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Wycliffe, John

JOHANNIS WYCLIF

TRACTATUS DE LOGICA.

NOW FIRST EDITED FROM THE VIENNA AND PRAGUE MSS.

(VIENNA 4352; UNIV. PRAG. V. E. 14.)

BY

MICHAEL HENRY DZIEWICKI.

VOL. I.

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INTRODUCTION.

I. The Manuscripts and the Edition.

In the summer of 1890, I travelled to Vienna, in order to finish the collation of *De Blaspemia*, which has since been published, and also to collate the MS. of *Logica*, of which I possessed a copy from the unique Vienna MS. 4523, ff. 1—16; also to copy out *Logicae Continuatio*, ff. 16—58, of the same MS. I had the MS. of Prague University V. E. 14. sent to the Imperial Library, Vienna, and began to collate *Logicae Continuatio*, of which I knew that it contained a part. I soon found that it must be considerably longer than the Vienna Codex, since Wyclif's *Logicae Continuatio* occupied from f. 1 to f. 176 of the Prague MS. I have lettered the Vienna and the Prague MSS., A and B respectively in the various readings. It will be seen that A, unique to the end of the first part of *Logica* (f. 58; p. 74 of the present work) is checked and often corrected by B as far as p. 176; and the rest of this volume is copied from A alone. 132 pages are consequently unchecked, the MS. A being so far unique; and unfortunately A, though perhaps in a more distinct handwriting, is the less correct of the two MSS. This may account for, and perhaps to a slight extent excuse some slips and errors of mine; while the abstruse nature of the subject may explain certain others.

A few words may be added as to my work in the Imperial Library of Vienna. I was sent to collate as many as possible of the Wyclif MSS.; but at the discovery of the 176 closely-written folios of *Logicae Continuatio*, I saw that it would be necessary to abandon the idea of any other work, if I wished to copy them out. I was even obliged to obtain leave to work during the six weeks' vacation,

when the Library is not open to the general public; but at last I succeeded in getting through the whole of the MS. It is needless to complain of the crabbed writing, which for illegibility surpasses anything I had yet seen, and equals anything I have seen since, even amongst the worst of the Prague MSS. This is a difficulty which all transcribers of Wyclif will by this time have learned to take as a matter of course. And yet it is but fair to point out that in difficult passages, such as abound in *Logica* from beginning to end, this very greatly increases the perplexity of the editor. More than once — and I might say, more than fifty times — I have been obliged to note down the abbreviations of the MS. with the unuttered reservation: Unless the sign stands for something quite different! A reservation that is by no means unjustifiable. When to the utmost slovenliness of rapid handwriting are added such stenographic contractions as 9sm for *consequens falsum* (!), it becomes the editor's duty to point out to the reader the real facts of the situation, and the doubts that necessarily beset the text on every side.¹

Both A and B are described in the works that have appeared. I may, however, insert here a more detailed description of B, which happens to be at hand; that of A, which I also made at the time I collated and copied from it, has unfortunately been mislaid.

A = MS. Univ. Prag. V. E. 14. Bound in wooden boards, covered with parchment. The whole of the MS. is of paper, enclosed at the beginning and end in two leaves of parchment. Before the first of these leaves, on the inner side of the first board, we find written in a modern hand: “^{1º} Joan. Viclephi de probandis propositionibus a folio 1^{mo} usque ad folium 32. — ^{2º} Eiusdem de Hypocrisi [sic!] a folio 33 usque ad folium 176. — ^{3º} Questio de creatione mundi et utrum Deus in Primo instanti temporis potuit producere a folio 117 usque ad folium 220.” ‘Hypocrisi’ is evidently a misreading for Hypotheticis.

The handwriting belongs to the end of the XIVth or the beginning of the XVth century; it is very much abbreviated and very illegible, especially towards the end. It seems to have been written in several different hands; one of them is very flourished and hard to decipher. It is

¹ See *De Ente Predicamentali*, Int. XXII.

stained with damp from f. 197 and very much stained after f. 203. There are very few side-notes. All through there are free spaces left for initial letters to be put in. Each page consists of one column only. — The first leaf after the parchment cover (marked f. 1, but not entering into the pagination of the Wyclif MS.) has a few rules of grammar written upon it.

I must not omit to acknowledge the cordial help which Drs. Rudolph Beer and Herzberg-Fränel gave me when in Vienna. I should undoubtedly be wanting in courtesy, if I forgot Herr Hofrath Ritter von Birk, the head Librarian, who kindly allowed me to work in the Imperial Library during the holidays. And on that account my sincere thanks are all the more due to the *causa causae* (as Schoolmen would have said) of that privilege — Sir Augustus B. Paget, Her Majesty's Ambassador in Vienna, whose influence fortunately prevailed.

As regards the edition itself, as well as the work of transcribing &c., Dr. Furnivall's energetic and friendly encouragements have all along been at hand. But above all, Mr. Matthew's suggestions and corrections, modestly and diffidently set forth though they were, have been of very great practical use to me, and I am very glad here to acknowledge at least a debt of gratitude that I shall never be able to repay.

II. Authenticity and date of the work.

There is not a shadow of doubt that this volume, as well as the two larger forthcoming ones, containing the third tractate of *Logicae Continuatio*, and now in the publisher's hands, is the genuine production of Wyclif. In the very earliest and almost contemporary catalogues of his writings, we find mention made of *Logica*. He himself mentions it, notably in *De Apostasia*,¹ where he alludes to his own doctrine of the so-called 'insolubles', very fully set forth in the third part of *Logica*; and he even uses the very words, *logica scripture*,² which he applies to the present work.³ But a still better proof is to be found in the unity of his doctrine with that of the

¹ *De Apostasia*, p. 34, l. 26 et seqq.
Also *De Benedicta Incarnatione*, pp. 12, 20.

² *De Apostasia*, p. 84, l. 22, 23.
³ *Logica*, p. 1.

other philosophical works not yet published, which I have repeatedly had occasion to collate. Of course, in each treatise there occur a good many sidetheories that are not to be found elsewhere; but wherever the same difficulty presents itself, it is solved in the other treatises where it crops up, by the same principles, and almost in the same words as in the present work. Allowing for the gradual development of Wyclif's doctrines, this striking unity is, I think, sufficient to complete the proof of the authenticity of *Logica*, and of all the other works that, having as much extrinsic evidence in their favour, are also able to stand this test. Take, for instance, the way in which our author, in the little summary of Logic with which the work begins, sets us from the outset on our guard against the 'suppositorial' syllogism.¹ Now, in almost every one of the other works, there occurs this very same great objection of Wyclif's adversaries, *answered on the very same lines*. "They said: According to you, the real Universal Man is identical with Peter; this same real Universal Man is identical with Paul: if so, then Peter is Paul". Wyclif replies here that 'hoc' (i. e. the Universal Man, who being real, may be pointed out by a demonstrative pronoun) has not the same supposition in the major premise as in the minor; and in *De Universalibus*, *De Tempore*, *De Ideis*, *De Materia et Forma*, and other works where the same objection recurs under various forms, the same answer is repeated with developments adapted to the subject-matter. Instances of the same sort might be almost indefinitely multiplied, but for the fact that no competent judge will, after reading the present volume through, hesitate for one instant to set it down to Wyclif.

As for the date of the work, that is — as is usual with most of our author's productions — quite another affair. Judging from his tone, certain hesitations here and there in the work, the somewhat diffident way in which he acknowledges that some ideas of his are not agreeable to the young students, his admission of annihilation as a hypothesis against which he makes no protest² here, but which he afterwards in the third part of *Logica*, denies as improbable, and in *De Universalibus*, as absolutely impossible, together with an example he gives (*Deus potest facere quod ego non sum nec*

¹ *Logica*, p. 37..

² *Si deus adnichilaret omnem creaturam*, p. 196, l. 36.

fui futurus quadragenarius in hoc instanti¹), would incline me to place *Logica* quite at the beginning of Wyclif's Oxford career, and consequently at about the same period as the *Questiones XIII* recently edited by Dr. Beer.² Dr. Buddensieg, who has debated the question of the period ad which Wyclif first denied the possibility of annihilation, would concur in placing the date of the work before 1362.³ Wyclif, if born in 1324, as is usually believed, was only 37 in 1361, and could, therefore, say with truth: 'Sum futurus quadragenarius in hoc instanti'; though, of course, this argument would have but little value by itself, and the uncertainty of the date of his birth tends yet more to diminish its value.

On the other hand, it is not generally supposed that Wyclif's system had even begun to develop into theological heterodoxy at such an early date; yet we find⁴ this proposition given as an example in the present volume: *Anticristus est Rome*; an example which, however insignificant by itself, becomes strikingly significative when viewed in connection with the writer's later opinions on the Pope and the Papacy. Again, we have⁵ as an instance of argument by analogy: 'Sicut vixerunt Apostoli in ecclesia primitiva, sic eciam tenentur episcopi vivere circa finem mundi.' This is the very doctrine that Wyclif was destined to maintain with such energy in his theological works; for of course, if poverty is a duty for bishops, it is still more so for the inferior priesthood. Moreover, towards the end of the third part (I believe in the last chapter, but am not able to quote the passage, the MS. being now in the printer's hands) Wyclif speaks of himself as an old man, 'senex', and not going to give up his opinions. I need not mention a date given in the last chapter of the same third part, as that of the very year at which he was then writing; for it is, so far as I can remember, 1383 or 1385! It is indeed possible that this great treatise was left unfinished until the last years of Wyclif's life; which would account both for the expression 'senex' and for the date; so we must not necessarily conclude that the number given is wrong. But it is much more likely that it may have been changed from 1361 (?) by the ignorant correction of a scribe writing in 1383. As to the allusion

¹ P. 169.

² See *De Ente Praedicamentali*, Int. XXII.

³ See Budden-

sieg, *Johann Wyclif und seine Zeit*, p. 180.

⁴ P. 69.

⁵ P. 35.

to Antichrist, and the doctrine of evangelical poverty, they may be set aside as mere coïncidences; but I prefer to think that the germs of the whole of Wyclif's system were already in his mind at the age of 37, if he wrote *Logica* then; and that he brought them forward sometimes (as here) tentatively and in the shape of examples, in order to accustom his disciples, over whom he already had some influence,¹ to follow in his wake.

Logica thus seems to me to be decidedly one of Wyclif's very first works. The appearances to the contrary may easily be explained; and besides the intrinsic and extrinsic proofs of its early date, we must remember the universal habit of Schoolmen. They always began, as it is indeed quite natural to begin, the whole course of philosophical studies and teaching, by a three years' course of Logic.

III. Contents of the work.

a) General Survey of the whole.

Logica is curious from more than one point of view. The modern logician will find himself completely at sea. Induction, the grand *cheval de bataille* of most writers on Logic at the present day, is dismissed (contemptuously, I might say, but that Wyclif had certainly not that feeling) in the short space of two lines and a half. Not quite without reason from his own point of view, which is also to some extent that of the editor. That the study of deductive Logic is of use to those who engage in abstruse metaphysical and ethical pursuits; that it is far from useless even in politics and debate, can hardly be called in question by any man of average intelligence. But, if we ask whether any scientific investigator ever prepared himself for his career by a careful study of the intricate rules of Induction, or found himself better enabled to discover the laws of Nature by their aid, the answer will at the best be very doubtful indeed. As a fact, the rules of Induction, cleverly formulated as they may be, are scarcely more than mere curiosities in themselves, and are based upon long deductive processes. Given two men, both equally intelligent, equally inclined to study natural Science,

¹ Malo me et meos sequaces . . . preterire, p. 152, l. 30 . . . Relinquo iuvenibus partem plus consonam sustinendam, p. 195, l. 28, 29.

and equally ignorant of the laws of Induction, but, one versed in deductive Logic, and the other not: most assuredly the logician would far surpass the other. Could we say the same in a parallel case, supposing the only difference between the two men were to be the knowledge of the laws of Induction? That the old Scholastics made little or no progress in scientific discovery proves nothing; Aristotle, the greatest of logicians, was no less great in the sciences of observation and experiment. They did not care for those fields of knowledge; others, to them far more important, absorbed their attention: that accounts for all. But the proof that this view of Induction is the right one would be foreign to the scope of the present Introduction. Wyclif thought as all Schoolmen thought at that time, and there are reasons to believe that they were, and that he was, right.

The plan of Wyclif's *Logica*, however, may seem strange even to those acquainted with the works of Scholastics. They generally proceed from the more simple to the more complex. First of all, terms are dealt with; then propositions, which are but terms combined together by an affirmative or negative copula; then argument, which is made up of propositions; and lastly knowledge, or rather science (*scientia*), usually the result of a series of arguments. Wyclif, in the short abstract with which the work begins, says indeed a good deal about terms and proposition, but dismisses argument in three pages (p. 35—38) and says little enough about knowledge, except in so far as propositions, containing the idea of knowledge (doubt, &c.), form a separate class. He then, at p. 75, sets about the three treatises that together form *Logicae Continuatio*. The first (75—121) deals with propositions that are purely categorical affirmations or negations, without any expressed idea to modify them. The second (from p. 121 to the end of this volume) has to do with propositions in which the negation or affirmation is more or less modified, though it still remains to some degree categorical. The third deals at great length with the seven forms of hypothetical propositions; it contains an amount of matter about three times as great as this publication, and will fill two more large volumes. Setting aside then the first 74 pages, which were no doubt written as a convenient manual for beginners, Wyclif's *Logica* might be entitled: '*Of the various*

*sorts of propositions, and especially of those called hypothetical?*¹ He himself points out that the third treatise goes more into the questions connected with hypothetical propositions than the work of any other logician before him.¹

It may be asked why the plan of Wyclif so completely leaves out argumentation and syllogisms, when these formed so vital a part of the old Scholastic system. The answer is obvious: they were not required. His ‘manual for beginners’ — as I may call the first pages — contains, very concisely and briefly, it is true, all that was absolutely requisite. But the rest of the work is not addressed to beginners, but to men who were perfectly at home in all the figures and moods of syllogisms, and only wanted to see their way to take a Realistic view of Logic, then very much obscured by the objections which the prevailing Nominalism had piled up on all sides. Wyclif’s work was written to supply a want, and not to repeat what everybody knew.

I cannot even help fancying, as I said above, that from the beginning Wyclif had some vague idea of reacting, not only against Nominalism, but also against many theological doctrines then in vogue. He wanted to form a band of devoted followers among the students in the schools of Oxford; and we find on the very first page of his work the motto of all his later controversies and conflicts; the motto which gained for him amongst his disciples the title of *Doctor Evangelicus*. The work he composed is, he declares in the Proemium, the *Logic of Holy Writ*. From the beginning of his career (if *Logica* is, as I believe, one of his first works) he raises his standard with a determined hand, and no doubt, as we may infer from the tone of the Proemium, expects many zealous followers to crowd round it. We shall not be far wrong then, I think, if we consider *Logica* as but the first commencement of a concerted movement, partly instinctive perhaps, but not blindly so; cognizant of the road taken, though not of the goal to which it would lead; and recognizing as the rule, both of faith and of right reasoning, the Holy Scriptures above all things.

We must not, however, imagine that Wyclif keeps strictly all through to what we should call the proper field of Logic. Perhaps

¹ Tercius . . . declarat diffusius priorum logicorum sententiis, p. 75.

no writer is so much given to digressions as he. In the first, and still more in the second tractate of *Logicae Continuatio*, they begin to appear; though he probably was of opinion that, writing of the Infinite, he was only dealing with the effect which that term has upon the proposition into which it is brought. But to deal with that effect, the *meaning* of the word, i. e. the thing itself, has to be considered; and thus, treating of *otherness* and *difference*, of *beginning* and *ending*, &c., he manages to put a great deal of Metaphysic into his Logic. He goes still further in the third Tractate; questions of political economy, of optics, of anatomy, of astronomy, and what not, are discussed in connection with the different hypothetical propositions.

In this respect, Wyclif's *Logica* differs immensely from the work of Occam that bears the same name. There, all is in strict order; the book is divided, subdivided and re-subdivided, until we get to each individual proposition forming a link in the long and massive chain formed by the great Nominalist: the proposition is posited and demonstrated; each objection against it is in turn propounded and solved. Yet Wyclif is far more interesting, even when we must admit that his digressions go beyond all bounds; without Occam's affectation of mathematical order, Wyclif has as much of the true philosophical spirit as he: as for subtlety and originality of views, he perhaps has more.

b) Detailed Examination of each part.

We may now proceed to examine the whole of the preliminary abstract and of the two first treatises, chapter by chapter. With regard to the abstract, and also more or less to the rest, it will be useless to go into details. The abstract of an abstract, if intelligible at all, would be hardly readable; and to explain every difficulty at length would be to write a treatise, not an Introduction. I shall, therefore, confine myself to noting the general plan on which Wyclif proceeds; stopping to give explanations, so far as I am able to give any (which unfortunately I cannot always do) whenever anything particularly important and hard of understanding occurs.

Preface (p. 1). "This work is to be the logic of Holy Writ. Many who had begun to learn Logic, in order to know God's law

better, have been disgusted with it, on account of its heathenish technical expressions. So I propose to give proofs of propositions that shall be taken from Scripture. After the study of terms and their properties, of universals and categories, I shall take up propositions, the various descriptions of argument, and lastly examine the subject of knowledge."

We may here notice by-the-by, that the last promised head is nowhere to be found in this abstract; nor indeed is anything corresponding to it met with anywhere else. If we remark that the last example given,¹ concerning the logical exercise called obligation, breaks off suddenly without any solution of the difficulty, we may infer that possibly there is here something wanting; perhaps more than a whole chapter. There is, however, only one blank line on the MS. A between the last words of the Abstract, *quam Petrus*, and the first ones of the Continuatio: *Juvenum rogatibus*.

Chap. I (p. 2—8) deals with *Terms*, and contains a full but concise summary of their different classifications and subclassifications. We may say a word about resolute, exponeble and official terms, as they frequently occur further on; and also about terms of the first and second intention and imposition, as these expressions are very little used at the present day, and liable to be confusing. In 'A man is mortal', *man* is a resolute term, because it can be analyzed into its singulars: the man A is mortal; the man B ditto; and so on. In 'Man alone is rational', *alone* is an exponeble term, because its sense can be expounded in two propositions, 'Man is rational', and 'What is not man is not rational'. An official term in a proposition posits that proposition as an act of the mind or will: as 'I know that I exist'; i. e. 'The proposition, *I exist*, is known by me'. As it was believed that the first intention or act of the mind concerns the objects themselves, without any reflection upon their universality or particularity, all such objects belong to the *first* intention, as: God, angel, man, etc.; while the reflection upon the degree of universality or particularity of these objects constitutes the *second* intention; as when we say: *Man* is a species, *Angel* is a genus, *this man*, *that angel* are individual beings. Here *species*,

¹ P. 74.

genus, individual, are of the second intention; and so also are *man, angel*, in so far as they are here considered as universal or singular. — Terms of the first or second *imposition* differ in so far as the first have some ‘*raison d’être*’ in their objects themselves, and the second are merely imposed by the developement of human language. They are, in short, mere grammatical expressions. Thus: *man*, in *Man is mortal*, is a term of the first intention and imposition; in *Man is a species*, it is a term of the second intention but the first, imposition; and in *Man is a substantive*, it becomes a term of the second imposition.

Chap. II. *Of Universals* (p. 8—11). There are, says Wyclif, three sorts of universal things: things that *cause* universally, as God; things that *communicate themselves* universally, as *humanity* to each individual man; and things that *represent* universally, as all *general terms*, written or uttered. Logic has to do with the last class only, of which there is a five-fold division, famous under the name of Predicables. First, the *Genus*, which answers the question *What?* for many species. — Second, the *Species*, that answers the question *What?* for many individuals. — Third, the *Difference*, answering the question *How?* and separating one species from all others. Man is an animated being; that is the genus. How is he animated so as to distinguish him from all others? By rationality. Rationality, present in man, absent in all others, is the species-making or *specific difference*. — Fourth, the *Property* (*proprium*) or characteristic, is a mark by which alone we can distinguish a species; for it extends as far as the specific difference itself. Wyclif gives *laughter* as the characteristic of man; which might be objected to, since men deprived of reason ought to have the faculty of laughing also taken away: whereas such is not the case. But it is enough to have pointed out what the ‘*proprium*’ means. — Fifth and last, the *Accident*. This is defined as a mere happening, a phenomenon that is not always present in the same subject; or, if always, that may be present in others as well.

The note on Identity, which ends the chapter, is instructive. All things, God and His creatures, says Wyclif, are identical analogically.¹

¹ . . . et sic omnia sunt idem in entitate, p. 10.

Here I must point out the difference between Wyclif's system and that of more moderate Realists. But I shall ask to be believed provisionally, because the essence of his doctrine is not sufficiently set forth in this volume to help the reader by references to any particular place where it is to be found, and it would be too long to quote extracts from his hitherto unpublished works. Moderate Realists would admit analogical identity; but they would maintain that, being analogical, it is not real, except in the mind of the subject who thinks of it, with some sort of foundation in the nature of things. But Wyclif goes further. God is not the creature; and yet He is identical with the creature, in so far as mere 'being' goes. God is Being; the creature is also a being; and to that extent they are identical. But Being is only *that which* is God, as it is only *that which* is the creature. Now, it is impossible logically to conclude that if *that which* is A is *that which* is B, then A is B, because in the conclusion, *that which*, concreted in A, has no longer the same meaning as *that which*, concreted in B. This is the substance of Wyclif's reply to the objection that accuses him of identifying God with His creature, making substance to be accident, *et quodlibet quidlibet*. He makes a very strong point of the mystery of the Trinity, in which *that which* is the Father (*viz.* God) is *that which* is the Son; yet the Father is not the Son. But perhaps his point of view will be clearer to the reader, if we take a less mysterious instance. Glass is *that which* is *hard*; hardness is a real quality; it is also *that which* is transparent, and transparency is also a real quality. And yet hardness is not transparency.

The second degree is generic identity, which obtains between two species. Men and beasts are really identical in substantiality. The third is specific identity, between two individuals. Socrates and Plato are really identical in humanity. And the fourth degree is numerical identity, which exists between the various parts of one and the same being. Memory, for instance, reason and will are different, but numerically identical in each individual soul. And to all the objections urged against this real identity, Wyclif replies by considering Universal Being, or Substance, or Humanity, or an individual soul, as a real subject, *that which* possesses the attributes that come under its extension. Deity and 'createdness' in one case;

humanity and brute nature in the other; in the third — if I may be allowed to use such terms — Socrateity and Platoneity ; and in the last, the memory, the reason, and the will. And he stoutly maintains all through that to admit as valid the objection already noticed would necessarily bring us to deny the Trinity, Christ's Incarnation, and even all human science.

Chap. III. *Of Categories* (p. 11, 12). Being is divided into ten categories: substance, quantity, quality, relation, action, passion, locality, time, position and belonging. Wyclif continues here to deal with the Universals; but these categories, or predicaments, have objective existence, and come under the 'first intention' of the mind; whilst the former class (predicables) exist in thought alone, and belong to the second intention: a genus, a species, &c. does not exist by itself as a substance does.

Wyclif, with all the Scholastics, follows Aristotle closely ; but as Aristotle has been ridiculed for his enumeration of categories, which J. S. Mill says "is like a division of animals into men, quadrupeds, horses, asses, and ponies",¹ I may perhaps be allowed to give a justification of its adequacy that I remember to have read in Father Liberatore's *Logica*; though, not having the work by me, I do not want to render the author responsible for any shortcomings of my own. Whether Aristotle understood his own classification in the same light, matters little; but so determined a Thomist as Father Liberatore is surely entitled to speak for the Schoolmen on this point.

All Being is either a subject of attributes, or one of the attributes themselves. In the former case, it is *Substance*. In the latter, the attribute's existence is either in itself or in other beings. If in itself, and at the same time it gives its subjects intensive parts or degrees, either of entity or of imperfection, it is called *Quality*. If the subject receives from it only extensive parts, which differ from quality by being mutually exclusive, each one outside of the other (*partes extra partes*) we have *Quantity*. If the attribute only exists in (or for) other beings (*ad aliud, πρός τι*) it either indicates a change or a fixed state. If a change, we have the two corresponding,

¹ Logic, Book I, ch. 3, § 1.

but mutually exclusive categories of *Action* and *Passion*, answering to that *by* which the change is produced, and to the change itself as produced. If a fixed state, it either abstracts from space and time, and is then called *Relation*; or from space alone, and then takes the name of *Quandality* (*quando*, time) or from time alone, or from neither. If it abstracts from time alone and not from space, it either relates only to a certain part of space, and is *Locality*; or it refers to other bodies existing in space, and in that connection is called *Position*. If the attribute includes both space and time, it is a mere extrinsical denomination, and no name can be found for it but *Belonging*. Thus, in the idea of an armed man, the attribute of *defence* exists not in itself, but in the man and in the arms; it is a state that requires certain conditions to be complied with. The man must at a given *time* have a certain fixed *spatial* relation of proximity with his arms. And thus we see the whole of the categories accounted for, mutually exclusive, and together inclusive of all that can bear the name of Being.

Whether Aristotle understood the completeness of his own categories, we need not examine. He indeed does not enter into any proof that they are complete. But of all men Aristotle is the most given to putting into practice the maxim: *Intelligenti pauca*. He writes neither for cavillers nor for fools, but for quick-witted disciples.

Chap. IV. *The First Principle* (p. 13). In each predicament there is one first principle of all. We may pass over the enumeration of those first principles, except those of locality and time. The mathematical point, says Wyclif, is the first principle of the former; the indivisible instant, that of the latter. This by itself may be understood in a manner that has nothing original; but he goes on to say that the whole world is made up of points, and time likewise of indivisible instants. ‘*Totus situs mundi componitur ex sitibus punctalibus . . . Sicut mundus componitur ex punctalibus, sic tempus componitur ex instantibus.*’ What is more, as we shall see in another volume of this work, the points are ‘immediata’, i. e. touch one another, and the instants follow one another directly; yet, though the former have no size, they make up lines, surfaces and volumes by their contact; and though the latter have no duration whatever, they

produce duration by their successive existence. Mathematicians protest; but mathematicians are ruled out of court in a metaphysical disquisition. More of this, however, is to come in its time and place.

Chap. V. *Of Propositions* (p. 14—18). They are defined as grammatical (*congrua*) forms of speech, that are indicative, have a false or true signification, and can be perfectly understood. There is the natural signification of propositions, by which any proposition means its own existence. *God exists* in its natural signification means nothing but: *This is a proposition: God exists.* But in its artificial signification, it means: *The proposition: God exists, is true.*

In the five-fold division of propositions into mental, vocal, written, real, and true, the real proposition alone calls for comment. Any individual being forms, according to Wyclif, if I mistake not, a proposition of a peculiar sort. The person (or concrete being) is the subject;¹ his essence is the copula or affirmation;² so that in the place of subject, verb, and predicate, we have respectively the person of this or that individual man, his individual essence or entity, and his universal (?) human nature. I do not see any other explanation of the text, though the distinction between *essencia istius hominis* and *sua natura* is not clear. It has been suggested by Mr. Matthew that Wyclif considers the words, *iste homo, iste lapis* (l. 12) as equivalent to propositions, though they only name singular objects, because their universal is understood.³ The explanation did not seem to me to account sufficiently for the expressions employed; but I wish the students of Wyclif not to lose the benefit of Mr. Matthew's suggestion.

The division of propositions continues. Some are hypothetical, some categorical; the latter class has one subject, one predicate, and one principal copula (for a proposition may be categorical that has more than one copula, if one of the two depends on the other). Categorical propositions differ in *quality*, being either affirmative or nega-

¹ Est dare istam personam . . . que est tanquam subiectum. P. 15, l. 15, 16

² . . . Que est realis copula, copulans istam hominem cum sua nature. *Ib.* l. 19, 20.

³ In ista proposicione reali, *iste homo* est realiter et essencialiter natura humana. *Ib.* l. 22.

tive; or in *quantity*, being either universal, designated by *omnis* or *nullus*, as the case may be; or particular, when they are designated by *aliquis*; or indefinite, when preceded by no sign at all; or lastly, singular, preceded (when the subject is not a proper noun) by a demonstrative pronoun.

Chap. VI. *Of Opposites* (p. 18—22). This concerns the opposition possible in different propositions having the same terms as subject and predicate, and differing only in quality, quantity, or both. There is nothing new in this chapter, and the ‘square of opposition’, given in the diagram on p. 18, is well-known even to modern logicians. Prof. Bain especially¹ has a fuller explanation of opposition than our author, who devotes less than four pages to it. What Prof. Bain objects to most, is the use of ‘contradictory’ by Schoolmen to denote a less considerable opposition than the term ‘contrary’. This, however, is a mere question of words; and if Wyclif were now living, he might have said that contradictories (such as ‘Every A is B’, ‘Some A is not B’) seem to be less opposed than contraries (‘Every A is B’, ‘No A is B’); but they are really more so. For the former differ both in quality and in quantity; and it is impossible, so great is their difference, to class both of them either among true or among false propositions.

We may, therefore, pass over this chapter, merely noting down the laws stated by Wyclif and all other logicians: (1.) *Contraries*.² Both cannot be true, but there are cases³ when both may be false. (2.) *Subcontraries*⁴ may be both true and both false (‘Some A is B,’ ‘Some A is not B’). (3.) *Contradicities*. Neither can both be false nor both true. (4.) *Subalternates*. If the universal proposition be true, its particular will be so too; but not *vice versa*. Wyclif omits to add: If the less universal be false, the more universal will be so; but not *vice versa* (‘Every A is B’; ‘some A is B’).

The chapter closes with a few remarks on the predication of the ‘three adjacents’. If a proposition is in three or more words, it predicates the third adjacent, as: ‘Man is mortal’. If in two, as: ‘Man is’, it predicates the second adjacent; the predicate ‘existing’.

¹ Logic, Part. I. pp. 92 et seq.
P. 19, l. 35.

² P. 18, l. 5.

³ P. 19, l. 25

or ‘being’, is understood. And the first adjacent is predicated by a proposition in *one* word, as ‘Sum’, ‘scribit’, &c.

Chap. VII. *Of Equipollence* (p. 22, 23). It is the process of changing the form of a proposition so as to keep the sense unchanged. This evidently depends upon the doctrine of opposition. If ‘some A is B’, then ‘not every A is not B’. If ‘every A is not B’, then ‘no A is B’. If ‘some A is not B’, then ‘not every A is B’. And so on.

Chap. VIII. (p. 24—29) may be passed over in few words; for it deals with those modal propositions which are *necessary* or *impossible*, and gives different significations of those two words, which significations are repeated on p. 156 and the following ones, with many details. What has to be said of them will be said better at that place. The chapter ends with a remark that might seem startling. He says¹ that any attribute of God which is not essential might, absolutely speaking, be wanting. At first sight some might think that everything is essential in God, since He is immutable. But Wyclif is thinking of God as v. g. Creator, Judge, Saviour, &c. all of which attributes would be wanting if there had never been any creature in existence; and, therefore, he calls them, with doubtful propriety, non-essential attributes. I say, ‘with doubtful propriety’, because the words ‘non essencialiter inest’, seem to indicate that something may exist in God after the manner of an accident that comes and goes, thus implying change: which was certainly not Wyclif’s opinion.

Chap. IX. *Of Hypothetical Propositions* (p. 29—33). Two or more propositions, united together by a particle, are called hypothetical; though more than one, their principal idea is one, and depends on the relation between each of the propositions and the particle. Their specific difference thus depends on the particle itself; and as there are *seven* (and, or, if, because, more than, where, when) there are also seven sorts of hypothetical propositions: the *copulative*, the *disjunctive*, the *conditional*, the *causal*, the *comparative*, the *local*, and the *temporal*. But, as Wyclif himself admits (though he sustains elsewhere² that the number of their species is neither more nor less

¹ P. 28.

² P. 7 of the Third Tractate, of which I have just seen the first proofs.

than seven) the comparative hypothetical¹ often differs from a categorical merely in form; ‘A is more B than C is’ comes to just the same as ‘A is more B than C’. And I believe that all such hypotheticals may be turned into categoricals with but little difficulty.

Coming to the local and temporal propositions, Wyclif propounds a theory which is true, and which yet might easily open a vast field for sophistical juggles. What is meant by *where*, and what by *when*? The general meaning implies co-existence in a certain restricted part of space or time. ‘He is where I am’; i. e. in London. ‘Napoleon I. and Cetewayo lived at the same epoch’, i. e. during the XIXth century. But in the strictest sense, there should be exact co-existence in the very same part of space or time. Now two persons cannot thus co-exist in space, nor perhaps in time. On the other hand, in the widest possible sense, *where* refers to the whole of infinite space; *when* to the whole of infinite duration, or eternity. In this sense (to take Wyclif’s examples) it is true to say ‘*The sun is where the moon is*’, both being in the same universe; and ‘*I existed when my mother was as yet a virgin, and when Adam was in Paradise*’; these three facts co-existing in the same lapse of eternal duration.

Chap. X. *Of Conversion* (p. 33, 34), This is putting the subject into the place of the predicate, and *vice versa*. Universal negatives and particular affirmatives may be converted *simply*, by a mere change of place. ‘No A is B . . . No B is A’. ‘Some A is B . . . some A is B’. — Universal affirmatives and negatives are converted *by accident*, that is, by changing the proposition into a particular one. ‘Every A is B . . . some B is A’. ‘No A is B . . . some B is not A’. — The universal affirmative may also be converted by counter-position, keeping the same quality and quantity, and prefixing the negation *not* to both subject and predicate. ‘Every A is B . . . Every not-B is a not-A’. — And according to scholastic logicians, even at the present time, the particular negative *cannot be otherwise converted*: ‘Some A is not B . . . Some not-B is not not-A’. In a foot-note I have suggested a simpler process and a less crabbed form of expressing the result. When I wrote it, I had not noticed that

¹ P. 30.

Prof. Bain gives the very same process: *first*, what he calls obversion, and *second*, simple conversion.¹ Wyclif remarks very truly that there is more difficulty about the conversion of terms that include the past and the future. He recommends changing the verb *fuit* into *est vel fuit*; *erit* into *est vel erit*; with what success, the reader may see in the text and foot-note. I think that in every case it is enough to analyze the verb in the past or future into a present verb with a past or future participle; and then proceed as before.

Chap. XI. *Of Argument* (p. 35—38). Much has already been said in the general survey, of Wyclif's curt manner of dealing with this part of his subject. We need not return to it, unless to point out more fully than before, what the 'expositorial' syllogism is. It is a syllogism in which the middle term, instead of being universal, is singular; which amounts to the same, as: 'This person is Victoria; this same person is Queen of England; therefore, Victoria is Queen of England'. We have given an instance in the third figure, in which it was much employed, says Wyclif.² But he denies its power, when applied to a Universal reality. 'This real thing (meaning the Universal Man) is Peter; this same real thing is Paul ∴ Peter is Paul.'

Chap. XII. *Of Supposition* (p. 38—43). This is a point which is pretty nearly unknown, at least by name, to modern logicians, and so far as I am aware, in substance also. Scholastic authors generally deal with it immediately before Opposition, Equipollence, Conversion and Argument, as it helps to elucidate those processes, giving the reason why, for instance, the universal negative can be converted simply (see above) and not the universal affirmative. We must explain this chapter in some detail, both because the chapter is little known, and because it is important for the sequel; whereas the short notice given by Wyclif is quite inadequate, at least for us.

Supposition is here defined as the signification of one categorical extremity of a proposition (subject or predicate) compared with the other. The usual definition of the School is perhaps clearer, and serves to explain the former: Supposition is the use of a term for anything whatever. So long as a term stands alone, it

¹ See Bain's Logic, First Part, p. 115, 116.

² Maxime usitatus, p. 37.

has no meaning nor supposition; it only has one when used, and consequently when forming part of a proposition. It may be *improper* when one term is used for another, as in figurative speech: I have drunk a *cup of wine*. If the supposition is proper, it may be *material*, when the term stands for itself: ‘*Ass* is a word of three letters’; or *formal* when it stands for the meaning of the term. If formal, it may be abstract (*simplex*) standing for the Universal which it represents: ‘*Man* can be predicated of every individual of the species’; or *personal* (*personalis*) standing for one or more of the objects that belong to the abstract notion. If for one only in particular, it is called *singular*; if for more, it is *common*. In the latter case, it may stand for many together, and is called *collective*, or for many separately; it is then universal, and becomes — according as the affirmation or the negation to *all* of those many, or to some one or other that cannot be pointed out — either distributive or indefinite (*confusa tantum*).¹ But the words *confusa tantum* may be understood in two senses, which other Schoolmen (I know not if earlier or later than Wyclif) distinguished thus. In one sense, the term in question is affirmed only of a certain number of objects, which are not known, but which exclude all others from the affirmation of that term. Thus: ‘Some men are white’. If a certain number only of given men are white, the rest cannot be so. This is properly called *Indefinite* supposition. But if we say: ‘Some craft is necessary for seafaring,’ the term ‘necessary for seafaring’ is affirmed equally well of one ship as of another. This supposition alone receives properly the name of *Confused*.

Thus there are four sorts of personal supposition: *distributive*, *collective*, *indefinite*, and *confused*. But as the words *confusa tantum* will occur very frequently throughout this work, I must remark that though in the side-notes I have made them generally bear the meaning of *indefinite*, they are rarely tantamount to the present sense of *Confused*.

Corresponding to this fourfold division of personal supposition, there is a fourfold analytical descent from a general proposition to its singulars. Wyclif does not mention it, though, all along there are

¹ See p. 39, l. 33.

allusions¹ to something very like it. It is necessary to say something of this.

(1.) A proposition the supposition of whose subject is *distributive* (All men are mortal) is analyzed into its component parts by enumerating each of the singulars, *repeating the verb and predicate after each*, and joining each of the propositions by *and*. This is called the *copulative* descent. *Ex:* The man A is mortal, *and* the man B is mortal, *and* the man Z is mortal . . . *All men are mortal.* The whole of the component propositions together make up the universal one.

(2.) A proposition the supposition of whose subject is collective (all the Apostles are twelve) is analyzed to some extent into its singulars by enumerating each singular that makes up the subject, *adding the verb and predicate once only*, when the enumeration is ended, having previously joined each singular term by *and*. This is called the *copulate* descent. *Ex:* Peter, *and* James, *and* Matthew . . . and Judas Iscariot are twelve . . . *All the Apostles are twelve.* It is seen that there is in reality but one proposition here: analysis only separates the singular parts of the subject.

(3.) A proposition the supposition of whose subject is *indefinite* (Some men are slaves) is analyzed into its singulars by enumerating all of them, *adding the verb and predicate after each*, and joining every one of these new propositions by *or*. This is called the *disjunctive* descent. *Ex:* Either the man A is a slave, *or* the man B is a slave, *or* *or* the man Z is a slave . . . *Some men are slaves.* The whole of the singular propositions together make up the particular one.

(4.) A proposition the supposition of whose subject is confused (Some craft is necessary for seafaring) is to some extent analyzed into its singulars by enumerating all the singulars of its subject, and *adding the verb and predicate at the close of the enumeration*, having previously joined each of the singulars by *or*. This is called *disjunct* descent. *Ex:* The craft A, *or* the craft B, *or* the craft C . . . *or* the craft Z is necessary for seafaring . . . *Some craft is necessary*

¹ See p. 37 in particular, and the examples of exposition all through the work.

for seafaring. It is plain that there is in reality but one proposition here; analysis separates only the singular parts of the subject.

With this full explanation in our minds, we may now examine the note¹ with which this chapter closes. In every universal affirmative, the subject has distributive supposition; if it had not, it would be collective; but the predicate is not distributive; it may be *indefinite*, as in ‘Every man is (some) mortal’; for we have by accidental conversion, ‘Some mortal is a man’, which gives, by disjunctive descent: The mortal A is a man, or the mortal B is a man or the mortal Z is a man . . . Some mortal is a man; Or *confused*, as in ‘Every vessel necessary to seafaring is a craft’. Here the proposition is merely the example given above, converted and rendered universal; by converting it back again, we see that it requires the disjunct analysis. In the universal negative, both subject and predicate have distributive suppositions. In the particular affirmative, both have indefinite suppositions. This is evident, notwithstanding that the text ‘determinate’² contradicts it flatly. While this part of the work was in proof, I did not see my way to correct it by prefixing *in* to *determinate*; but now I think the expression is merely a mistake of the copyist. — In the case of the particular negative, the subject has indefinite, the predicate, distributive supposition.

Chap. XIII. *Of Consequence* (p. 42—49). Consequence is to be distinguished from the *consequent*, or conclusion of an argument; it may be styled ‘the power of an argument to conclude’. Wyclif’s definition seems less clear: ‘a relation between antecedent and consequent expressed by the conclusive particle (*ergo*)’. Though I am doubtful whether *expressed by* renders the Latin *cum*.

The chapter lays down 22 rules for judging whether an argument is conclusive or not. (1.) When the conclusion is formally understood in the antecedent, the consequence is good. (2.) It is also good when, by contradicting the conclusion, we contradict the antecedent, or (3.) get a proposition that is incompatible with it. (4.) The antecedent of the antecedent is the antecedent of the consequent. (5.) When, in a chain of antecedents and consequents, each

¹ P. 40, 41.

² P. 42, l. 11, 13, 17.

particular consequence is good and each consequent really the antecedent of the next argument, the consequence of the whole is good. (6.) From a universal proposition to its subalternate, (7.) from a particular to its corresponding indefinite, and (8.) from the general to the particular, the consequence is legitimate. (9.) Truth may follow from falsehood, and (10.) the necessary from the contingent, but not *vice versa* in either case. (11.) A universal negative implies its corresponding singular proposition. (12.) A superior proposition implies its inferior; but there are different, and even opposed, sorts of superiority and inferiority. (13.) We cannot at once conclude from the inferior to its superior. There are five sorts of fallacies that occur in such conclusions. (14.) A more general conclusion does not imply a less general one, unless the sign *all* be prefixed; (15.) but then it does; also when implicitly or explicitly negative. (16.) When an argument from an inferior supposition to its superior is good, and the consequent universal, the antecedent is so too. (17.) To deny the conclusion, admitting one premise of a regular syllogism, is to deny the other premise. (18.) Of one of two contradictory terms anything may predicated; but nothing of both together. (19.) A proposition being true, it remains true if its verb be put in the infinitive. (20.) From an affirmative proposition with a negative predicate (*A* is not-*B*) to the same proposition with the negation transferred to the verb (*A* is not *B*), the consequence is good; but only for the present of the verb *to be*. (21.) *A* is not *B* and *A* is ∴ *A* is not-*B*, is a true conclusion. (22.) From an affirmative proposition with a privative predicate (*unjust*, *unwilling*, &c.) to a negative with a corresponding positive predicate, the consequence is good.

Chap. XIV. *Of Exclusive propositions* (p. 49—53). We may leave aside the rules of exposition relative to them, because they come again in Logicae Continuatio.¹ The other rules are: If only *A* is *B*, every *B* is *A*. If only *A* is *B*, then *A* is *B*, no not-*A* is *B*, and no *B* is not-*A*. If only *A* is *B*, both its exponents must be true; if either of its exponents are false, the proposition is not true. From the truth of the exclusion itself, we cannot argue the truth of a negative proposition, *minus* the exclusive particle; but the reverse

¹ P. 128.

of that process is right. Not only men are mortal . . . no men are mortal. No man is a plant . . . not only men are plants. — We may notice here that *not* should be taken as modifying the whole proposition, not the adverb *only*; thus signifying: It is *not* true that *only*

Chap. XV. *Of Exceptive Propositions* (p. 53—56). The same observation as before applies to the present chapter. Three rules besides those of exposition are given. (1.) Any exceptive proposition (Every A but B is C) is incompatible with its prejacent (Every A is C). (2.) From an exceptive affirmative proposition we may conclude a negative (*exceptivam negativam* in the text; but this does not agree with the examples); and from a negative exceptive, an affirmative: ‘Every A but B is C . . . B is not C. No A but B is C . . . B is C’. (3.) Any proposition may be true by making it except all that it does not truly include.

Chap. XVI. *Of Copulative Propositions* (p. 56—57). This chapter and the following one seem to be slightly out of their place. Copulative and disjunctive propositions, being hypothetical, belong to the Third Tractate; and the author has not yet terminated his summary of categorical propositions, that are dealt with at length in the First and Second Tractate. The rules given are: (1.) If one part of a copulative (A is B and C is D) is false, so is the whole proposition, unless it be negative, with *not* prefixed to the whole. (2.) If the whole be true, each part is true. (3.) From one part of a copulative to the whole, we have a false inference, unless the second inferred part be implied by the other. (4.) The contradictory to a copulative is a disjunctive made out of the contradictories to each part: ‘A is B and C is D: either A is not B or C is not D.’

Chap. XVII. *Of Disjunctive Propositions* (p. 58, 59). Rules: (1.) If we admit a disjunctive: ‘Either A is B or C is D’, and deny one part: ‘C is D’, we have the true inference: ‘A is B’. (2.) We cannot generally thus infer one part unless we deny the other; there are exceptions nevertheless. (3.) The contradictory to a disjunctive is a copulative made of the contradictories to each part: ‘Either A is B or C is D: A is not B and C is not D.’

Very little is to be said of Chaps. XVIII, XIX and XX (60—67). Chap. XVIII shows how to expound propositions and take their

contradicteries; all which is more fully explained in different parts of *Logicae Continuatio*. Chap. XIX has a few remarks about difference and ‘otherness’, to be developed later.¹ Chap. XX deals shortly with ‘beginning’, ‘ending’, and comparative propositions; all this is completely developed hereafter.²

Chap. XXI. *Of ‘Official’ Terms*. They have been already defined as expressing an act of the mind or will on the abstract meaning of the proposition that contains them. There are elsewhere³ further developments about the sense of *scire*, *dubitare*, &c.; but nothing, as I said before, that can properly be construed as ‘materia de *scire*’, that was promised us in the Proemium. — To expound this proposition: ‘I know that God exists’, we must develop it thus: ‘This proposition, *God exists*, whose primary signification is the affirmation of God’s existence, is known to me.’ We must in like manner expound similar propositions, such as: I understand . . . it is true . . . it is false, &c. The reason of this roundabout way of developing them is probably the requirements of argumentation. Suppose, for instance, that in a public dispute this point had been proved: ‘All men know that God exists’; the opponent might perhaps protest, if the defender suddenly jumped from this conclusion to the other. ‘God exists’. But by analysing the proposition, and pointing out that ‘what is known is true’, and that consequently God exists, one can easily get out of this verbal difficulty. In their public ‘disputationes’, the Scholastics used to be particularly severe about all arguments being in strict, nay, in ultrastrict form. ‘Aliquis homo est mulier’ would have been attacked as implying self-contradiction, *aliquis* meaning only the masculine sex.⁴

Chap. XXII. *Of Obligation* (p. 69–75). This is a curious exercise about which I have not been able to gather anything in modern works, even of Scholastic logic, nor indeed in any that I have read. Possibly it was a transient fashion in Oxford at that time. It certainly served a good deal towards sharpening the wits, and must have been used mainly for that purpose alone; for it is of little

¹ P. 121–128. ² P. 191–203; p. 217–229. ³ P. 177. ⁴ See p. 88, l. 21–25. On the other hand, see p. 93, l. 30–36, where Wyclif seems to part company with such grammatical exaggerations of strictness.

value besides; whereas it was generally admitted that by regular argumentation, still in use now-a-days in many Catholic seminaries, it was possible to arrive at the truth. In the latter exercise, one proposition out of the theses publicly sustained by the defender was selected to be attacked. The opponent affirmed the contrary or the contradictory, and proved his affirmation in *one single syllogism*; more were not allowed. The defender, having denied or distinguished whichever of the opponent's premises he thought fit, the opponent had to prove (again in one single syllogism) the proposition denied, or denied as distinguished; of course not overlooking the distinction. This process went on until the opponent had to give up, not being able to urge his point any further, or until the defender was run into a corner, and obliged to deny one or another of two self-evident truths.

I myself have seen a defender, having denied that 'Bellum est contrarium virtuti morali?', met by an argument like this: 'Quod est contrarium paci, est contrarium virtuti morali'; atqui bellum est contrarium paci: *ergo*. Unable to deny the minor, and not very well understanding the major premise, it was the latter he denied. His opponent had him at once. 'Si pax est virtus moralis, contrarium pacis est contrarium virtuti morali . . . etc.' — A much more skilful antagonist was sorely puzzled at the following: 'Qui habet infinite perfectionem creaturae, habet infinite perfectionem meae personalitatis; sed Deus non habet infinite perfectionem meae personalitatis: *ergo*.' The minor, denied, was proved thus: 'Qui habet infinite perfectionem meae personalitatis, est plus ego quam ego ipse: atqui Deus non est plus ego quam ego ipse; *ergo*'. The major was seemingly easy of proof: for my *ego* is not a perfection possessed infinitely by me; and the minor, if denied, would have been an affirmation of Pantheism. Happily for the student, the professor was at hand, and ready to help him out of the difficulty.

Obligation is a quite different, though not a more easy exercise. It may be called 'An Exercise in Consistency'. Any assertion was proposed to the respondent by his antagonist; and by a common understanding, admitted, if not self-contradictory. Then, during the whole time of the exercise, the respondent was to answer as if that proposition were true, denying any other that was incompatible

with it, admitting any that its admission implied, and answering irrelevant propositions according to their truth or falsehood. The following instances, given by Wyclif, may suffice to prove that it was not always easy to determine when a proposition was consequent to or incompatible with another, or merely irrelevant.

Every man is in Rome is the assertion put forward. Though false, it is possible; therefore granted. Then: ‘*You are in Rome*’. — Denied, as irrelevant and false. — ‘*You are a man*’. — Denied too, as incompatible with the proposition already granted.

‘*You are dead*’ is not absolutely self-contradictory (though in contradiction with facts), so it is granted. — ‘*You are alive*’. — Denied. — ‘*You deny your own act then?*’ — No, for if dead I have no act at all, and am not answering you now. — Many will doubtless think that this custom of consistently maintaining a falsehood to its utmost limits must have been confusing to the moral sense of truth and untruth. I do not see that is was necessarily so; at any rate, Wyclif cannot be blamed for teaching the rules of an exercise which he found established.

‘*Some hand of yours does not exist?*’ — Granted. — ‘*Some hand of yours does exist?*’ — Granted, as true and irrelevant. ‘*Which hand exists, the right one or the left?*’ — The right one. — ‘*If so, your right hand is every hand of yours (omnis manus tua)*¹; so every hand of yours exists; which contradicts the first proposition that was granted. The answer, says Wyclif, is to deny the consequence in this case; or if *some hand* in this case means *every hand*, to deny that any hand exists.

‘*No proposition is put to you?*’ — Granted. — ‘*Some proposition is put to you?*’ — Denied as contradictory. — ‘*This proposition is put to you!*’ — Also denied. The opponent urges: ‘I put the present proposition to you: therefore it is propounded.’ — It would certainly follow, is the answer; but the fact is denied.

These intellectual gymnastics may appear puerile, as gymnastics generally do; but I think that, owing to the traces throughout *Logica* of the importance then given to the exercise, I could not give it less space here. It was besides sometimes used for serious questions.

¹ P. 72, l. 16.

Wyclif gives us one concerning the Incarnation, and another relative to his own theory of ‘indivisible degrees of perfection’. Both are worth stating.

‘God is man.’ — Granted. — ‘God is immortal.’ — Granted too. — ‘This same God (Christ) is immortal and mortal: a contradiction.’ Here a distinction is given: immortal in His Godhead, mortal in His humanity. — ‘The same being then is immortal and mortal.’ — The contradiction is denied: the same being, yes; from the same point of view, no.

‘Peter and Paul are both equally full of love to God during one hour, when they both acquire an equal amount of that virtue; at the end, Peter dies, and Paul is yet living.’ — Granted. — Then the opponent says. ‘Peter and Paul will be equally perfect?’ If this be granted: it is objected that in the last instant (at which Peter is dead and Paul living) the former does not continue to merit, while the latter does. If it be denied, the opponent points out that the indivisible quality acquired by Paul during *one* instant is infinitely small, and adds nothing to his merits. Most people at the present day would think so too. If there be not a gap here in the text, Wyclif leaves the question unsettled. But in the Third Part of Logica, he very distinctly decides it in the former way. The infinitely Small is, in his opinion, not nothing; far from it; it is only a thing so small that nothing can be smaller. A point takes up no space, but still it has entity — position, which no other point can occupy. A second point, even though touching it, would not be in the same place.

Logicae Continuatio. Proemium (p. 75). This second preface is a very brief summary of the two tractates contained in the rest of this volume, and of the third tractate, which will fill up two more. It has already been noticed in the General Survey of this work.¹

Chap. I. *Of Truth* (76—79). Truth is the correspondence of a proposition to that which it signifies in the first place: i. e., the most general signification of the words. What they may signify secondarily by stretching the sense descending from the universal to the particular, or linking one idea to another by association, is, therefore, quite foreign to truth; for by that means any proposition, however false, might be true, and any true one false. Again, the same proposition, understood in two different ways, is neither true

¹ P. IX.

nor false; or rather, both at once. And, according as the primary signification admits the idea of *necessary* or *contingent* truth, or *impossibility*, the proposition itself belongs to one or other of these three classes. Thus truth, according to Aristotle, is the fact of a proposition, meaning the *thing* that is; but to those who deny the Universals, it means only ideas, not *things*.

Chap. II. *Of Demonstration* (p. 79—82). Sense, or intuition, or inference from both, is the source of all proof. Mediate inference may proceed: *a) A Priori*, as the inference of an effect from its cause; *b) A Posteriori*, as the demonstration of a cause by its effects; *c) Ab Aequo*, proving one thing by another that comes to the same; and *d) Ab Absurdo*, proving that the contradictory proposition is self-contradictory. Sometimes one sort of proof is preferable, sometimes another; any true proposition can be proved; and we are always free to grant a proposition, if one of its primary senses be true.

Chap. III. *Distinctions of Terms* (p. 82—85). Some terms can be analyzed completely, i. e. down to their singulars; others are only exponible into the propositions which they imply. ‘Official’ terms merely determine the supposition of the other terms in the proposition: the foregoing distinctions are nevertheless not mutually exclusive. A universal proposition may be the same as its exponents, but is not always so; in some cases there is more absolute truth on one side. Official terms must be carefully repeated in the exposition, that confusion may be avoided; and terms, when we repeat them, must always be understood in the same sense.

Chap. IV. *Of the Universal Affirmative* (p. 85—100). Every such proposition may be proved (1.) *A Priori*, (2.) *A Posteriori*, as already noticed, or (3.) by proving the falsity of its opposite; or (4.) *Ex aequo*; that is by expounding it. We prove, for instance, that ‘Every A is B’, if we prove that ‘Some A is B’, and that ‘No A is not B’. This method is the most employed of all. Wyclif, however points out that ‘No A is not B’ is merely the universal affirmative under a negative form.

This exposition undergoes four sorts of variations. *a)* According as the quantifying sign is of different genders, or common (*quisque*, *quaeque*, or *omnis*); *b)* According as the subject is simple or compound; it may also be of one or other of the genders, or epicene;

it may be made up of several partial subjects, copulated or disjunct, and some part may not be in the nominative.

Here we may stop to notice a curious conclusion to which Wyclif's Realism leads him. He says¹ that 'All twos and threes are five' is not true, any more than that all two men and two animals are four; because neither two nor three are five, but together they make up five. Two men *are* two animals (i. e. animated beings), yet they do not make four, but three; the third is the universal *Animal* (or *man*, as I put it in the foot-note on that page) present in each, yet really distinct from each. Further on,² he repeats the same theory, and devotes a chapter in *De Universalibus*³ to explain and defend his idea. Each singular differs really from its universal, only by the 'Hypostasis', called personality in intelligent beings. Thus, there being a real difference, the universal and one of its singulars make two. That the hypostasis is something real, superadded to the substance is a well-known doctrine of the Thomists, opposed by Scotus; but even the most uncompromising Thomists affirm only the real difference between one singular and another; and asserting the real existence of one Universal Man, *conceived* as really the same in all, they denied that this concept was any more than an abstraction. Wyclif's Realism is therefore not of the moderate type. Yet neither does it go to the extravagant Pantheistic reveries of some Medieval philosophers. The more I study it, the more I feel convinced that, though at the time this work was written Wyclif had thought out the main points of his doctrine, both theological and philosophical, he did not yet see how absolutely and inexorably it bore him onwards to the denial of annihilation, thence of Transubstantiation, and thence to an insurrection against the power of Rome.

But to return to the point in discussion. If the subject is disjunct, i. e. divided into parts joined by the conjunction *or*, it may mean the same as if it were copulated. As for copulated subjects, we must note the sense well, to see whether they must be taken together or no; especially as Latin adjectives are often substantives

¹ P. 80. ² P. 93, l. 25. ³ *De Universalibus* (as yet unpublished) Chap. IX (incipit). *Consequens est videre quomodo universalia et singularia ponunt in numerum.*

too. ‘*Homo justus et grammaticus*’ may mean ‘a righteous man *who* is a grammarian’, or ‘a righteous man, together with a grammarian’; in the second case, the verb must be in the plural. Punctuation may also affect the sense; as: ‘*Homo-futurus est*’, which is false; and ‘*Homo futurus-est*’, which is true. Such propositions Wyclif calls partitive, and he adds some remarks on so-called implicative propositions. Ablatives absolute can be turned into incidental propositions.

The subject containing a term not in the nominative is next examined and expounded. The rule is that the genitive (or other case not the nominative) becomes universal in the second or negative exponent, v. g. ‘Every A of any B is C . . . Some A of some B is C, and no A of *any* B is not C.’ This Wyclif proves by analysis of the proposition. There are, however, cases when this is not true: as ‘Every servant obedient to *his* master is liked by you. Or ‘He is the master of *an* obedient servant.’ If the genitive precede the nominative, then the term that comes first is alone universal.

I must here correct a foot-note on p. 93 that was not sufficiently considered. Wyclif (l. 37) points out that this proposition is false: ‘Every proposition or its contradictory is true;’ the reason is that ‘Every proposition’ comprises contradictories too; so the opposition implied by *or* cannot be posited.

c) The sense of the proposition varies with the verb. *First*, if the verb be in the present, it may be ‘ampliative’ or not ‘ampliative.’ To amplify, in the technical sense here followed, means to extend the meaning to mere possibility or to an intellectual process. Wyclif says that we must, in expounding such a proposition, give to the negative exponent the substantive verb, together with the ampliative one; as: ‘Every A *can be* B . . . Some A *is* B, and no A *is or can be* that *cannot be* B.’ Or ‘Every A *begins to be* B . . . Some A *begins to be* B, and no A *is or begins to be* that *does not begin to be* B.’ I confess I see no use in all this complexity. But again, we know too little of the philosophical currents of the period to be able to judge, or even to be sure that we understand aright. These precautions *may* have been a safeguard against some sophistical trap. Negative propositions belonging to this category (*Ex*: ‘All that is not will be or was) present particular difficulty, that can indeed be

overcome, but is better eluded by taking the contradictions of such propositions, and proving their falsity.

A similar process is to be followed, if the verb is in the past or the future tense. The first exponent is affirmative, and contains the verb in the past or future; the second, negative, has the verb in the present, disjoined by *or* from the same verb repeated in the past or future, as the case may be. Wyclif adds¹ a few observations on the *descensus ad singularia*, for which I may refer the reader to the foot-note, and to what has already been said on the subject.

d) The predicate may vary the sense in as many ways as the subject. The relative pronoun often causes confusion, as in this case: ‘Omnis pater generat individuum de sua substancia, *cui* est similis specie.’ For men of the present day, it is rather a grammatical than a logical quibble. Wyclif lays down the rule that the relative should stand for its nearest antecedent, unless the sense be unmistakably clear, and closes the chapter by mentioning the fallacy called Amphibology.

Chap. V. *Of the Universal Negative* (p. 100—107). The four sorts of demonstration come in here, as in the case of the universal affirmative. The singulars of any universal negative are found by taking the singular affirmative and prefixing *not*. A universal negative needs no middle term to descend to its singulars by; because, as we may remember, it can be converted simply: so it cannot be properly expounded. Each singular, however, of a universal negative may be true; and yet the universal may be impossible; v. g.: ‘This animal is not of a certain size’ ‘This other, ditto’ and so on, until every singular animal is enumerated. All are true, yet the universal, ‘No animal is of *any* size,’ is evidently false. Wyclif explains this difficulty with particular care.

In the third sort of proof — argument *ab absurdo* — there occur specimens of logical juggles. Sophists take up this principle: ‘Whatever is opposed to a certain universal is false; therefore that universal is true.’ One example may suffice. ‘*Nothing*’ can work as many miracles as *God*; for, if not, then *something could*; which is false. ‘*Nothing*’ is therefore as powerful as *God*. We must observe that

¹ P. 97.

Wyclif admits that 'nothing' was the matter out of which God made the world.¹ But this expression does not necessarily imply that he gives an entity to nothingness; and I have nowhere else seen, so far as I can remember, that he understands it in this sense. Wyclif's fondness for out-of-the-way modes of expression may no doubt be answerable for many opinions that have been ascribed to him.

Chap. VI. *Of the Particular Affirmative* (p. 107—114). I believe the reader has been sufficiently edified as to the manner of analyzing or of expounding propositions in the former chapters. In future therefore, we may set aside what relates to exposition, and confine ourselves to matters of more general interest.

Wyclif here again continues to follow the plan already laid down: proofs *a priori*, *a posteriori*, *ab opposito* and *ex aequo*, though he scarcely bestows a sentence each on the two last. The most important passage is on p. 109, where the signification of Being is debated. Some only admit that the word applies to what exists actually; others extend it to all that is possible, and even beyond, to whatever is intelligible in any way. Wyclif is of course of the latter opinion, and points out that when we speak of the Impossible, even to say: 'This impossible thing is impossible', we cannot find any other verb but *to be*, that expresses our meaning. Extending thus the sense of *to be*, we can admit that 'what will be an ass at one time will be a man at another' (as to the body, of course); 'the same thing (*hoc*²) will be at such a time an ass, and at such another not an ass'; and at the latter time will differ from an ass. Translated into modern language, this would perhaps become: It is possible that every atom that at one time makes up the body of a man will at another form the body of an ass. If there were no one in the world but a pregnant woman, it would be true to say of her: '*This* will be all men'; but not: 'All men will be *this*'.

If we consider³ a man receiving a quality more and more intense until his death, we have an affirmation of being which coincides with the very cessation of his actuality: another reason for affirming that the sense of *being* should be extended. For, at the very moment he is *no more*, he *is* as old as ever he will be.

¹ P. 105, l. 19, 20, 23, 24.

² L. 10, 18, 19.

³ P. 111, See p. 75.

C*

Many fallacies can be solved by such extension of meaning. 'A bishop (that is to be) will see Socrates, who will never be seen by a bishop (that *is so now*)' &c.; the sense of the verb is here amplified as to time, and that ought to be borne in mind. So of the other fallacies given on p. 112, 113.

Chap. VII. *Of the Particular Negative* (p. 116—121). The salient point of this chapter is a fifth sort of proof brought forward under the name of *captio*, and refuted. Wyclif has just said that 'what is not intelligible to me cannot be understood by me.' It is objected that 'something *unintelligible* is understood by me,' since I understand its absurdity. So 'I understand what is not intelligible to me.' But the fact is that we do not know the sense of the proposition, for it has none. All we know is that it has no sense. And: thus the fifth sort, *captious proof*, is valueless.

Second Tractate. Chap. VIII. *Of Difference and Otherness* (p. 121—128). To differ, according to Wyclif, is thus expounded: 'A differs from B ∵ A is, B is at the same time, and A is not B.' There can be no difference, if there be not a certain simultaneity. Some of the conclusions which he indicates rather than proves are curious, and remind us of certain modern philosophers. For instance, the *Sixth Conclusion*.¹ 'A man may differ from an ass, but not every ass would differ from him; for if he differs and they differ at the same instant, the very fact would prove a certain identity. — *Seventh Conclusion*. 'A man may differ from every man, and yet not from every man past, present, and future.' *Eighth Conclusion*. 'A man may differ from that which is white, and yet never come to differ, nor even be able to differ from that which is white,' because² 'that which is white' has particular extension, not universal, in the present tense, and a universal one in the past and future. *That which* differs is *that which* will not differ; *that which* is other than true will be true. The supposition, it is seen, bears upon the *that which*, the mysterious subject of all changes and differences. Many Hegelian ideas are here undeveloped, and wrapped up in Scholastic phraseology; but I think it more than doubtful whether Wyclif ever developed them, even in his mind. He was carried away in another direction.

¹ P. 125.

² P. 124, l. 10.

Chap. IX. *Of Exclusive Propositions* (p. 128—142). In Latin, as in English, the place of the exclusive, particle (Only A is B; A is only B) makes a great difference. In the first case we must expound by ‘A is B, and what is not A is not B’. There are of course variations in the rule, according as the subject, verb, or predicate vary; and many fallacies are based upon these variations. Certain sentences are meaningless or impossible, such as ‘Only every man is an animal’. When the exclusive is negative (Only A is not B) the minor exponent is a double negative (No not-A is not-B). Such exclusive negatives contain within them an affirmation, and have therefore aptly been called *pregnant*. But they are impossible whenever the subject is positive and the predicate not transcendent. ‘Transcendent’ means in Scholastic language, any of the six following terms: *ens*, *res*, *aliquid*, *unum*, *verum*, and *bonum*, which may each be predicated of *everything*. I do not quite see that Wyclif is right here, with the brief explanation he gives. ‘Only man does not run’, one of his instances, is certainly false. But ‘Only the material world is not intelligent’ may be disputed, it is true, but not at once set aside as impossible. Yet here the predicate is not transcendent.

If the subject contains the idea of number, the proposition ought to be expounded by *more*: ‘Only 4 A’s are not B’s: minor exponent: All things that are more than 4 A’s are B’s.’ *Other* may also be employed, or the usual exposition followed. — When *only* determines the verb and predicate, it may be placed either after or before the verb: Wyclif does not like, for a logical reason, to admit any difference between ‘You only love man,’ and ‘You love only man’;¹ the exposition is in this case the same as before. In many cases, such propositions are impossible. A man, as to space, is always *alone*, strictly speaking, for no other body is in the same space; but, thus alone, his acts are multiple. We may say that he lives *alone*, but not that he *only* lives, since he does many other things. No man, according to the ancients,² is *only* white; he is more: *musical*, *standing*, &c. And so on of the infinite multitude of qualities every concrete being must possess.³ Every exclusive may be expounded by

¹ P. 135, l. 35. ² P. 137, l. 35. ³ P. 138, l. 5, 6 . . . quod secundum eos (viz. ponentes universalia ex parte rei) est falsum.

the term ‘more’; but some authors, instead of ‘only’, employ purely or ‘merely’, in order to avoid this sort of exposition. It is of great importance whether the exclusive particle precedes or follows the negative, as: ‘A is only not B’, and ‘A is not only B’.

Chap. X. *Of Exceptive Propositions* (142—156). These are such as contain an exceptive clause, indicated by an exceptive particle, the place of which does not matter. All are universal, but some negatively and some positively. They may be expounded by *not* or by *other*; but Wyclif points out cases in which the latter exposition strains the sense very much.¹ — The variations that occur, and their causes, are next enumerated. The proposition amounts to a universal one,² if the exception regards only a few singulars. ‘All men but A and B are in Oxford; all men are in Oxford.’ It is what modern scholastics would call an imperfect universal. We may make any proposition perfectly true by excepting the cases in which it is not true, whether those cases exist or not. And this is not superfluous; at least not more so than many other modes of expression now employed. Note that the exceptive, ‘Every A but B is C’, and its prejacent, ‘Every A is C’, are subcontraries in the sense that both may be false and both true. It may be denied that there is any opposition between them, as in the case when the predicate is particular; as: ‘A man does not see a man except himself;’ but we must take it to mean: *Any* man; and then the proposition is universal: otherwise it is not exceptive. Or, if it be urged that we can say, ‘Everybody except Socrates, is excepted; so here the prejacent (Everybody is excepted) comes to the same as the whole proposition, and there is no contrariety: Wyclif answers that the proposition, as it stands, contradicts itself.

We ought to expound certain exceptive propositions by the idea of plurality. ‘I have given none save 4,’ means ‘I have given 4, and not more.’ But we have an impossible conclusion, if we expound this by ‘not anything else than 4;’ or by ‘not — not four’. For we have given 1, 2, and 3 before giving the unit that makes four. This part of the subject closes with some notes about the supposition of exceptive terms.

¹ P. 143, end.

² P. 145, l. 4.

Exceptive propositions may be turned into universal affirmatives or exclusives with the same sense. ‘Nothing except B is C’; ‘Only B is C’; ‘Every C is B.’ There are difficulties in making these conversions, when dealing with complex and copulated terms. Wyclif meets them very conscientiously, and I have followed him as well as I could in the side-notes. But perhaps the general reader will be satisfied with the fact, and those who are more curious ought to refer to the text itself, to which it is impossible to do full justice in so short a synopsis as this must necessarily be.

Chap. XI. Of the *Necessary* and the *Impossible* (p. 156—166). These terms are taken together, because contraries follow the same rule. ‘Necessary’ is ‘impossible not to be’; ‘impossible’ is ‘necessary not to be.’ ‘Necessary’ is said of what is useful, of God, of any absolute truth, of conditioned truth, and stands also for ‘must’. Waiving the two first senses as irrelevant, the *absolutely necessary* is either 1st, Primordial, i. e. the truth of God’s existence; or 2nd, Secondary, but self-necessary; as geometrical theorems; or 3rd, What now cannot have not been; as all past facts.

The *relatively necessary* is *Antecedent*, i. e. that of a cause relatively to an effect; or *Consequent*, caused by antecedent necessity; or *Concomitant*, when it merely coëxists with something else. The same thing may possess all three necessities at once; they are not even opposed to Contingency. Antecedent necessity is *voluntary*, *natural*, or *coërced*. The divisions of the Impossible are similar.

Wyclif then proceeds to expound such propositions; but he notes that in some cases, ‘necessary’ being a substantive, the whole proposition is purely categorical. When modal, and out of several senses of ‘necessary,’ one is true, we may grant it, even in such a case as ‘necessarily something is, which is not necessary.’¹ And we also grant that something that is not now necessary will be so some day, when it *has* happened; in this theory it may be that God, creating me, does not exist; i. e. at any instant of time other than my creation. It will be true that I have a son; then God *is* not creating my son, while He *can* be so; therefore, something contingent is in God.² Yet this is false. — I notice this only to call attention

¹ P. 161, l. 20.

² P. 163, l. 3—20.

to the confusing manner in which Wyclif sometimes, after having granted a whole series of propositions from a given principle which he certainly seems to admit, stops us with: *Hoc est falsum*, or *impossibile*. He concludes the chapter with a short mention of the usual four sorts of proof, and affirms that he does not value much the fallacies that exist on that subject: an assertion with which most people will heartily agree.

Chap. XII. *Of the Contingent* (p. 166—177). There is the contingent of indetermination (*ad utrumlibet*), an effect depending on free-will; then the contingent called ‘natural’, that does not thus depend. The latter is an effect that happens *always*, or in *most cases*, or in *few*.

Here Wyclif opens a long parenthesis to bring in his theory of determinate and indeterminate truth, the latter pertaining to the Contingent of Indetermination, and not without influence on the doctrine of free-will. It may be briefly stated thus: Everything that is true at a given time is so determinately; what may be true without any precise fixation of time, is indeterminate truth. All indetermination depends upon the future, for the present and the past are determined. God is the ultimate cause of indetermination,¹ and the human will is the immediate cause; for the contingent of indetermination is alone indeterminately true. And such contingent truths depend on the will.² Returning to the main point, we find that the Contingent in *all cases* has an unfailing cause; that the Contingent in *most cases* has a cause which is natural, but not unfailing; and that the Contingent in *few cases* has a cause, but not one naturally ordered to produce that effect. Here we touch the vexed question as to whether monsters are intended by nature. Wyclif thinks they are, and very keenly points out³ that if not intended by nature, because they occur in the minority of cases, then children would also not be intended by nature; for the causes having been posited, they certainly do not come into the world in the majority of cases.

We next come to the question of chance. Chance points to a cause that occasions a thing happening in the minority of cases, and

¹ P. 168, l. 35; 169, l. 1.

² P. 169, l. 15—35.

³ P. 171, l. 14, 15.

quite aside from the natural tendency of the cause. If out of a hundred balls, ten are white, and ninety black, a man that draws a white ball does so by chance; if fifty were white and fifty black, it would not happen in the minority of cases that the white ball is drawn; so it would no longer be by chance; and if sixty were white and the rest black, it would be still less the result of chance, for here we have a decided cause: the superior number of white balls that make for the drawing of a white one. This is of course far from the modern definition of chance. — But the same thing may occur by chance and not by chance; as the meeting of a debtor with his creditor. Chance and fortune differ, in that the latter supposes a being working to overcome chance.¹ ‘Naturally,’ ‘by chance,’ ‘violently,’ ‘supernaturally,’ ‘volitionally’ and ‘artificially’ are not, according to Wyclif, terms mutually incompatible. Yet he notices that some think that they are.

As we have already seen, Wyclif also thinks that necessity and contingency are not absolutely opposed; this is a sequel of his system. God creates men necessarily; it does not follow that the creation is not also contingent. All these words are contradictory only when taken in similar senses.

It is well known that Wyclif’s doctrines of necessity were condemned at the Council of Constance. I do not deny that the manner in which he expresses himself, taken according to the usual meaning of words, lays itself open to the charge of heterodoxy. But in most of what I have seen of his *philosophical* works, he explains his meaning with sufficient lucidity to clear him from the charge. Whether, in those of his theological treatises that followed and were condemned, he goes a step further, I do not pretend to say here. But indeed the Church usually, condemning propositions in the literal sense (*quatenus verba sonant*), looks less to the meaning of the author than to that which they are likely to convey, and to the danger that may result therefrom. When Wyclif tells us that sin occurs necessarily, and means that, given God’s foreknowledge of sin to exist, sin must also exist at some time, it was quite natural that people who did not understand his meaning should have been

¹ P. 172, l. 7, 8.

alarmed at the words. In the course of my collating and copying, I once came across a passage in which Wyclif says that God does not help the sinner whom he foreknows to be damned, not because He is not willing, but because He foreknows that the sinner will not accept the grace if given. This might be explained in some way or other; but the language as it stands does not produce a good effect. We may again set it down to our author's fondness for seemingly paradoxical ideas.

Chap. XIII. *Of Knowledge, Doubt, etc.* (p. 177–191). This chapter is one of the least satisfactory in the work: we may therefore review it rapidly. It contains first of all several distinctions of the sense in which 'Knowledge' is to be understood; *actual* or *habitual*; *experimental*, *intuitive*, *deductive*, *confused*, or *distinct*. Actual knowledge is an act of unhesitating belief in the truth. Thus the unlettered may often know, where the philosopher, seeking to prove all, is in doubt, even of the evidence of his senses. These two factors are necessary; unhesitating belief, and the truth of the object.

After this there comes a series of fallacies, propounded and solved, of which some are explained in foot-notes, others in side-notes only, and others I have not been able to understand at all. The fundamental idea in them all seems to be the well-known question: *Do you know what you do not know?* — Knowledge, doubt, ignorance, will, desire, are, as Wyclif says shortly afterwards,¹ terms that admit of more fallacies than those of understanding, imagination, apprehension and conception. And he instances another difficulty for the will, tending to one thing conditionally, and absolutely to its opposite.²

Chap. XIV. *Of Beginning and Cessation* (p. 191–203.) Beginning and cessation are, and always have been, a puzzle to logicians. Is the beginning of a line, a line or no? At the very instant of death, does the subject exist? If so, we can affirm that *he* dies; but then, how can that be true, if *he* exists? There are endless subtleties on the matter. *To begin* means the last *now* of non-being, and the first of being; vice versa, *to end* is the last *now* of being, and the first of

¹ P. 188.

² P. 188, 189.

non-being.¹ But here comes the difficulty. Are these *Nows* separate instants? Wyclif says that such as do not admit his system of 'indivisible' points etc., are obliged to say that death takes place in two separate instants!² 'Instant' may mean eternity,³ which is not successive, but is indivisible. If anything begins, its beginning also begins; and where movement to and fro ceases, there is a point where both movement and rest begin and end.

On p. 195 Wyclif affirms his position, which he proves only in the Third Tractate, towards the end. 'The Continuous is made up of 'indivisibles'; time, of instants; the line, of points; the surface of lines; the volume, of surfaces; and movement, of acts of change (ex mutari). This opinion maintains that nothing can possibly begin or cease to be except at some present time; and so the two instants touch one another (sunt inmediata). We may here leave the subject.

The rest of the chapter consists of rules and conclusions which are not very easy to understand: In some places, Wyclif seems to contradict himself.⁴ However, there are two difficulties that deserve notice; one⁵ concerning the beginning of time at creation, whether there was, or was not, a cessation of *non-entity* when the world was created. The other⁶ is whether God was Lord of all, or not Lord of all, before the Creation. The answer is, that *Not-Lord* and *not Lord* are two very different things.

Chap. XV. *Of Per Se and Per Accidens* (p. 203—212). It is very difficult to analyze this chapter. It consists of a multitude of details, distinctions and remarks, undoubtedly very useful to students of Scholastic logic, but hard to condense. The side notes being full, here as everywhere else, I may refer the reader to them, and say a few words about the general definitions only, as here laid down.

Per Se applies either to a *genus*, or the abstract *Substance*, or a *concrete* being, or to the *Uncaused* Being. *Per Accidens* answers to the different meanings of *Accident*. Some are separable, others inseparable. To say that A is B *per se*, means that it is B because it is A; but it may be so more or less directly. A is *per se* a man, a living being, a substance; he is a man directly. *Per*

¹ P. 193, l. 57. ² P. 198, l. 24. ³ P. 192, l. 31. ⁴ See foot-note, p. 197. ⁵ P. 196. ⁶ P. 198, 199.

accidens is, not always but sometimes, opposed to *per se*. A musician builds *per accidens*, an architect, *per se*.¹ Here there is opposition; both expressions are tantamount to non reduplicative and reduplicative propositions respectively (A, though not *as A*, is B; A, *as A*, is B).

Chap. XVI.: Of the *Infinitely great and small* (p. 212—217). In the explanation of these terms, Wyclif largely draws upon his system of the ‘indivisibles’. A is infinitely B, means, A is B, and nothing else is B that A does not exceed in this respect. Wyclif has hit upon the true definition — a negative one — the ‘immeasurable increase’ of modern mathematicians. — Is a line, if infinitely long, infinitely great? If so, we have something that is greater than the Infinite; for instance a surface bounded by the same line. If we admit that every line consists of points, we must deny that any line can be infinite. Every line, however long, contains a fixed though immense number of points; so does a surface; thus a line may be equal to a great surface, and yet not infinite for all that. If, on the contrary, we deny that system, we must admit that one Infinite can be greater than another, as differing in kind.

‘Immediate’, i. e. touching, infinitely near, or small as to distance, is infinite in a certain sense, and must be expounded in like manner; it is a passing beyond all finite degrees of propinquity in space or time. Yet two things, thus touching each other, are not identical; and ‘infinitely near’ does not mean simply Infinite.

Chap. XVII. Of *Comparative Propositions* (217—229) I. Comparisons of equality, viz., with the positive degree of comparison.² ‘A is as great as B ∵ A is great, and B is great, and neither is greater’. Note, by the by, that the comparative is used here; further on the positive is used to expound the comparative. The fact is that the idea of *comparison* is fundamental in all thought, and not analyzable.³ — A curious difficulty is propounded by Wyclif on p. 218. — A is an infinite line. Now there are an infinite multitude of finite lines of all lengths, none being the longest of all. Is any as long as A? No, for then one would be the longest. And yet in an infinite multitude of lines of *all lengths*, some one must be infinite. Here it is evident that the question itself is absurd. The

¹ P. 206, l. 17—24.

² P. 217—220.

³ See pp. 221, 227.

reader must however observe that this seemingly useless question of mathematics, is nothing but the diagrammatic form of a question that long ago vexed the philosophical world; I mean the great problem of the *Possibles*. Possible creatures in unlimited multitude and of all degrees of perfection being conceivable, is any one of them equal to God? The answer is here shown clearly: the very data of the question are absurd. If creatures, none can be supreme; if unlimited in perfections, some one of them *must* be. I know of no case in which mathematical figures are more happily brought in to assist the mind.

II. *Comparison of inequality, viz., with the comparative degree.*¹ There is no difficulty with the exposition or quasi-exposition of usual propositions; but those about 'beginning and ending' give trouble. Can we say, 'A is whiter than B begins to be?' Wyclif, perhaps inconsistently², denies that *beginning* and *being* are comparable.

III. *Superlatives.*³ What is required here is, that both the ideas compared should belong to the same class: no positive comparison can go so far as a superlative. We say much, if we say: 'A is as strong as any man'; but not so much as 'A is the strongest of men'. We cannot say 'A is wiser than every man', which is self-contradictory; but, 'than any other man'. In like manner it would be absurd to say, 'A is the wisest of *these* men', if he is the wisest of *all* men.

The chapter ends with some unimportant remarks on the lax use of certain comparative expressions.

Chap. XVIII. *Of Terms in the Plural* (228 to *end*). I do not know whether Logicians have made much progress in the art of setting things forth briefly, since Wyclif's time, but except for a paragraph or two concerning the conjoint action of several causes, the chapter may be summed up very shortly. All the terms of which he speaks are merely collective terms, and a collective term is equivalent to a singular. In fact Wyclif, after long explanations, says pretty nearly the same,⁴ though in a somewhat ambiguous manner. All syllogisms with collective terms follow very simple rules; above all,

¹ P. 220—223.

² P. 222, foot-note

³ P. 223—228.

⁴ P. 233.

it must be recollected that the predicate is true only of the *whole* subject.

As for the question whether, when several agents work together to produce the same effect, they are or are not all causes of the effect, Wyclif says there are three answers, the second of which he prefers. *First*: The last agent produces the effect, the others only predisposing towards that last effect by the foregoing ones. The last straw breaks the camel's back. This, notwithstanding the authority of the proverb, is a somewhat exaggerated view. *Second*: Whoever intends to make, or do a whole thing or action, and makes or does a part thereof, makes or does it partially. This is Wyclif's view, from the standpoint of common sense. *Third*: The last straw indeed breaks the camel's back, but produces none of the previous effects of fatigue. Wyclif also admits¹ that where many forces work together, they each produce the movement, though none may be at work for the whole time. — The whole of the rest of the chapter² is devoted to clearing away misconceptions, that can arise only by confusing a collective with a distributive or universal subject.

Such is, briefly and imperfectly given, the synopsis of *Logica* and the first two tractates of *Logicae Continuatio*. In one of the reports of the Wyclif Society, Dr. Furnivall says, quoting a letter of mine, that *Logica* is the most generally interesting of Wyclif's philosophical works. From my point of view, this would be true to a certain extent, even of the present volume, but I meant specially to allude to the two others that are forthcoming. I should very much regret that any reader should be disappointed with this volume, and I am sure that any man who has studied Logic with real interest will admire the keen thought, the acumen and depth of views, and the quaint originality of our author.

¹ P. 231.

² P. 232 to end.

PROEMIUM.

1^a | Motus sum per quosdam legis dei amicos certum
tractatum ad declarandam logicam sacre scripture com-
pilare. Nam videns multos ad logicam transeuntes, qui
5 per illam proposuerant legem dei melius cognovisse, et
propter insipidam terminorum mixtionem gentilium in
omni probacione propositionum propter vacuitatem operis
eam deserentes, propono ad acuendum mentes fidelium
ponere probaciones propositionum que debent elici ex
10 scripturis. Et primo, cum tota variacio probacionis
propositionum habeat ortum ex terminis, diversorum
terminorum proprietates et passiones intendo declarare;
dein ad universalitatem et praedicamenta respiciam; et
dein summulas, suppositiones, consequencias et obliga-
15 toria componam; et demum ad materiam de *scire* propter
finem et perfectionem tocius operis specialiter me
convertam.

This work is
the Logic of
Holy Writ.

Division:
a) Terms and
their properties;
b) universals
and categories;
c) reasoning;
d) knowledge.

1. Titulus et Proemium desunt. 2. Small Vignette for Initial M.

1. The text is that of Cod. Vind. 4523, subsequently lettered A.
The MS. being unique as far as *Logicae Continuatio*, there is
no need to indicate it by a letter here.

CAPITULUM PRIMUM.

A term is simple or compound, according as it stands for one idea or for many.

Terminus, large loquendo, est diccio artificialiter inventa propter compositionem proposicionis; et sic omne tale quod est diccio in grammatica est terminus in logica. 5

Sed terminorum aliqui sunt simplices et aliqui compositi. Terminus simplex est diccio cui unicus conceptus correspondet in anima, ut *homo*; terminus compositus est diccio cui multi conceptus non synonymi correspondent, ut *homo sanctus, animal vivum* etc. 10

If simple, it is categorical or syncategorical, according as it has, or has not, meaning by itself.

Terminorum simplicium quidam est categorema, et quidam est syncategorema. Categorema est, cui correspondent intencio in anima, significans pro re, convertibilis cum eodem termino; ut isti termino, *homo*, in scripto vel in voce correspondet hec intencio, *homo*, in anima; et ista intencio, *homo*, in anima, est convertibilis cum illo termino, *homo*, in scripto vel in voce. Igitur etc. Syncategorema est terminus consignificans, cui non correspondent intencio in animo de significato; ut iste terminus, *omnis, quilibet, si, non, pro*, etc. 20

If categorical, it is general or individual, according as it stands for the nature of a thing or for the thing itself; if general, equivocal, transcendental, or univocal.

Cathegoricum quoddam est commune, ut *homo, animal, canis*. Et dicitur terminus communis, quia principaliter significat naturam communem ad extra, sicut iste terminus, *homo*, principaliter significat naturam humanam, et iste terminus, *canis*, principaliter significat naturam caninam, 25 et iste terminus *animal* principaliter significat naturam animalis, scilicet, animalitatem; et iste terminus, *Deus*, principaliter significat naturam divinam, que est communis tribus personis in divinis.

Et cathegoricum quoddam est discretum, ut hoc 30 pronomen, *hoc*, et alia pronomina demonstrativa, vel similiter propria nomina, ut *Johannes, Robertus* etc. Sed adhuc terminus discretus potest capi singulariter, ut *hic*,

1. Capitulum deest. 2. Initial T in blue ink.

iste, et pluraliter, ut *hii, isti*. Si enim sit terminus communis, vel est terminus univocus vel equivocus. Si sit equivocus, vel est transscendens, quod est predicabile de omnibus entibus, sicut *iste terminus ens, vel unum, 5 vel res vel aliquid*, quia omne quod est, est *ens*, et *unum, et res, et aliquid* (et ideo dicitur terminus transscendens); vel aliter est terminus univocus et non transscendens; sicut *iste terminus angelus, vel homo, vel animal*.

Terminus substancialis est terminus qui significat A term is called substantial or accidental, according as it stands for the substance or the accident which belongs to it.
 naturam rei sine connotacione accidentalis proprietatis; ut iste terminus, *homo*, significat essenciam humanam sine connotacione extranea. Et iste terminus, *Angelus*, principaliter significat naturam vel essenciam angelicam sine connotacione extranea. Sed terminus accidentalis 15 est diccio significans essenciam rei, connotando accidentem talem proprietatem: | sicut iste terminus, *albus*, significat substancial et similiter albedinem, que est proprietas extranea ab essencia, que est substancia; et iste terminus, *sacerdos, vel episcopus*, est terminus accidentalis, quia 20 significat hominem, et aliam proprietatem ultra, que est sacerdotium, vel episcopatus. Et dicitur terminus substancialis, quia quicquid est huiusmodi, sicut significatur principaliter per istum terminum, tunc necessario erit ipsum huiusmodi, dummodo ipsum erit; sicut, si aliquis 25 sit homo, tunc ipse non potest esse, nisi fuerit homo; et hac de causa dicitur iste terminus, *homo*, substancialis. Et dicitur terminus accidentalis quia, quamvis aliquid sit huiusmodi, sicut significatur per illum terminum, tamen potest esse quod ipsum sit, quamvis non sit huiusmodi; 30 sicut, quamvis aliquis sit clericus vel sacerdos, idem tamen potest esse postea cum hoc quod non sit clericus, vel sacerdos.

Aliquando tenetur terminus in recto, et aliquando in obliquo. Tenetur in recto, quando tenetur in nominativo 35 casu; tenetur in obliquo, quando tenetur in alio casu quam in nominativo. Similiter, quodlibet verbum presentis temporis est rectum, et quodlibet verbum alterius temporis quam presentis est obliquum. Similiter, iste terminus qui dicitur suppositum in grammatica, dicitur It varies in sense according to its case, when a substantive; according to its tense, when a verb; and is called subject, copula or predicate.

32. *Sacerdos*. Wyclif is logically right; but a Catholic theologian would have put 'antea' instead of 'postea'. The axiom is: Once a priest, always a priest. Mortal sin, according to Wyclif's later developed system, destroys the priesthood.

subiectum in logica. Et oppositum vocatur predicatum; et verbum illos duos terminos copulans, dicitur copula. Et aliquando subiectum et predicatum expresse ponitur, et aliquando subintelligitur; verbi gratia, in hac oracione: *video hominem*, subintelliguntur tam subiectum quam ⁵ predicatum. Sed in ista oracione, *ego sum videns hominem*, exprimitur utrumque. Nam iste terminus, *ego*, est subiectum; et hoc verbum, *sum*, est copula; et iste terminus, *videns hominem*, est predicatum. Nota eciam quod omnis terminus vocatur 'in contextu', et omnis ¹⁰ oracio vocatur 'contextum'.

A term, may be
universal,
particular,
common, or
singular.

Terminorum aliqui sunt universales, aliqui particulares, aliqui communes, aliqui singulares. Termini universales sunt isti, *omnis, nichil, nullus, uterque, quilibet, neuter* et *unusquisque*. Termini particulares sunt isti, *quidam, ¹⁵ aliquis, alius, alter et unus*. Termini communes sunt tales, *homo, angelus, et animal* etc. Termini singulares vel discreti sunt omnia nomina propria, vel pronomina, vel adverbia demonstrativa, ut *Petrus, Paulus, ego, tu, ille, hic, ibi, tunc, nunc, sicut et idem.* ²⁰

If singular, it
is *immediate*;
if common,
mediate,
because it can
receive a sort of
demonstration.

Et termini communes dicuntur mediati, et termini discreti, immediati. Et dicitur terminus mediatus, quia habet terminum inferiorem se per quem potest probari. Sicut in ista propositione *homo est*, hoc signum, *homo*, est terminus mediatus, quia habet pronomen inferius, ²⁵ per quod potest probari, resolvendo istum terminum communem, *homo*, per unum terminum singularem, sic: *hoc est* (demonstrando *Petrum*); et *hoc est homo*: ergo *homo est*. Terminus immediatus est talis terminus, qui non habet aliquem terminum inferiorem se per ³⁰ quem potest probari. Sic est quodlibet pronomen demonstrativum.

A term is
univocal, if it
is applied to
different things
in the same
sense;
equivocal, if it
is applied to
different things
in different
senses.

Terminus univocus est qui per eandem nominis rationem significat res diversas; sicut iste terminus, *homo*, significat omnem hominem sub ista ratione que ³⁵ est *animal rationale*. Et iste terminus, *animal*, significat omne animal sub ista ratione qua est *substancia animata sensibilis*; quia omnis homo est animal rationale, et omne animal est substancia animata sensibilis. Terminus equivocus est, qui propter raciones diversas significat res ⁴⁰ diversas, sive ipsa sint diversarum specierum (sicut *animal latrabile, marina bellua, et celeste sidus*, quorum quodlibet sit iste terminus *canis*, secundum diversas raciones specificas), sive sint eiusdem speciei. Et sic iste terminus,

Johannes, significat equivoce Johannem existentem Oxonie et Johannem existentem Rome; quia nulla est racio secundum quam quodlibet illorum est Joannes. Et ideo talia propria nomina sunt termini precipue equivoci.

5 Terminus denominatus est, qui imponitur alicui alieno A *denominated term* is one term which is derived from another term.
 2^a rei ab arte vel ab habitu, vel ab officio, vel a potencia sive a proprietate alia, et habet consimile principium et dissimilem finem ab illo termino a quo dicitur; ut a *grammatica* dicitur *grammaticus*, tamquam ab arte, et 10 a *fortitudine* dicitur *fortis*, tamquam ad habitu, et a *sacerdotio* dicitur *sacerdos*, tamquam ab officio, et a *cursu* dicitur *homo cursor*, tamquam a potencia.

Terminorum aliis est concretus, alias abstractus. Terminus concretus est terminus significans rem que 15 indifferenter potest contrahi ad suppositionem simplicem vel personalem; sicut iste terminus, *homo*, significat in propositione tam personaliter pro persona, quam eciam simpliciter pro natura. Sed terminus abstractus significat pure essenciam rei sine connotacione aliqua ad suppo- 20 situm cui inest, sicut iste terminus *deitas*, *humanitas*, *albedo*, *canitas* etc. et sic *homo* est concretum, et *humanitas* abstractum; et *Deus* est concretum et *deitas* abstractum; *album* est concretum, et *albedo* abstractum. Et sic ex omnibus terminis concretis possunt abstracta 25 capi.

Terminorum ali sunt finiti, ali infiniti, ali privativi, et ali distractentes, et ali ampliati. Terminii finiti sunt termini sumpti sine negacionibus, ut: *Deus*, *homo*. Terminii infiniti sunt tales qui sunt sumpti cum negacionibus, ut: *non-homo*, *non-Deus*, *non-animal*, *non-Cicero*, etc. Terminii privativi sunt tales, ut: *iniustum*, *privative terms, with the prefix in;* *insipiens*, *indivisible* etc. Et dicuntur termini privativi, quia hec preposicio *in*, in talibus diccionibus, privat suum subsequens; sicut, si *Johannes* sit *insipiens*,

2. *racione pro* Rome. 33. *propositionibus struck out after* talibus.

15. As we shall frequently meet with this word ‘supposition’ in the course of the work, it may be as well to remind the reader of its technical meaning before we come to its exposition, many pages further on. It is ‘the use of a term for any thing whatever’, which of course depends to some extent on the intention of the user. Thus: ‘man is a word of five syllables’; ‘man is an eternal idea’; ‘man is a substance’, and ‘I am a man’; are four sentences, in each of which the supposition differs.

in hac prepositione hec proposicio *in* privat sapientiam
 terms signifying a Johanne. Termini distrahentes sunt isti termini:
absence; *extension or modification of another term*;
mortuum, corruptum, falsum etc. Termini ampliati sunt
 qui secundum suam significacionem extendunt universaliter
 ad futura vel ad praeterita vel ad possibilia vel aliquando 5
 ad impossibilia; ut isti termini, *fuit, erit, opinabile, impossibile, intelligibile, significabile, potest, significat*, etc.
 Termini modales sunt isti: *possibile, impossibile, necessarium, contingens* et eorum adverbia; ut *possibiliter, impossibiliter, necessario, contingenter*, et quilibet terminus qui 10
 modificat significacionem alicuius oracionis, sicut hic:
contingit hominem currere, vel contingenter homo currit.

Terminorum alii sunt impertinentes, alii convertibles; et alii quorum unus est inferior ad alium.
 terms independent of convertible with and subordinate to another;
 Termini impertinentes sunt; ut, *homo, lapis*; termini 15
 convertibles; ut, *homo, risibile, Deus et omnipotens*, quia
 quicquid significat unus illorum duorum terminorum,
 significat et aliud: et sic de duobus aliis. Et non refert
 ponere istum terminum, *Deus, loco istius termini, omnipotens*, nec econtra, quantum ad veritatem vel falsitatem 20
 propositionis, servata congruitate. Termini inferiores et
 superiores sunt, *homo, animal, substancia*, etc.; ut si quis
 intelligit hominem, intelligit animal, et non e converso.

Terminorum aliqui sunt resolubiles, et aliqui exponibles,
 terms that can be resolved into their individuals, et aliqui officiales. Termini resolubiles sunt termini com- 25
 munes qui possunt resolvi usque ad terminos singulares;
 ut isti termini, *animal, homo* etc.; nam animalium aliud
 est rationale et aliud irrationale; et rationalium aliud
 est angelus et aliud est homo; et hominum, aliis est
 Sor et aliis Plato. Termini exponibles sunt omnes dic- 30
 ciones exclusive; ut, *tantum, solum, solummodo, precise, dumtaxat*; et termini exceptivi; ut *preter, preterquam, nisi* etc. et *omne*, signum universale affirmativum.
 Similiter dicitur *aliud, incipit | desunt, omnis* etc. com- 2^b
 parativus gradus et superlativus, et omnes termini redu- 35
 plicati sunt isti: *homo in quantum homo, Deus secundum quod Deus, Cristus in eo quod homo vel quantum est homo*; et sic de similibus terminis habentibus vim

8. *Impossibile* is here reckoned both amongst the ampliative and the modal terms, because it both extends the scope of signification and profoundly modifies it; as, *a circle is an impossible square*; here the subject "circle" is extended to "square", and the meaning of "square" is modified.

negacionis. Termini officiales sunt omnes termini morales and terms that et termini concernentes actum mentis; ut, *scire, credere, intelligere, precipere, dubitare, imaginari, appetere.* represent functions of the mind (oficiales);

Item, terminorum aliqui sunt termini prime intencionis terms having a sense et aliqui secunde intencionis; et aliqui prime imposicionis independent of et aliqui secunde imposicionis. Vocatur enim terminus or dependent on prime intencionis signum quod significat suum significatum, non connotando rationem singularitatis aut universitatis, ut isti termini: *Deus, angelus, homo* etc. 10 Terminus secunde intencionis est terminus qui connotat singulartatem vel universalitatem, sicut isti termini: *universale, singulare, genus, species, substancia prima, substancia secunda.* Sed terminus prime imposicionis vocatur terminus quicunque significans primarie significatum quod non est signum artificiale; ut iste terminus: 15 *homo, animal, universale, genus, species* etc. Terminus secunde imposicionis est terminus significans primarie signum humanitus inventum, ut sunt talia: *nomen, verbum, adverbium,* etc. Termini analogi sunt isti: *ens, unum, universale, singulare, particulare, genus* etc. Et notandum quod terminus aliquid significat primarie et aliquid secundarie. Terminus significat primarie illud quod principaliter apprehenditur per illum; sicut iste terminus, *homo,* primarie vel principaliter significat hominem, scilicet naturam humanam, et secundarie significat *Johannem* vel *Robertum.* Et iste terminus, *angelus,* primarie significat naturam angelicam, et secundarie *Gabrielem, Michaelem,* et alium angelum.

signifying an idea, or conventional signs of an idea,

having one primary, and another secondary signification.

20. particiī.

10. *Prime — secunde intencionis.* ‘Intention’ is here a technical Scholastic term, signifying pretty nearly the same as ‘attention’ in our days. We attend in the first place to things, and afterwards to our thoughts of things.

CAPITULUM SECUNDUM.

'Universal' has
three meanings,
according as it
causes,
communicates
itself, or
represents
anything
universally.

Iam consequenter dicendum est de universalibus, supponendo primo quod tripliciter dicitur universale: primum est universale *causacione*, ut *Deus, sol, luna* etc.; secundum est universale *communicacione*, ut *natura humana*, sive *angelica*. etc.; et dicuntur universalia communicacione, quia sunt universales nature, communicate pluribus suppositis. Et sic natura humana communicatur omnibus individuis speciei humane, quia inest omni homini quod sit homo. Et hec natura angelica communicatur omnibus angelis, quia inest cuilibet angelo quod essencialiter sit angelus. Tercium est universale *representacione*; sicut isti termini, *homo, animal, lapis*, sive sint termini scripti, sive termini vocales, sive intenciones in anima cum illis convertibles. Et dicuntur universalia representacione, quia principaliter representant universalia a parte rei, sicut iste terminus, *homo*, representat principaliter vel primarie naturam humanam, que natura est species universalis omnium hominum, et universale a parte rei; et sic omnis talis terminus est signum et principaliter signatum per istum terminum significatum.

Five sorts of
universals in
the last sense
(*predicabiles*):
1) the *genus*,
that answers
the question
What? for many
distinct
species,

Sed notandum est quod quinque sunt universalia comunicacione, scilicet: *genus, species, diferencia, proprium* et *accidens*. *Genus* est universale *in quid*, predicabile de multis in quid *specifice distinctis*; ut, hoc *genus, animal*, predicatur *in quid*, de homine, de equo et leone; et ista tria animalia sunt *specifice distincta*. Et dicitur *animal in quid* predicari de homine et leone, quia hoc genus, *animal*, est pars quidditativa istius speciei, *homo*, et similiter istius speciei *leo*; et sic de ceteris speciebus animalium; nam querendo questionem de quidditate hominis, sic dicendo: *quid est homo?* consequens responsio est dicere quod sit animal: — *quid est leo?* — *animal*, etc.

1. cap. *deest*. 2. Initial I in red ink and Tractatus de universalibus in marg. 8. *individui* — *angelus* bottom of page.

Et hic nota quod aliquis terminus interrogativus est pro personis, ut *quis?* ut querendo, quis est iste? sequens responso est dicere, quod est Johannes vel Vilhelmus, etc. Et aliquis est terminus interrogativus pro quidditate et pro essentia rei, ut iste terminus *quid?* ut querendo quid est animal, respondendum est quod est substancia. Item, aliquis est terminus interrogativus pro 3^a qualitate vel modo; ut querendo *qualis* est homo? respondendum est quod est rationalis, vel albus, vel sacerdos; 10 quia *rationalis* est qualitas essencialis hominis, et similiter angeli; et albedo est qualitas accidentalis substancie albe. Item, aliquis est terminus interrogativus pro quantitate; 15 ut iste terminus *quantum*; ut, querendo *quantum* est hoc corpus? respondendum est quod est pedalis, vel septi- pedalis quantitatis.

Species est universale *in quid*, predicabile de pluribus solum differentibus numero; sicut hec species, *homo*, predicatur essencialiter de omnibus hominibus qui non differunt *specie*, sed solum *numero*; et sicut genus est pars 20 quidditativa speciei, sic species est pars quidditativa individui vel suppositi; ut, querendo quid est hoc? demon strando Johannem, consequens responso est dicere quod est homo.

Differencia est universale *in quale*, predicabile de multis 25 *specie distinctis*, ut hec diferencia, *rationale*, predicatur *in quale*, tam de homine quam de angelo; et illa sunt specie distincta. Eiam diferencia vocatur *specifica* diferencia, quia constituit speciem; quia *rationale*, adveniens *animali*, facit hominem; et sic *irrationale*, adveniens animali, facit 30 equum, asinum vel leonem: et sic de ceteris.

Proprium est universale *per se* predicabile convertibiliter cum specie: sicut *risibile* predicatur de homine, et hoc convertibiliter, quia quicquid est risibile est homo, et e contra. Et non refert ponere istum terminum, *homo*, 35 in loco istius termini, *risibile*, nec e contra, quantum ad veritatem prepositionis. *Rudibile* eiam est proprium asini et *hinnibile* est proprium equo; et sic omnis species habet proprium (si quis illud cognosceret) quod est convertibile cum eadem specie.

40 *Accidens* est universale quod per accidens et *non per se* inest subiecto; ut *albedo*, *nigredo*, *gressio*, *comestio*, *amor*, *odium* etc. Quia quamvis aliquid sit album vel

36. enim *pro* eiam.

(the question
What? or
Who? seeking
the essence, or
the person;

the question
How? seeking
the quality,
essential or not;

and the
question How
great? seeking
the quantity).

2) The species,
answering the
question What?
for many
distinct
individuals.

3) The
difference,
answering the
question How?
for many
species.

4) The
property,
belonging
essentially to
one whole
species, and
to only one.

5) And the
accident, that
only happens
to be present
in the
individuals.

nigrum, illud tamen potest esse cum hoc quod non sit album nec nigrum: et sic de ceteris.

Four sorts of identity:
analogical,
general,
specific and
numerical.
Analogical
identity unites
the ultimate
divisions of
Being;

Generic identity,
all the species
of the same
genus;

specific identity,
all the
individuals of
the same
species;

numerical
identity, the
different parts
of the same
substance.

Sed notandum quod quadruplex est identitas; scilicet, analogica, generalis, specialis et numeralis. Identitas analogia est inter primam causam et causatum, est inter 5 substanciam et accidentis; quia quamvis Deus, substancia et accidentis non communicant in aliquo genere, tamen convenient in ente transcendentem et analogo, quia omnia que sunt, sunt encia analogice; et sic omnia sunt idem in entitate. Alia est identitas generalis, sicut inter ho- 10 minem et angelum et inter asinum et leonem, et inter lapidem et arborem; nam homo et angelus sunt idem in substancia, que est genus generatum; et asinus et leo sunt idem in hoc genere animal, et lapis et arbor sunt idem in hoc genere corpus. Alia est identitas specifica, sicut 15 inter Sor et Platonem et inter unum angelum et alium, quia Sor et Plato sunt idem in specie humana, et duo angeli sunt idem in specie angelica, et sic de ceteris. Alia identitas numeralis, sicut est de Christo et huma- 20 nitate eiusdem, et de anima hominis et persona eiusdem; nam eadem persona in numero est Christus et eius humanitas, et eadam persona numero est iste homo et anima eiusdem; et sic ratio, voluntas et memoria sunt eadem anima in numero.

4. et generalis. 11. idem *after* sunt *deest*.

9. *Idem*. This word points out the author's Realistic tendency. Having just admitted that there is only analogy between the supreme genera of beings, another man would have written: *Omnia sunt similia in entitate*. The whole of this passage is instructive. 24. *Numerico*. In *De Apostasia* (p. 115, l. 19, 20) Wyclif narrows his definition of numerical identity very much. "There must be neither real nor even thinkable (rationis) distinction, where there is numerical identity. The sole difference is in name."

CAPITULUM TERCIUM.

Dicto jam de universalibus et identitate quadruplici tractandum est de decem predicamentis. Et notandum quod decem sunt predicamenta; scilicet: *Substancia*, *quantitas*, *qualitas*, *relacio*, *accio*, *passio*, *ubi*, *quando*, *habitus* et *posicio*; et ex istis X predicamentis solum unum est genus substancie, et novem sunt genera accidentium et tria istorum predicamentorum sunt encia absoluta, scilicet: *substancia*, *qualitas* et *quantitas*, et septem sunt encia respectiva, sicut sunt septem alia. Et dicitur ens absolutum vel quia potest per se esse, sicut est substancia, vel quia est ens non requirens aliud localiter extrinsecum pro sua essencia, sicut quantitas vel qualitas. Et dicitur ens respectivum, quia est respectus inter duo, sicut accio et passio est inter agens et passum; et quia non potest agere, nisi agat in aliquod passum, sic omnis relacio est inter dua relata, ut similitudo inter dua res, et differencia est inter duas.

Substancia est *ens per se stans*, et *accidentibus absolutis* *substans*; sicut homo est subiectum albedinis, quantitatis, coloris et sciencie; et ista sunt accidentia absoluta, etc.

Definition of substance, quantity,

Quantitas est *forma denominans substanciam esse formaliter quantum*; ut: linea, superficies.

quality, relation,

Qualitas est *forma denominans subiectum esse formaliter quale*, ut color, albedo, caliditas, etc.

Relacio est *respectus formaliter referens aliqua ad invicem*; ut: similitudo, fraternitas, differencia etc.

1. Capitulum Tercium *deest*; Sequitur de predicamentis *in red ink in marg.* 2. *Initial D in blue ink.*

9. *Quantitatis.* Notice that Wyclif admits as yet the existence of 'absolute accidents'; though as, in the third part of *Logica*, he speaks doubtfully of the possibility of their self-subsistence, he probably merely intends here to oppose *absolute* and *relative* accidents.

- action, Accio est *respectus denominans subiectum formaliter agere*; ut: calefacio, frigefacio, secacio.
- passion, Passio est *respectus denominans substanciam formaliter pati*; ut: secari, uri; quia adustio passiva denominat substanciam formaliter aduri etc. 5
- locality, Locus est *respectus denominans substanciam formaliter locari*.
- time, Quando est *respectus denominans subiectum esse in tempore*; ut: hora, dies, annus.
- belonging, Habitus est *respectus denominans subiectum formaliter 10 habituari*; ut armacio denominat hominem armari; calceacio denominat hominem calceari.
- and position. Posicio est *respectus denominans aliquem formaliter ponni*; ut sessio, stacio etc.

14. It may be interesting to quote here the mnemonic distich that contains the ten *predicamenta* or categories: *Arbor* (Subst.) *sex* (Quant.) *servos* (Rel.) *ardore* (Qual.) *refrigerat* (Act.) *ustos* (Pass.); *Ruri* (loc.) *cras* (time) *stabo* (position), *sed tunicatus ero* (belonging).

CAPITULUM QUARTUM.

In omni predicamento est dare unum principium, quod
est metrum et mensura omnium aliorum contentorum in
illo predicamento: sicut primum principium de predi-
camento substancie est *deus*, et ipse est super omnem
substanciam creatam; primum principium de predica-
mento quantitatis est *unitas*, quia unitas est principium
tam quantitatis continue quam discrete; primum princi-
pium de predicamento qualitatis est *gradus*, quia omnis
10 latitudo qualitatis componitur ex gradibus; primum princi-
pium de predicamento relacionis est *dependencia*; primum
principium de predicamento actionis est *contemplacio
intelligencie*, quia per illam actionem formabitur alia
omnis accio; primum principium de predicamento pas-
sionis est *recepcio prime materie*; primum principium de
predicamento 'ubi' est *situs puncti*, quia totus situs mundi
componitur ex sitibus punctalibus; primum principium
de predicamento 'quando' est *indivisible instans*, quia,
sicut mundus componitur ex punctalibus, sic tempus
20 componitur ex instantibus; primum principium posicio-
nis est *situs centri*, quia posicio est respectus inter
corpus positum et illum situm; primum principium
habitus est *habitus vel habere*.

1. Cap. deest. 2. Initial I in red ink. 3. meta.
-

CAPITULUM QUINTUM.

Proposiciones in general. Proposicio large loquendo est *ens complexe significans*; et sic, quia omne quod est significat complexe se esse, omne quod est satis bene potest dici proposicio. Sed multo contraccius diffinitur proposicio vel describitur, 5 secundum quod est oracio artificialiter inventa, sic: proposicio est *oracio indicativa, congrua, verum vel falsum significans, et perfectum intellectum reddens*. Vel: proposicio est *ratio indicativa, congrua, significans complexe sicut est vel sicut non est*; ut ista proposicio: *homo est*,¹⁰ signat primarie sicut est et complexe; et ideo est vera; et hec proposicio, ‘nemo est’ significat primarie complexe sicut non est; et ideo illa est falsa. Sed notandum quod duplex est primaria significacio: scilicet, naturalis et

A proposition, widely and strictly defined; always true in so far as it always means something; but it may mean what is not. A proposition, artificialis. Primaria significacio naturalis proposicionis est 15 illa mediante qua proposicio significat naturaliter se primaria significacio artificialis est illa mediante qua proposicio significat ex impositione idiomatis veritatem sicut est, vel sicut non est; sed hec proposicio, *Deus est*, primarie ex impositione significat istam veritatem, scilicet, *Deum esse*; et ista proposicio, *homo est*,²⁰ primarie ex impositione significat *hominem esse*; et ista proposicio, *nullus Deus est*, significat primarie ex impositione sicut non est, nec possibile est esse.²⁵

Sed notandum quod quintuplex est proposicio, scilicet:
Divisions: *mentalis, vocalis et scripta proposicio; realis*, ut quelibet mental, verbal, written, real, and true propositions.

A *mental* proposition may mean four different things. Proposicio mentalis est in anima, et ipsa potest intelligi quadrupliciter. Aliquando capitur pro intencionibus ade- 30 quate et complete inclinantibus ad aliqualiter componendum vel dividendum. Secundo modo capitur pro actibus aggregatis, que sunt circa proposicionem compositam ex

1. Capitulum quintum deest. 2. Initial P in blue ink.

intencionibus. Tercio modo capitur pro actu complexo correspondenti toti proposicioni. Et quarto, accipitur proposicio mentalis pro illa anima.

Proposicio in voce componitur ex vocibus successive 5 prolatis etc. Proposicio in voce est quamdiu aliqua pars eius est, quia non est res successiva, sicut tempus.

A verbal proposition exists while any one of its parts, successively uttered, exists.

Proposicio scripta est aggregatum ex terminis scriptis, cum significacione sua complexa. Et quamvis proposicio scripta non significat nobis, tamen continue significat se 10 ipsam Deo, et similiter qualiter imponitur ad significandum primarie.

A written proposition has its own meaning; if not to us, to God.

Proposicio realis est, ut *iste homo, iste lapis* etc. quia sicut in alia proposicione est subiectum et predicatum et copula, sic in *isto homine* est dare istam personam, que est pars subiecta speciei humane, que est tamquam subiectum; et est dare similiter naturam humanam, que essencialiter inest isti homini tamquam predicatum, et realiter predicatur de isto homine. Et est dare essenciam istius hominis, que est realis copula copulans istum hominem cum sua natura. Et sicut in proposicione artificiali predicatum dicitur de subiecto, sic in ista proposicione reali, *iste homo*, est essencialiter et realiter natura humana.

A real, or thing-proposition is any individual; the hypostasis is the subject, the specific nature the attribute and the individual nature (istius hominis) the copula.

Quinta proposicio est veritas significata a parte rei, sicut ista veritas: *hominem esse*, est veritas complexe, quia verum 25 complexum; et hec est causa qualiter debet dici proposicio.

Proposicionum alia kategorica, alia hypothetica. Kategorica est illa que habet unum subiectum et unum predicatum, et unicam copulam principalem, sicut est talis: *Homo est animal*. *Ly* "homo" est subiectum et *ly* 30 "animal" predicatum, et hoc verbum, *est*, est copula. Et dico, principalis copula, quia aliquando sunt due copule in proposicione kategorica; ut: *hic Sor qui vivit est animal*. Hec sunt duo verba, scilicet *vivit* et hoc verbum *est*, quorum quodlibet est copula; sed primum 35 verbum non est copula principalis, sed secundum verbum, but the copula never can be principal when the subject is a relative.

24. quam *pro* quia.

11. *Significat — deo*. This may allude to obscure passages of Holy Writ, of which the present work is intended to be the Logic. 22. *Iste homo*. We must not suppose that Wyclif considers the demonstrative mention of a man to be a real proposition. He means the man himself, *qua* giving grounds for some affirmation or other. Cf. p. 14, l. 26, 27. 29. *Ly* is old French for *the* = the word; its use in philosophical and theological works was common at one time. St. Thomas employs it very often.

scilicet hoc verbum, *est*; quia nullum tale verbum cui relativum reddit suppositum est principale verbum.

Different sorts
of categorical
propositions;
compound or
simple;

Aliquando componitur proposicio kategorica ex subiecto simplici et predicato simplici: ut, *hic homo est animal*. Aliquando componitur ex subiecto composito et 5 predicato composito; ut: *homo virtuosus est bonum animal*; quia in hac propositione iste terminus, *homo*, non est subiectum vel suppositum, sed totus iste terminus compositus: *homo virtuosus*, quia totum subiectum supponit, et nulla eius pars; et eodem modo dicendum est de 10 predicato. Sciendum etiam est quod nullum syncategorema est subiectum vel pars subiecti; ut quando dicitur *omnis homo currit*, hoc syncategorema, *omnis*, non est subiectum nec pars subiecti; et sic de universalis negativa.

*affirmative or
negative:
affirmative,
when the
principal verb
is affirmed,
negative in the
contrary case.*

Propositionum alia affirmativa, alia negativa. Affirmativa est illa, in qua principale verbum affirmatur; ut: *Deus qui non movetur, est immobilis*. Hic sunt duo verba, quorum unum affirmatur et aliud negatur; sed quia hoc unum, *est*, est principale verbum, et illud affirmatur; ideo proposicio debet dici affirmativa. Negativa est illa in 20 qua principale verbum negatur: ut *hic*; *Deus qui causat non est causatus*. In hac propositione, hoc verbum *est* est principale verbum; et quia illud negatur, tota proposicio debet dici negativa. Et sic de ceteris.

A proposition is
universal, when
the subject, a
general term,
is affirmed or
denied distribu-
tively by *omnis*
or *nullus*;

Propositionum alia *universalis*, alia *particularis*; alia 25 *indefinita*, alia *singularis*. Universalis est illa in qua subiicitur terminus communis signo universalis | determinatus: ut; *omnis homo est animal*, et; *nullus homo est animal*; in illa propositione affirmativa hoc subiectum, *homo*, distribuitur per hoc signum universale, *omnis*; 30 et in universalis negativa distribuitur hoc subiectum, *homo*, per hoc signum universale, *nullus*.

particular,
when the subject
is affirmed, &c.
distributively by *est sanctus*.
aliquis;

Particularis est illa in qua subiicitur terminus communis, signo particulari determinatus; ut, *aliquis homo, aliquis* 35 *est sanctus*. In ista propositione, hoc subiectum, *homo*, determinatur per hoc signum particulare, *aliquis*, ad supponendum particulariter.

indefinite, when
it is preceded
by no sign;

Proposicio indefinita est illa in quod subiicitur terminus communis sine signo aliquo universalis vel parti-

12. pars subiicitur *pro* pars subiecti.

2. *Cui . . . suppositum.*" A verb to which a relative renders the subject. In *Sor qui vivit*, *Sor* becomes the subject of *vivit* by means of *qui*.

culari precedente; et iste terminus, *homo*, est terminus communis.

Proposicio singularis est illa in qua subiicitur terminus *singular*, when distinctus vel singularis; [*distinctus*,] ut in ista proposicione, ^{it is either a proper noun or a demonstrative pronoun.} *Sor currit*; *singularis*, ut in ista proposicione, *hic currit*;

quia, ut dictum est, propria nomina sunt termini discreti, et pronomina demonstrativa sunt termini singulares.

Et sciendum quod alia est *qualitas* proposicionis, et ^{The quality of a proposition is its affirmation or denial; the quantity is the degree of its universality.} 10 alia *quantitas*. Qualitas proposicionis est affirmacio vel negacio. Sed quantitas proposicionis est universalitas, particularitas, indefinita vel singularitas; et ideo oportet diversimode respondere ad questiones quesitas de proposicionibus. Ut, si queratur *quanta* est ista? respondendum 15 dum est quod *universalis*, vel *particularis*, vel *indefinita*, vel *singularis*, secundum quod proposicio habet se in quantitate. Et si queratur, que est ista? respondendum est *cathegorica* vel *hypothetica*. Et si queratur *qualis* est ista? de aliqua proposicione, respondendum est quod 20 *affirmativa* vel *negativa*. Ad cognoscendum hoc datur versus:

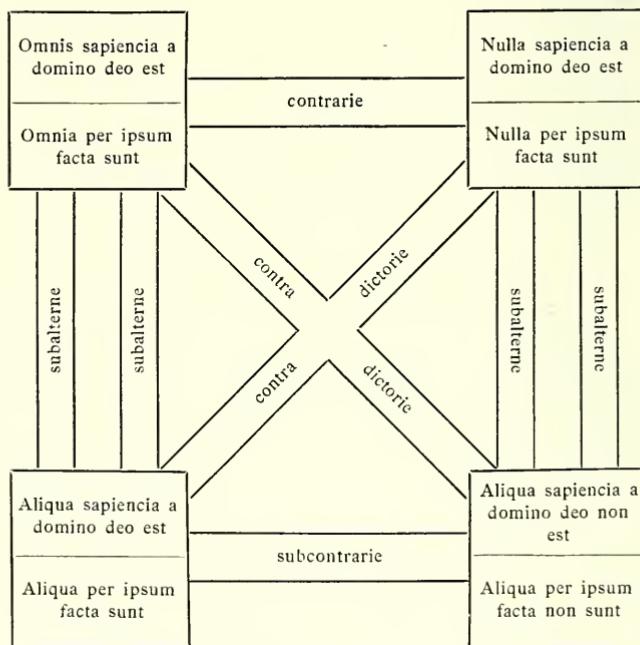
Que? *ka*, vel *ip*; *qualis?* *ne* vel *aff*; et *quanta:* *par*, *in*, *sin*.

4. *distinctus deest.* 9. *aliqua.*

23. The explanation of this hexameter is as follows: *Ka* = categorica; *ip* = hypothetica; *ne* = negativa; *aff* = affirmativa; *par* = particularis; *in* = indefinita (it is perhaps a slip of the pen for *un* (*universalis*)); and *sin* = singulare. It is seen that one form of the quantity of propositions is here left out.

CAPITULUM SEXTUM.

Ad cognoscendum repugnanciam vel contrarietatem inter propositiones, tam singularis numeri quam pluralis, datur talis figura:



Lex et natura contrariarum talis est, quod si una sit 5 vera, reliqua erit falsa, tam in terminis substancialibus quam in terminis accidentalibus; ut, si hec sit vera: *omnis sapientia a domino deo est*, hec est falsa: *nulla*

1. Cap. deest. 5. Initial L in red ink.

sapiencia a domino deo est; et e contra. Similiter si hec sunt vera: omnia per ipsum facta sunt; hec erit falsa: nulla per ipsum facta sunt, et e contra. Si hec vera: nulla per ipsum facta sunt, hec erit falsa, omnia per ipsum facta sunt. Sed ista non potest esse falsa: *omnia per ipsum facta sunt*, de potestate Dei ordinata.

Contrary propositions cannot both be true unless the sense is changed.

Et si arguitur quod sic, quia *aliqua per ipsum facta non sunt*, ergo *non sunt per ipsum omnia facta*: hic dicitur negando consequenciam propter equivocationem. Et arguitur ulterius, probando quod *aliqua per ipsum facta non sunt*, per hoc quod pater et filius et spiritus sanctus sunt *aliqua*, et illa *per ipsum facta non sunt*: ergo *aliqua per ipsum facta non sunt*. Dicitur, concedendo quod “*omnia per ipsum facta sunt*”, et *negando* quod “*aliqua per ipsum facta non sunt*” si iste terminus, *aliqua*, supponit precise pro illis distributive, pro quibus supponit subiectum in universali distributive; quia in ista propositione, *omnia per ipsum facta sunt*, distribuitur hoc subiectum implicite, *res*, solum pro *causatis*; ita quod iste sit sensus: *omnes creature per ipsum facte sunt*; et hoc est verum. Et si subiectum in suo contradictorio supponat precise pro eisdem distributive, tunc illa est falsa, quia tunc illa ita significat quod aliique creature per ipsum facte non sunt; et illa est falsa.

Sed notandum quod in predicacione indirecta et in terminis accidentalibus possunt simul duo contraria esse falsa. Exemplum primum est tale; ista duo contraria sunt simul falsa: *Omnis homo est episcopus*; et: *nemo est episcopus*; quia iste terminus *episcopus* est simul terminus accidentalis. Predicacio directa est quando terminus inferior subiicitur et terminus superior predicitur; ut: *homo est animal*; predicacio indirecta est quando terminus superior est subiectum et terminus inferior est predicatum; ut: *hoc animal est homo*.

Lex et natura subcontrariarum est, quod si una est vera, reliqua erit falsa, in omnibus terminis substantiis; ut, si hec sit vera: *aliquid animal est*, hec erit falsa: *aliquid animal non est*. Sed in terminis accidentibus possunt simul esse vere, vel simul false; ut, si

8. sicud pro hic.

6. *Ordinata*. This means that, though God's essence did not necessitate Him to create, His Wisdom did; which I believe is an idea peculiar to Wyclif.

Contrary propositions may be both false, when the predicate is an accidental term.

Subcontrary propositions, when the terms are accidental, may both be either true or false.

aliquis homo currat et aliquis homo sedeat, tunc sunt iste due vere: *aliquis homo currit*, et *aliquis homo non currit*, et si quilibet homo currit, tunc est una vera et alia falsa.

Of two contradictory propositions, one is always true and the other false.

The truth of subalternate propositions depends on that of the more universal of the two.

Rules for judging when, and in what place, any two propositions can be put in the above diagram.

A proposition of two words is categorical;

Lex et natura contradictiarum talis est quod, si 5 una est vera, reliqua erit falsa in omnibus terminis, et nulla est excepcion; ut si hec est vera: *quilibet homo est virtuosus*, hec erit falsa: *aliquis homo non est virtuosus*.

Lex et natura subalternarum talis est quod si universalis est vera, sua particularis erit vera et non e contra; 10 ut si hec sit vera: *omnis sapiencia a Domino Deo est*, hec erit vera: *aliqua sapiencia a Domino Deo est*; et si hec erit vera: *omnia per ipsum facta sunt*, hec erit vera: *aliqua per ipsum facta sunt*; et sic de negativis.

Et notanda est una regula generalis ad respondendum 15 ad tales propositiones qualiter stant in figura; et querendo quomodo stant in figura? *Omnis sapiencia a domino deo est*; et: *nulla sapiencia a Domino Deo est*, dicitur quod contrarie, quia universalis affirmativa et universalis negativa de consimilibus predicatis subiectis et copulis 20 et terminis precise pro eisdem suppositionibus contrarie stant in figura. Et sic respondetur de aliis figuris secundum quantitates propositionum. Et hoc nota quod oportet quod talia que stant in figura fiant de consimilibus subiectis, predicatis et copulis; quia talia non stant in 25 figura: *omnis sapiencia a domino deo est*, et *nulla virtus a domino deo est*, quia ista duo subiecta, scilicet *sapiencia* et *virtus*, non sunt termini synonimi. Et oportet ulterius quod termini precise pro eisdem supponant, quia ista non stant in figura: *omnis homo est* et *aliquis homo non est*; 30 quia subiectum in universalis supponit tam pro masculis quam femellis; quia tam signum universale quam subiectum per ipsum distributum est omnis generis, sed subiectum in particulari non supponit nisi solis pro masculis; quia hoc signum particulare *aliquis* est solum 35 masculini generis. Et per hoc determinatur hoc subiectum, *homo*, ad supponendum solum pro masculis.

Et notandum, cum queritur: Que est ista, *homo est*? respondendum: *Est categorica*. Sed contra; *categorica est*

14. *Negativis*. We may add that the falsity of subalternate propositions depends on that of the less universal of the two. For instance, *all men are quadrupeds*, and *some men are quadrupeds*.

illa que habet unicum subiectum et unicum predicatum et copulam; sed hic deficit predicatum: ergo hec non est categorica. Hic dicitur quod hec proposicio habet predicatum, quia hoc verbum, *est*, in ista propositione et in omni simili ubi nichil sequitur, idem est copula quod predicatum; quia secundum communes regulas, aliquando hoc verbum, *est*, predicit secundum adiacens et alii quando tertium adiacens; predicit secundum adiacens, quando nullus terminus subsequitur illud verbum, ut hic: *homo est*. Et predicit tertium adiacens quando est aliquid predicatum signans, ut hic: *homo est animal*. Nota quod tria sunt adiacencia in propositione, quamvis non in omni. Primum adiacens est subiectum, secundum adiacens est copula, et tertium adiacens predicatum. Sed in ista propositione, *homo est*, hic verbum, *est*, predicit secundum adiacens, sed non est secundum adiacens nisi se ipsum: ergo predicit se ipsum. Et si predicit se ipsum, tunc est predicatum a se ipso et per consequens predicatum.

for its verb comprises the predicate and is then said to predicate the second adjacent; the three adjacents being the subject, the copula, and the predicate respectively; *a man is*, signifies, a man is being.

16. *nomē pro non.*

19. Wyclif omits as unnecessary to his subject to notice that in some cases a whole proposition is made up of one word, the verb is said to 'be of the first adjacent'. We may note that what he says here is often applied in the *Logicae Continuatio*.

CAPITULUM SEPTIMUM.

Equipollence is the equivalence of two propositions to each other, caused by a negation:

Equipollencia est *equivalencia duarum propositionum ad invicem, causata per negacionem*. Et hoc contingit tripli- citer; vel sic quod negacio preponatur, vel postponatur, vel 3º quod sit negacio tam preposita quam postposita; 5 ut patet per istum versum:

Pre, contradic; post, contra; pré postque, subalter.

A negation placed before the subject of a proposition gives it a contradictory meaning; when placed after, it renders the meaning contrary;

Qui versus sic intelligitur. | *Pre, contradic.* Hic est, 5º quando negacio preponitur signo universalis vel particulari in aliqua proposicione, tunc facit propositionem equi- 10 pollere illi proposicioni que fuit contradictorium ante adventum illius negacionis, ut hec proposicio: *Non omnis, qui dicit mihi, domine, domine, introibit in regnum celorum*; equipolleth huic: *Aliquis homo, qui dicit mihi: domine, domine! non introibit in regnum celorum*. Et ista proposicio, *non nulli sunt fatui*, equipolleth huic: *Aliqui vel multi sunt fatui*. — *Post contra*. Hoc est, quando negacio postponitur signo universalis immediate ante verbum principale, equipolleth suo contrario; ut ista proposicio: *Omnis egenus et mendicus non erit inter vos*, equipollent huic: 20 *Nullomodo egenus et mendicus erit inter vos*: quia isti duo termini omnino convertuntur. Et ista proposicio: *Omne opus servile non facietis in sabbato*, equipolleth huic: *Nullum opus servile facietis in sabbato*. Et ista proposicio: *Omne mendacium ex veritate non est*, equipolleth huic: 25 *Nullum mendacium ex veritate est*. Et ista proposicio: *Omnis fornicator aut invidus aut avarus non habet partem in regno Dei*, equipolleth huic: *Nullus fornicator aut invidus aut avarus habet partem in regno Dei*. — *Pre postque*

1. Cap. deest. 2. Initial E in blue ink. 21. n^o.

29. These examples, taken from Scripture, serve to justify Wyclif's assertion (*see Proemium*) that this work is the Logic of 'Holy Writ'. There are plenty of them throughout the book.

subalter. Hoc est: quando negacio preponitur et postponitur signo universali aut particulari, equipollet huic proposicioni, que fuit subalterna illius ante adventum negacionum, ut ista proposicio: *Non omnis angelus non est virtuosus* equipollet huic: aliquis angelus est virtuosus. Et ista proposicio: *Non nullus angelus non est virtuosus*, equipollet huic: *Aliquis angelus non est virtuosus*.

placed before
and after, it
turns it into
a subalternate.

4. non est.

CAPITULUM OCTAVUM.

Essential and modal propositions defined. Notandum quod aliqua proposicio est *de inesse*, et aliqua modalis. Proposicio *de inesse* est *oracio indicativa congrua non determinata modo modali*, ut hec: *Deus est, homo est* etc. Proposicio modalis est, *cui additur terminus 5 modalis modificans compositionem indicativam vel infinitivam*; ut sic, *necessario homo est*; vel sic: *necesse est hominem esse; necesse est ut veniant scandala*, vel sic: *Impossibile est quod non veniant scandala*. Omnes tales sunt propositiones modales.

Modal terms render propositions properly modal, only when taken in the compound, not in the divided sense. Sed notandum quod de talibus propositionibus, in quibus ponitur terminus modalis, aliqua sumuntur in sensu composito et aliqua in sensu diviso; quia quandoque cuncte terminus modalis aut officialis precedit totaliter in propositione et finaliter sequitur, vel mediate; si 15 illa proposicio verificatur pro aliquo communi, tunc est sensus compositus. Ut: *necessario homo est, homo necessario est*, et *hominem esse est necessario*; quelibet istarum

And they are known to be taken in the compound sense if the sentence means the same in whatever place the modal terms stand. verificatur pro natura humana communi, quod illa necessario est. Sed si talis proposicio verificetur pro singulari et pro isto vel pro isto homine, tunc est sensus 20 *dirisus*, ut hic: *Aliquem hominem necesse est esse*, quia ista sic debet probari: *istum necesse est esse, et iste est aliquis homo*: ergo etc. Sed ista, *necessario homo est* debet sic probari: *homo est*, et (de via nature) non potest 25 *esse quin homo sit*, ergo *necessario homo est*.

1. Cap. deest. 2. Initial N in red ink.

13. Perhaps a better because more striking example of the compound and divided sense would be the following sophism: Qui videbat ante mille annis est mortuus *hodie*; sed Alexander Magnus vivebat ante mille annos; ergo Alexander Magnus est mortuus *hodie*. According as *hodie* is taken modify *est* and *mortuus* together or made only to modify *est*, there are two very different senscs.

Sed notandum quod multis modis dicitur *necessarium*. Different senses of the word
necessary;
 Aliquando omne utile dicitur *necessarium*, ut sic vestes et cibi sunt *necessarii*. Sed alio modo capitur pro tali
quod repugnat non esse, et sic aliquod est *necessarium simpliciter* et aliquod *necessarium per accidens*. Neces-
 sarium *simpliciter* est, quod *non potest nec potuit nec poterit esse falsum*, ut: *deum esse*¹. Et ista proposicio:
necesse est deum esse debet sic exponi: *Deus est; et non potest esse quin deus est*; ergo *necesse est deum esse*. Vel debet sic officiari: *Hec proposicio est necessaria: deus est, que primarie significat 'deum esse'*, vel *'necessario deus est'*. *Necessarium per accidens* dicitur tribus modis; scilicet *necessarium quoad naturam*, *necessarium quoad ordinacionem* et *necessarium quoad prescienciam Dei*. *Necessarium quoad naturam* est, quod *a nulla natura creata potest impediri quin sit*; ut, quod ego fui, quod mundus fuit. Sed Deus potest facere quod ego non fui et quod mundus non fuit; et ista proposicio: *necessario mundus fuit*, debet sic probari: *mundus fuit et (de via nature) non potest non fuisse*; ergo *necessario mundus fuit*. *Necessarium quoad ordinacionem* est tale | *quod est vel erit ordinatum a deo*; ut si ego ero cras, tunc *necessario* ego ero cras, et ista proposicio debet sic probari: *ego ero cras, et repugnat (isti ordinacioni divine) quod non ero cras*; ideo *necessario ero cras*. *Necessarium quoad prescienciam* est tale *quod non est ordinatum, sed prescitem a Deo*; ut, *'necessario ego peccabo'*. Ista debet sic exponi: *Ego peccabo, et repugnat (presciencie divine) quod non peccabo*; ergo etc. Item, *'Necesse est ut veniant scandala'*, debet sic probari: *talis proposicio est necessaria: 'scandala evenient, que primarie significat 'scandala evenire'*; ergo etc. Vel: *scandala evenient, et repugnat (presciencie divine) scan-*

*4. natural,
antecedent, or
consequent;*

9. potest non. 9—11. vel debet — necessario deus est *in marg.*

18. This is a doctrine peculiar to Wyclif. Aquinas, in his *Summa contra Gentiles*, asserts that God cannot make the past not to have been; and he is followed by the whole School. Wyclif states the same opinion again, further on. But he seems to contradict it decidedly in the third part of *Logica* and elsewhere. Mr. Matthew suggests the substitution of *potuit* for *potest* on l. 17, and p. 28, l. 30. 19. *Probari* is here and elsewhere employed for *exponi*. It is clear that it is not a syllogistic demonstration, since the second premise contains the whole of the conclusion. Some A is B; no A is not B; . . . every A is B.

dala non evenire: ergo necesse est ut scandala eveniant. Item, aliqua est necessitas *naturalis*; ut si ignis sit applicatus ad aliquod combustibile subdominans, tunc necessario incipit agere vel agit in idem. Aliqua est necessitas *antecedentis* et aliqua necessitas *consequentis*; ⁵ necessitas antecedentis exemplo proposito est accio ignis; et aliqua est necessitas *volacionis* et aliqua necessitas *coaccionis*. Necessitas volacionis est, ut: si Deus vult Petrum esse, tunc necessarie Petrus est. Necessitas coaccionis est, sicut quando aliquis homo cogit suum ¹⁰ captivum, vel servum, ad faciendum aliiquid, vel ad relinquendum etc. Necessitas coaccionis accidit quando homines coguntur transire ad suspensionem vel aliiquid odibile, contra voluntatem.

5. *Voluntary or constrained;*

Meanings of 'contingent':
1. A modal or a substantive sense; modal if it stands for the verb 'happen'; and then 2. it either includes or does not include the possibility of its contrary,

in which latter case it is subordinate to necessity, and means the same as possible.

A substantive sense, when taken as a noun;
3. it then is contingent either as a mere happening, triplex est contingens natum, scilicet: contingens *semper* ⁴⁰ or by nature:

Sed nota quod multis modis dicitur *contingens*. Ali- ¹⁵ quando iste terminus, 'contingens', capitur *modaliter* et aliquando *nominaliter*. Modaliter capitur, quando per viam circumlocucionis implet vicem istius verbi impersonalis *contingit*, ut hic: *Contingens est hominem esse*, tantum valet sicut ista: *Contingit hominem esse*. Sed ²⁰ aliquod est contingens *valens ad opposita*, et aliiquid contingens *non valens ad opposita*. Contingens *valens ad opposita* est tale *cuius oppositum potest evenire*; ut, quod 'ego sum bonus', est contingens *valens ad opposita*; quia, quamvis nunc sim bonus, postea possum esse ²⁵ cum hoc quod non sim bonus, precipue moraliter. Et omne tale dicitur contingens ad utrumlibet. Contingens *non valens ad opposita* est contingens *cuius oppositum non potest evenire*: ut, 'Deum esse est contingens non valens ad opposita'; quia oppositum eius nullo ³⁰ modo potest evenire. Et isto modo contingens subalteratur necessario, et non contradicit sibi; ut, si 'necesse est Deum esse' tunc 'contingens est Deum esse' vel 'contingit Deum esse'. Et eodem modo dicitur possibile. Et hoc est quod vult Philosophus: *Cuicunque debetur* ³⁵ *possibile, eidem debetur contingens. Nominaliter* capitur iste terminus, quando sumitur nominaliter *pro veritate que est et potest non esse*. Et duplex est tale contingens: scilicet, contingens *natum*, et contingens *ad utrumlibet*. Et ulterius, contingens *natum*, scilicet: contingens *semper* ⁴⁰

15. mōr. 25. mōrlr.

3. *Subdominans*. I suppose this word here means 'from underneath', and applies to *ignis*, not to *combustibile*.

et contingens in maiori et contingens in minori. Contingens semper est contingens natum cuius est causa effectiva quoad hoc, non impedibilis, naturaliter ordinata; ut sunt eclipses, et coniunctiones, et ortus. Est modus loquendi quod sit semper contingens, non absolute quoad tempus, sed condicionaliter, quoad causam; quia semper, absque substancia; [ut] si fuerit diametralis interposicio terre inter solem et lunam, causatur eclipsis lune. Et semper, quando luna subponitur vel superponitur soli, sic quod sol non mittat suos radios versus illam partem lune que respicit versus terram, tunc causatur coniuncio: etc. Contingens in maiori parte est contingens natum cuius est causa effectiva quoad hoc impedibilis naturaliter ordinata; ut natura ordinavit quod homo nasceretur precise cum quinque digitis in una manu: et sic in maiore parte contingit, sed non contingit semper, quia aliquando procreatur monstrum cum sex digitis in una manu, et agnus cum duobus capitibus. Et hoc est preter principalem intentum nature; et ideo vocatur contingens in minori, quia in minori parte sic contingit; et sic omne quod producitur, cuius non est aliqua causa effectiva et naturaliter ordinata ad hoc, est contingens in minori: ut sunt peccata, et monstra in natura.

Ulterius notandum quod quadrupliciter dicitur *impossibile*; scilicet impossibile simpliciter, impossibile quoad naturam creatam, impossibile quoad nos et impossibile quoad prescienciam Dei. Impossibile simpliciter est tale, quod nec potest nec potuit nec poterit esse verum; ut hec proposicio: 'nullus Deus est'. Impossibile quoad naturam est tale, quod de natura creata non potest esse verum, primarie significando, ut est talis proposicio 'sol non movetur'; 'nemo est animal'. Impossibile quoad nos est tale, quod non potest esse de potentia nostra; ut est talis: *avarus non introibit in regnum celorum*; quia impossibile est quoad nos avarum introire in regnum celorum, sed non est impossibile quoad Deum. Et isto modo debet intelligi: *Quae impossibilia sunt apud homines possibilia sunt apud Deum*; et sic idem est possibile et impossibile. Et ad istum sensum dicit apostolus: *Impossibile est enim eos, qui semel illuminati sunt et gustaverunt donum celeste, participes facti sunt spiritus sancti, gustaverunt nihilominus*

7. *sb'a*; *ib.* *ut deest.* 12. *a^{mi}.* 27. *quoad istam.*

the latter divided into what happens always, mostly, or seldom;

according as an event takes place in all cases when its cause is posited,

or in most cases,

or only exceptionally.

Four meanings of *impossible*:

1. *absolutely*: that which at no time can be

Irue;

2. *naturally*: that which is not true of created nature;

3. *quoad nos*: that which is impossible for man;

and 4. God fore-*bonum Dei verbum virtutesque seculi venturi et postea* Hebr. *knowing;*
that which is *prolapsi, iterum ad penitenciam scilicet renovare:* hoc est VI, 4
impossible, impossible quoad homines. Impossible quoad prescien-
tia given the
prescience of
God.

sciam Dei est tale, *quod est falsum et repugnat pre-*
sciencie divine illud non esse falsum; sicut est ista pro- 5
posicio: ‘Scandala non evenient’. Et ideo dicit evan-
gelium: *Impossibile est quod non eveniant scandala,* quia
est una regula philosophorum, quod ad ‘impossible’ se-
quitur ‘necesse’. Non sic intendo istas proposiciones quasi
una esset simpliciter necessaria et alia simpliciter impos- 10
sibilis, sic quia una est necessaria ad presciam Dei
(ista: ‘scandala evenient’), et alia impossibilis quoad
presciam Dei (scilicet ista: ‘scandala non evenient’).
Omne enim tale quod potest esse, potest dici possibile.

When a proposition has to be contradicted, the whole ought to be denied.

Sciendum quod in dando contradictorium proposi- 15
tionis modalis oportet ponere negacionem toti, ut con-
tradictorium istius: ‘Necesse est ut veniant scandala’,
est hoc: *Non necesse est ut veniant scandala.* Et contra-
dictorium istius: *Impossibile est ut non veniant scandala,*
est hoc: *non impossibile est ut non veniant scandala.* Et 20
contradictorium istius: *Necesse est hominem esse,* est
hoc: *Non necesse est hominem esse etc.*

Remark that any attribute that is not of God's essence, might, absolutely speaking, be wanting.

Notandum hic: quicquid non essencialiter inest Deo,
sed accidentaliter, potest deesse Deo de potentia ab-
soluta Dei; et quia talis non est nisi accidentalis, 25
faciens aliquid dominare temporaliter (et pretericio et
futuricio sunt accidentia) ideo insunt Deo accidenta-
liter, pro adiacencia temporis, quod ipse *fuit vel est* in
tempore, vel *erit:* et omne tale potest deesse Deo.
Igitur Deus potest facere quod nullum tempus fuit, vel 30
est, vel erit; et si sic fieret, tunc Deus solum esset in
mensura eternitatis; et sibi inesset purum *esse* eterno
et non preterito vel futuro. Sed de prima ordinacione
Deus non potest sic facere, sed de potentia absoluta.
Et sic dicunt theologi quod Deus fuit ante mundum 35
eternaliter et non temporaliter.

20. ut veniant.

30. See note *supra*, p. 25.

CAPITULUM NONUM.

Post cognitionem propositionis categorice, restat A hypothetical cognoscere propositionem hypotheticam. Et sciendum, quod proposicio hypothetica est que componitur ex duabus propositionibus categoricis, mediante aliqua nota. Septem enim sunt species hypothetice, scilicet: *copulativa*, *distinctiva*, *condicionalis*, *causalis*, *comparativa*, *localis* et *temporalis*.

Copulativa est, que principaliter subordinatur actui hypothetico copulativo; ut hoc: *Vidit Deus cuncta que fecerat et erant valde bona*. Et est copulativa vera, quando ambe partes eius sunt vere. Et vocatur actus hypotheticus comprehensio anime, adequate correspondens toti propositioni.

Disiunctiva est illa que principaliter subordinatur actui hypothetico disiungendi, ut est ista: *Deus est, vel nullus homo est*. Et est disiunctiva vera, quando altera eius pars est vera. Note copulandi sunt iste: *et, atque, ac, nec, neque etc.* Note disiungendi, sunt iste: *vel, aut, seu, ve, etc.*

Condicionalis est illa que principaliter subordinatur actui hypothetico condicionata; ut hoc: *Si creatura est, creata est; si homo est, animal est*. Et est condicionalis vera, quando consequens | formaliter intelligitur in antecedente; ut: *si Deus est, ipse est omnipotens*. Illa proposicio que immediate sequitur hoc nomen *si*, est *antecedens* in condicionali, et alia proposicio est *consequens*; ut ista proposicio: *Deus est, est antecedens, et ista proposicio: ipse est omnipotens, est consequens*. Et hoc consequens, *ipse est omnipotens*, formaliter intelligitur per hoc antecedens: *Deus est*. Similiter de talibus: *Si Petrus est caritatus, ipse est virtuosus*, ista condicionalis est

1. Cap. deest. 2. Initial P in blue ink. 3o. *ipse est omnipotens est consequens et hoc antecedens before ipse.*

bona, quia 'esse virtuosum' formaliter intelligitur 'in esse caritativum'; et quia impossibile est aliquid esse caritativum, nisi fuerit virtuosum. Nota quod quelibet condicionalis bona convertitur cum consequencia bona; ut iste duo convertuntur: *si tu es caritativus, tu es virtuosus*, et: *Tu es caritativus: ergo, tu es virtuosus*.

4. *Causal*, when the two parts are joined by hypothetic causandi; ut: *quia tu es homo, tu es rationalis*; *quia tu es virtuosus, tu es bonus*. Et est causalis a causal *nexus* between the two; bona, quando significatum primarium antecedentis est, if this *nexus* really exists, the causa primarie significati consequentis; ut prima causalis tantum significat quod 'te esse hominem causat te esse rationalem' vel sic, et brevius: 'Humanitas tua causat rationalitatem tuam'. Et secunda sic significat, quod 'te esse virtuosum causat te esse bonum', vel sic 15 et brevius, 'Virtus tua causat bonitatem tuam.' Et ad istum sensum dixit Deus ad serpentem: *Quia hoc fecisti, id est, deceperisti mulierem, maledictus eris*. Hoc est, 'decepcion tua causat malediccionem tuam.' Et sic: *Quia aliquis est finaliter impenitens, ipse damnabitur*; hoc est: 20 'finalis' impenitencia alicuius causat eius damnacionem. Et hic oportet notare quomodo deus est prima causa, et omnia causat preter se ipsum, et ipse deus nullo modo est causatus; et ideo non possumus cognoscere Deum per aliquam causam precedentem ipsum, sed per 25 effectus creatos ab ipso, etc.

5. *Comparative*, when the two parts are joined by a sign of comparison (as, than, &c.); it can often be turned into a categorical proposition containing a comparison. *Comparativa* est proposicio hypothetica principaliter denominata a nota comparandi, ut: *Deus est melior quam est aliquis purus homo; Caritas est ita bona sicut est aliqua virtus*. Note comparandi sunt tales: *sicut, quam*, etc. 30 Et talis proposicio dicitur hypothetica comparativa, que habet duas proposiciones coniunctas cum aliqua nota comparandi. Et hic nota quod ista non est proposicio hypothetica: *Deus est melior aliquo puro homine*, vel; *quam alias purus homo*, quia in talibus non est nisi 35 una copula; et tamen convertitur cum una hypothetica.

6. *Local*, when the idea of place joins the two parts; it is true when, the two parts signifying the same place, it is ordinata actui hypothetico locandi, ut hic: *Ubi ego sum, illuc et minister meus est; Petrus est ubi Paulus est*, et sic de ceteris. Et est localis vera, quando ambe partes, 40 que cum termino demonstrativo addito significant

eundem locum, sunt vere, ut hic: *Ubi ego sum, et hic minister meus erit, Petrus est hic et hic Paulus est*, demonstrando uniformiter per utrumque adverbium. Sed ista nota localis, *ubi*, teneri potest multipliciter; vel 5 *large* vel *stricte*. Si tenetur *large*, tunc potest concedi quod *terra est ubi celum est et sol est ubi luna est*; quia terra, celum, sol et luna sunt in eodem mundo; et sic quilibet homo est ubi papa est, quia in mundo. Et sciendum quod aliud est esse *in loco adequato*, et 10 aliud est esse *ad locum adequatum*, quia omne tangens aliud est *ad locum adequatum* in quo aliud est, sed non *in loco adequato*. Ut, si Petrus tangit Paulum, tunc Petrus est *ad locum adequatum* Pauli, sed non *in loco adequato* Pauli. Stricte loquendo, est res ubi 15 alia res est, et sic mundus et eius quantitas et situs eiusdem sunt in eodem loco adequato; et corpus de genere substancie et corpus de genere quantitatis et situs eiusdem substancie sunt in eodem situ adequato. Sed sic non potest esse Petrus in eodem situ adequato 20 | in quo Paulus est simul et semel. Sed primo modo loquendo, omnia que sunt in eodem regno eodem loco sunt, quia in mundo; omnes Angli sunt in eodem loco, quia in universitate; et omnes famuli sunt specialius in eodem loco, quia in eadem domo etc.

25 Temporalis est illa que subordinatur principaliter actui hypothetico, temporali per notam adverbii temporis; et sic omnis proposicio in qua sunt due propositiones coniuncte cum tali nota, *dum*, *quando* etc. est temporalis. Et est temporalis vera, quando ambe eius partes 30 sunt vere; et hoc in eodem tempore; et aliter est falsa: Ut hic: *Deus fuit, quando creavit celum; quando Petrus erit, Paulus erit; dum corpus est, anima est*; etc. Sed

so in reality;
but in a wide
sense, *ubi* can
mean anywhere
in the world;
and in a
stricter sense
two persons
may be at the
same place, but
not in the same
space; but
different
realities may;
as v. g. a body,
its quantity,
and its
position.

23. *quia in universitate.*

1. *Eundem locum.* Wyclif here forgets the negative local propositions, as 'Whither I go, thither ye cannot come'; or he considers a denial of identity of place as including in a wide sense this idea of identity. 15. I am not quite sure whether this should not mean 'the reality of anything is where the reality of anything else is', especially when we note the words *stricte loquendo*, and remember that the Universals, as constituting the ideal world, are not only eternal but everywhere. But the examples given can be understood without referring to this. 23. *Quia in universitate.* This is so evidently a mistake that the copyist has struck it out. The reader will easily supply some word in place either of *universitate* or of *anglici*.

7. *Temporal*,
when both of its
parts relate to
the same time;
it is true, when
both parts are
true, as thus
related.
'The same
time' can be
understood
loosely, and
thus any two
events may

happen in the talis temporalis potest capi stricte vel large. Large same time; or strictly, meaning absolute simultaneity. capiendo, sunt tales proposiciones vere, ut: *Petrus fuit, quando deus creavit mundum*, quia in aliquo parte magni temporis preteriti fuit Petrus, et in isto tempore creavit Deus mundum; et sic est verum quod *ego fui*; ⁵ *quando mater mea fuit virgo*, et *quando Adam fuit in paradiſo*. Sed non in eodem tempore adequato. Et quando sunt due res, et una durat per omne tempus per quod durat reliqua, et e contra, tunc quelibet illarum est adequate in eodem tempore in quo est alia. ¹⁰

6. This is quite true in the sense Wyclif gives it; but it is an undeniable opening to paradox. This, by the way, was the general tendency of the Realists. “... *Les réalistes, ennemis des distinctions, et tirant toujours en ligne droite, pour ainsi dire, les conséquences de leurs principes*,” says Berault-Bercastel (*Hist. de l'Eglise*, I. LV, p. 496) and he goes on to tell us of Pierre de Rieu, who, in 1479, declared that there was no truth in any future proposition; meaning *truth* in the same way as in propositions concerning the present.

CAPITULUM DECIMUM.

Conversio est transmutacio predicati in subiectum, et e contra. Et notandum est quod triplex est conversio: *simplex* conversio, *per accidens*, et conversio *per contra-5 positionem*.

Conversio *simplex* est quando de subiecto fit predicatum et econtra, *manente eadem qualitate et quantitate*. Et sic convertitur universalis negativa, et simili-
10 ter particularis affirmativa, verbi gracia: *nulla virtus est vicium*: ergo, *nullum vicium est virtus*; nichil est in-
possibile apud Deum: ergo, *nullum impossibile apud Deum est aliquid*. Particularis sic convertitur simpliciter: *Ali-15 quis Deus est omnipotens*: ergo, *aliquid omnipotens est Deus*. *Aliquis homo vivit bene*: ergo, *aliquid vivens bene est aliquis homo*. Et nota, quando principale verbum
15 illius propositionis que debet converti est verbum ad-
iectivum, tunc principale verbum in sua conversa erit
verbum substantivum, verbi gracia: *Aliquis sanctus videt Deum*: ergo, *aliquid videns Deum est aliquis sanctus*;
20 *aliquis homo transit ad celum*: ergo, *aliquid transiens ad celum est aliquis homo*.

Conversio *per accidens* est quando de subiecto fit predicatum et e contra, *manente eadem qualitate, sed mutata quantitate*: ut, si convertens sit universalis affir-
25 mativa, sua conversa erit particularis affirmativa; et si
convertens sit universalis negativa, sua conversa erit
particularis negativa; et sic convertitur universalis affir-
mativa et universalis negativa. Verbi gracia: *omnis*

What and of
how many
sorts

Conversion is:

1. *Simple*, for universal negative and particular affirmative propositions; the predicate and the subject merely change places.

1. Cap. *deest*. 2. *Initial C in red ink*; *ib. tñfumta*. 4. et per
accidens conversio.

16, 17. We may note that *verbum adiectivum* means not only every verb except *est*, but even *est*, when that verb includes the predicate 'existence'. Thus: *aliquis homo est* is converted into: *aliquid existens est homo*.

2. *Accidental*, for universal affirmatives and negatives, which become particular.

angelus est substancia; ergo, aliqua substancia est angelus;
Nulla virtus est vicium: ergo, quoddam vicium non est
virtus. Hic manet eadem qualitas, quia utraque est
negativa; sed mutata est quantitas, quia una est uni-
versalis et alia particularis etc.

5

3. *By counter-position, for universal affirmatives and particular negatives; it consists in changing the places of subject and predicate, but prefixing not to each, without any other change.*

Conversio per contraposicionem est quando de subiecto fit predicatum et e contra, manente eadem qualitate et quantitate, sed mutatis terminis finitis in terminos infinitos. Et sic convertitur universalis affirmativa et particularis negativa. Verbi gratia: *Omnis sapiencia est virtus: ergo, omnis non virtus est non sapiencia; Aliqua sapiencia non est vicium: ergo, quoddam non vicium non est non sapiencia.* Et iste conversiones ponuntur in istis versibus:

15

Simpliciter feci convertitur, avi per accid.

Cato per contra. Sic fit conversio tota.

Notandum quod in iste termino *Feci* sunt due vocales; *e* significat universalem negativam, et *i* significat particularem affirmativam, et *a* universalem affirmativam, et *o* particularem negativam.

20

Dificulties as to propositions that include the idea of past or future: a particular method of solving them.

Sed in propositionibus de preterito et futuro est maius dubium; sicut est in talibus: *Nullus puer fuit senex: Aliqua mulier corrupta erit virgo; Omnis sapiencia erit virtus.* Prima debet sic converti, simpliciter: *Nullus puer fuit senex: ergo, nullus | preteritus senex est vel fuit puer: et hoc est falsum.* Secunda sic convertitur: *Aliqua mulier corrupta erit virgo: ergo, aliqua futura virgo est vel erit mulier corrupta.* 3^{cia} proposicio sic debet converti per accidens: *Omnis sapiencia erit virtus: ergo, aliqua virtus futura est vel erit sapiencia.*

8^a

30

23. erit non.

10. According to logicians, even in our own time, the *particularis negativa* can be converted in no other but this very crabbed way. In reality however, I believe it is *always* possible to change it into a *particularis affirmativa*, and then convert it simply, thus: *Some Englishmen are not Londoners . . . Some Englishmen are Not-Londoners . . . Some Not-Londoners are Englishmen.* This would be a fourth species of 'conversion'; but I must give it on my own responsibility, having met with it nowhere.

22. *Est vel fuit.* Because the sense modifies or may modify the sense both of subject and of predicate. But I think that since Wyclif by his conversion comes to a false conclusion from a true departure (*et hoc est falsum*), we may try the ordinary method. Thus: *No boy is having-been an old man . . . No having-been an old man is a boy.*

CAPITULUM UNDECIMUM.

Argumentum est *racio rei dubie, faciens fidem et certitudinem de re dubia*. Et notandum quod quatuor sunt species argumenti, scilicet: *Enthymema, induccio, exemplum et syllogismus*.

What an argument is; Its species:

Enthymema est curtatus syllogismus, habens unicam premissam et unicam conclusionem, ut sic argumentando: *Deus est; ergo, substancia omnipotens est. Caritas est bona; ergo, virtus est bona.*

10 *Induccio* est quando universalis probatur per suas singulares, ut sic argumentando: *ista virtus est, et ista virtus est; ergo, omnis virtus est.*

Induction,

Exemplum est, quando unum simile probatur per aliud simile, ut sic: *Sicut se habet voluntas Dei in celis, sic se habet voluntas Dei in terris; et: Sicut vixerunt apostoli in ecclesia primitiva, sic eciam tenentur vivere episcopi circa finem mundi. Et: Sicut se habet magister in scolis, sic se habet rector in navi.*

Analogy,

20 *Syllogismus* est argumentum in quo, ex premissis debite dispositis in modo et in figura, sequitur conclusio. Et sciendum quod in omni syllogismo requiruntur tres termini, scilicet, *maior extremitas, minor extremitas et medius terminus*. *Medius terminus* est ille qui sumitur ante conclusionem et non in genere eodem dicitur. *Maior extremitas* est illa que sumitur in maiori cum medio. *Minor extremitas* est illa que sumitur in minori cum medio termino. Ut sic argumentando,

and
Syllogism;
which is made
up of two
premises and
a conclusion,
and contains
three terms;
one of
comparison,
and two that
are compared in
the premises,
making up the
major and the
minor.

1. Cap. deest. 2. Initial A in blue ink.

5. The *Sorites* (A is B, B is C, C is D, . . . Y is Z, . . . A is Z) might have been added here. 16. If we consider that Logica is in all probability one of the first philosophical works of Wyclif, this example (as also allusions to Antichrist being in Rome, further on in the book) shows us that his theological system was already fermenting in his mind at a very early date.

omnis Deus est eternus, omne increatum est Deus: ergo, omne increatum est eternum; in isto syllogismo sunt tres proposiciones: scilicet, due premisse et una conclusio; due premisse sunt ille due proposiciones que precedunt hanc notam, *ergo*; et conclusio est proposicio 5 sequens hanc notam, *ergo*. In isto secundo syllogismo sunt tres termini, scilicet isti: *Deus, eternum, et increatum*; et iste terminus, *Deus*, est medius terminus, et iste terminus, *eternus*, est maior extremitas, et iste terminus *increatus*, est minor extremitas. 10

There are 19 modes of syllogism, classified in three figures. A mode is the classification of syllogism by order of terms; a figure, by order of modes.

Mnemonic lines.

In the first figure the middle term is subject in the minor; in the major, predicate; in the 2nd, it is twice predicate; in the 3rd, twice subject.

Examples of syllogisms in *Darii*, in *Baralipton*, in *Cesare*.

Et sciendum quod decem et novem sunt modi syllogismorum; et tres sunt figure, in quibus sunt syllogismi. Modus est debita ordinacio trium terminorum, que requiruntur ad syllogismum; figura est debita disposicio modorum. In primo figura continentur novem modi, 15 et in tercia figura continentur sex modi. Quilibet terminus versusum sequencium, qui sic incipiunt:

Barbara, celarent, darii, ferio, baralipton,
Celantes, dabitis, fapesmo, frisesomorum,
2^a Cesare, camestres, festino, baroco, 3^a darapti, 20
Felapton, disamis, datisi, bocardo, ferison;
 quilibet istorum vocatur modus. Et sciendum quod medius terminus debet diversimode ordinari in prima figura, et in secunda, et in tercia. Nam in prima figura erit medius terminus subiectum in maiori et predicatum in minori, et in secunda figura erit medius terminus predicatum tam in maiori quam in minori; sed in tercia erit medius terminus subiectum in utraque propositione. Et propter hoc ponitur talis versus:

Sub, pre, prima; pre bis, secunda; tercia, bis sub. 30

Omnes modi in quibus fiunt syllogismi possunt clare cognosci per versus sequentes: *Barbara, Celarent, Darii*, ut supra. Et notandum est quod quilibet syllogismus in aliquo istorum modorum concludit directe, preter quinque, qui sunt in istis versibus: 35

Omnes directe concludunt; excipe quinque;

Nomina sunt quorum, *bara, ce, da, frisesomorum*.

In predicacione directa sic fit syllogismus in *Darii*: | 8^b

Omnis caritas est virtus; aliqua dileccio est caritas: ergo,

12. synonymi. 16. Ec^o pro et.

18. *Baralipton, Celantes, Dabitis, Fapesmo, Frisesomorum* are considered by modern logicians to make a fourth figure.

aliqua dileccio est virtus; sed in predicacione indirecta fit taliter in Baralipton: Omnis virtus est bonitas, omnis iusticia est virtus: ergo aliqua bonitas est iusticia. In secunda figura, sic fit syllogismus isto modo in *Cesare*: 5 *Nulla virtus est vicium; omne peccatum est vicium: ergo, nulla virtus est peccatum.* In tercia figura sic fiet syllogismus in *Darapti*: *omnis homo est animal; omnis homo est risibilis: ergo, quoddam risibile est animal.*

Et notandum quod in qualibet figura potest fieri The expositorial syllogism, in which the middle term is a demonstrative pronoun, is much used, especially in the third figure.
 10 *syllogismus expositorius.* In prima figura sic: *hoc est homo*, et *Sor est hoc: ergo, Sor est homo.* In secunda figura, sic fiet syllogismus expositorius: *virtus est hoc, et bonitas est hoc: ergo, virtus est bonitas.* In tercia figura sic fiet syllogismus: *hoc diligit Deum, et hoc est homo: ergo, homo 15 diligit Deum.* Et iste syllogismus expositorius in tercia figura est maxime usitatus. Et sciendum quod oportet bene notare rem pro qua supponit hoc pronomen *hoc* in syllogismo expositorio; quia si fuerit diversa supposition in antecedente et consequente, tunc syllogismus non valet: 20 ut hic: *hoc est Petrus* (demonstrando naturam humanam) et *hoc est Paulus* (demonstrando eandem naturam): ergo, Petrus est Paulus. Hoc argumentum non valet, quia iste terminus, *hoc*, nunc supponit pro Petro in antecedente, nec demonstrat Petrum, sed naturam humanam; et ad hoc 25 quod argumentum valeret, oporteret in antecedente demonstrare Petrum personaliter per *ly 'hoc'*, tam in minori quam in maiori; et tunc consequencia esset bona et antecedens falsum pro minori: scilicet, quod hoc (demonstrando Petrum) est Paulus. Et illud argumentum non plus conclu- 30 dit, quam sic argumentando: *homo est Petrus, et homo est Paulus: ergo, Petrus est Paulus.* Et eodem modo contingit fallacia in materia de trinitate, sic argumentando: *Hoc est pater* (demonstrando divinitatem) et *Hoc est filius: ergo, pater est filius.* Et argumentum non valet; et eodem modo 35 de Christo, sic argumentando: *hoc est Deitas* (demonstrando Christum) et *hoc est humanitas: ergo, Deitas est humanitas;* quia, sicud una deitas est communicabilis tribus personis, sic est una persona Christi commun-

But it does not conclude, unless the pronoun has the same signification in both premisses.

Examples.

11. Wyclif's opponents very often used this 'expositorial syllogism' against him, to refute his doctrine of Universals. His remark (l. 11—37) contains his general reply to their refutations. Throughout his philosophical works, we shall find him again and again returning to the subject.

cabilis duabus naturis, scilicet nature divine et nature
humane.

No syllogism is conclusive, if both its premisses are negative or particular.

Et nota quod syllogismus non fit totaliter ex negativis nec totaliter ex particularibus; vel si fiat, nunquam valet talis syllogismus; unde ponitur talis versus: 5

Syllogizari non est ex particulari,
Neque negativis, ratione concludere si vis.

7. concluditur; *ib.* a blank space of 4 lines.

CAPITULUM DUODECIMUM.

Quia dictum est de summulis in quibus tractatur quo-
dammodo de proposicionibus, et quoniam ignorantibus
suppositiones terminorum veritas proposicionum latet,
ideo, propter magis distinctam noticiam proposicionum,
oportet materiam de suppositionibus aliqualiter declarare.
Et sciendum quod nullus terminus extra oracionem sup-
ponit, sed solum in oracione; nec aliqua pars extremi
supponit; sed toti extremo debetur supposicio. Hoc est,
nulla pars subiecti aut predicati supponit sed toti ex-
tremo i. e. toti predicato aut subiecto debetur suppo-
sicio.

Sed notandum est primo, pro quidditate supposi-
cionis, quod supposicio est *significacio termini kategorici*
^{15 qui est extreum proposicionis, in comparacione ad aliud extreum.} Et est extreum in proposizione subiectum
vel predicatum. Supposicio dicitur dupliciter; scilicet,
propria et *impropria*. Supposicio *impropria* est quando
terminus significat aliter ex usu loquendi quam ex pri-
9^a 20 maria significatione: ut *Anglia* | pugnat; *bibi ciphum*. In
ista proposizione, iste terminus *Anglia* supponit pro
hominibus in Anglia, vel pro *aggregato ex hominibus in Anglia*. Et in secunda proposizione *ciphum* supponit
improprie pro contento in cipo.

25 Supposicio *propria* dupliciter dicitur: scilicet, *materialis*
et *formalis*. Supposicio pure *materialis* est quando ter-
minus supponit pro se ipso, aut secum analogo, ut *li* “ego”
est pronomen, *li* “dominus” est nomen: Hec
dico “amo” est verbum, *li* “Iohannes” est trysil-
30 labum etc.

Supposicio *formalis* est duplex: scilicet supposicio
simplex et *personalis*. Supposicio *simplex* est illa qua

Importance of
some
acquaintance
with
Supposition.

No term can
have
supposition,
except when in
a proposition,
and this
property
belongs to the
whole subject or
predicate.

It is the
signification of
one categorical
extremity of a
proposition,
compared with
the other
extremity:
1. Supposition
proper or
improper.

2. If proper,
material or
formal;
according as it
stands for the
word it is, or
for what the
word
represents.

Formal
supposition is
simple or

1. Cap. deest. 2. Initial Q in red ink, and De suppositionibus in
marg.

personal, it is simple when the term is only used for an abstract essence,

terminus solum assertive supponit pro re universalis ad extra, ut hic: *Homo* predicitur de omni homine; iste terminus *homo* supponit simpliciter pro natura humana, et tantum sonat ac si diceretur esse *hominem inest omni homini*. Et in ista propositione, *homo est species*, supponit subiectum simpliciter pro natura humana, que est species specialissima omnium hominum. Et in hac propositione, *animal est genus*, supponit iste terminus, *animal*, simpliciter pro genere animalis, quod est genus commune omnium animalium; quia, sicut omnes homines convenient in una humanitate, que est natura illorum specifica, sic omnia animalia convenient in eadem animalitate, que est generalis omnium animalium.

and is of two sorts; adequate and inadequate.

Suppositionum simplicium alia est *equa*, et alia *inequa*. Supposicio simplex et *equa* est, qua terminus simpliciter supponit solum distincte vel assertive pro universalis primo specifico, ut in talibus: *Homo est species*. Si autem sit supposicio *inequa*, hoc contingit dupliciter, vel sic, quod supponatur pro specie inferiori; ut, *substancia est species*; vel pro accidente aut proprio primo; ut *hic homo communis est risibilis, quantus, aliqualis*, etc.

Personal supposition, when *singular*, or *general*; when *many together*; and then it is either *collective* or *universal*: in the latter case either *distributive* or *indefinite*.

Supposicio *personalis* dicitur dupliciter, scilicet *singularis* et *communis*. *Singularis* est quando terminus supponit solum pro uno singulari, ut: *hic homo est*.²⁵ *Supposicio personalis et communis* est, quando terminus supponit personaliter confuse pro multis. Si autem sit *communis*, hoc contingit dupliciter, vel sic quod sit distincta, quando supponitur pro singularibus, ut hic: *isti sunt*; vel quod sit *communis universalis* supposicio *personalis*. Hoc contingit dupliciter: vel sic quod sit confusa distributiva, ut hic: *Omnis homo est*; vel supposicio *confusa* tantum; ut hic: *uterque istorum est alter istorum*, iste terminus *alter istorum* supponit confuse tantum, quia non est dare aliquem istorum qui est *uterque istorum*.

Note 1. that simple and personal supposition may be united; as when we say *Every animal*, for

Notandum quod terminus *communis concrete* suppositus potest mixtum supponere personaliter et simpliciter, et hoc tam in universalis, quam in definita, ut hic: *omne animal fuit in archa Noë*; in ista propositione potest iste terminus, *animal*, supponere confuse distri-

butive pro omnibus individuis animalium, que fuerunt; every species of animal; or et sic intelligendo, est proposicio illa falsa: vel potest predicate a general rule to which there are exceptions; or say what is true both of the abstract essence and of the individual.
 supponere pro omnibus speciebus perfectis animalium, et sic regula est vera; quia illa tantum significat quod *omnis species perfecta animalis fuit in archa Noë*; et hoc est verum. Eodem modo dicendum est de ista proposizione: *omnis homo est mendax*; iste terminus, *homo*, potest supponere confuse distributive pro omni individuo speciei humane, nullo excipiente, et sic illa est falsa pro Christo; vel potest solum supponere pro hominibus peccatoribus, et sic illa est vera; quia *qui se dicit sine peccato mendax est*. Similiter in tali indefinita, *homo moritur*, potest iste terminus supponere personaliter pro individuo, vel simpliciter pro natura humana; et utroque modo illa regula est vera; et in omnibus talibus est supposicio personalis, mixta cum suppositione simplici.

Sed notandum quod talia nomina: *Johannes*, *Thomas*, ^{2. That proper nouns and what may stand for them cannot be distributive nor receive the sign of universality, unless by changing their sense into that of common nouns.} et talia pronomina *hic*, *id*, *istud* etc. non debent distribui, sicut nec talis termini *persona*, *individuum*; quia omnes tales termini fuerunt inventi ad significandum discrete vel simpliciter, ^{9^h} | et non plus valet distribuere talia (sicut dicendo: *Omnis Johannes est*, “*Johannes*” tenendo suam proprietatem primam), quam sic dicendo, ²⁵ *omne hoc est hoc*, quia tales termini et propria nomina sunt inventa ad significandum discrete, sicut pronomen. Et quando homines distribuunt tales terminos per signa universalia, in hoc faciunt illa nomina appellativa et non nomina propria. Et sic abutuntur terminis; et sic ³⁰ de aliis superius recitatis.

Notandum eciam quod in universalii affirmativa subiectum supponit mobiliter. id est, confuse distributive; ^{3. That in every universal affirmative proposition, the subject has the predicate indefinite supposition;} et predicatum, si sit terminus communis, supponit confuse tantum vel simpliciter confuse tantum, quando non contingit descendere ad singulare nec universale, ut hoc; utrumque istorum est aliquod animal istorum. Simplicer supponit quando non contingit descendere ad aliquod singulare, sed ad universale, sicut in ista proposizione: *omnis homo est homo*. Iste terminus *homo*, qui

q. ex^{ta}.

31. All this is very briefly set forth here, and cannot be properly explained in notes. See the Introduction.

in every universal negative, both subject and predicate are distributed, in particular affirmatives, both subject and predicate have determinate suppositions; in negatives, the subject is determinately and the predicate distributively supposed; in singular affirmatives the subject is assimilated to a collection, and the predicate determinately supposed, and in singular negatives, the subject being as before, the predicate is distributed.

est predicatum, supponit pro homine communi vel natura humana, quod idem est; et sic significat quod *homo communis vel natura humana est omnis homo*. In omni universal negativa tam subiectum quam predicatum supponit confuse distributive; et hoc, si subiectum 5 et predicatum sint termini communes; ut hec; *nullus homo est lapis*. Isti duo termini, *homo* et *lapis* supponunt confuse distributive negative; et sic de ceteris. In omni particulari affirmativo et indefinita affirmativa, ubi subiectum et predicatum sunt termini communes, 10 supponit tam subiectum quam predicatum determinate; ut hic, *aliquis homo est animal*. In omni particulari negativa et indefinite negativa subiectum supponit determinate et predicatum confuse et distributive, si subiectum et predicatum fuerint termini communes. In omni 15 singulari affirmativa, ubi predicatum est terminus communis, subiectum supponit discrete et predicatum determinate, ut hic: *hoc est homo*. In omni singulari negativa, ubi predicatum est terminus communis, subiectum supponit discrete et predicatum confuse et distributive 20 negative, ut hic: *iste non est lapis*.

21. Blank space for 2 lines after lapis.

3. Wyclif may be supposed to mean: *That which is common to all men is human nature*. But I am not quite sure, from the way he expresses himself, that he does not mean: *Every man is identical with the Universal: human nature*.

CAPITULUM TREDECIMUM.

Consequencia est *quedam habitudo inter antecedens et consequens, cum nota consequente*. Vel: consequencia est *quoddam aggregatum ex antecedente et consequente cum nota consequentie*; ut hic: *homo currit*: ergo, *animal currit*.

Definition of
Consequence.

Ad cognoscendum que sunt consequencie bone et formales dantur 22 regule, quarum prima est hec: Quilibet consequencia est bona et formalis, in qua consequens formaliter intelligitur in antecedente; ut sic argumentando: *Petrus est caritativus*; ergo, *ipse est virtuosus*, quia hoc consequens, *ipse est virtuosus*, intelligitur in hoc antecedente: *Petrus est caritativus*. Et sunt note consequencie *ergo, etc., ideo et quia*.

Secunda regula est ista: Quilibet consequencia est², when, if you contradict the consequent, you contradict the antecedent;
15 bona et formalis, quando ex contradictorio consequentis sequitur contradictorium antecedentis ut: *homo currit*: ergo, *animal currit*; quia sequitur formaliter: *nullum animal currit*, ergo: *nemo currit*.

Tertia regula est ista: Quilibet consequencia est bona et formalis, ubi contradictorium consequentis formaliter repugnat antecedenti, ut: *Omnia intelligit*, igitur *aliquid intelligit*, quia ista repugnat: *nihil intelligit* et *omnia intelligit*.

Quarta regula est ista: Quicquid antecedit ad antecedens, antecedit ad consequens. Hoc est sic intelligendum, quod quilibet proposicio que antecedit ad antecedens potest antecedere ad consequens illius antecedentis; ut hic: *aliquid animal sentit*; ergo, *aliquid corpus sentit*; et sic sequitur: *aliquis homo sentit*, ergo *aliquid corpus sentit*: quia ista proposicio, *aliquis homo sentit*, potest antecedere ad hoc consequens prioris consequentie, scilicet *aliquid animal sentit*, et per consequens potest antecedere ad hoc consequens: *aliquid corpus sentit*.

A consequence is good:
1. When the consequent is formally understood to be in the antecedent;

3. when the contradictory to the consequent is incompatible with the antecedent;

4. when the antecedent of the antecedent is antecedent to the consequent;

5. when, in a chain of antecedents and consequents, the particular consequence of each is good; Alia regula est ista: | quando argumentatur a primo ad ultimum, ubi omnes consequentie intermedie sunt bone et formales et non variate, est consequencia bona. Et argumentatur a primo ad ultimum, quando consequens prioris consequentie est antecedens posterioris consequie. Ut, sic argumentando: *ordinata dileccio est*: ergo, *caritas est*; *caritas est*: ergo, *virtus est*; *virtus est*: ergo, *bonitas est*. Sed argumentatur contra istam regulam, *nullum tempus est*: ergo, *dies non est*: *dies non est*, et *aliquid tempus est*. A primo ad ultimum: *nullum tempus est*: ergo, *aliquid tempus est*. Ista consequencia non valet; et tamen argumentatur per regulam supradictam: ergo regula illa est falsa. Dicendum est quod consequentie intermedie sunt variate, quia plus ponitur in antecedente secunde consequentie quam fuit consequens prime consequentie: ideo non argumentatur per regulam etc.

but the consequent of the previous argument must be strictly the antecedent of the succeeding one;

6. when the antecedent is a universal proposition, and the consequent, its subordinate; Alia regula est ista: ab universali ad suam particularem subalternam, tam affirmative quam negative, tenet consequencia affirmative: ut hic: *quelibet virtus est bona*: ergo: *aliqua virtus est bona*; negative, ut hic: *nulla caritas est vicium*: ergo, *aliqua caritas non est vicium*.

7. when an indefinite proposition is inferred from a particular one; Alia regula est: a particulari ad suam infinitam, tam affirmative quam negative, est consequencia bona: *ut, quedam caritas est virtus*; ergo, *caritas est virtus*; negative, ut sic: *quedam caritas non est vicium*: ergo, *caritas non est peccatum*.

8. When we argue, in certain matters, from the general to the particular. Alia regula est ista: ab universali ad suam singularem affirmativam cum debito modo, ubi singulares significant res corruptibles, valet consequencia; ut sic argumentando: *omnis homo est animal*; ergo, *iste homo est animal*. Sed quando universalis supponit pro re convertibili incorruptibili, tunc tenet talis consequencia, gracia terminorum; ut argumentando: *omnis angelus est*: ergo, *iste angelus est*; *omnis sol lucet*: ergo, *iste sol lucet*. Sed ab universali affirmativa ad suam singularem affirmativam

2. int^e. 5. prioris. 20. 13 = tenet. 30. corporales non.
32. 33. corporali.

35. We must remember that the sphere of things corruptible was considered to extend only as far as the orbit of the moon; and as the individuating principle was supposed to be *materia signata* or matter affected with quantity and mutation, angels and supralunary bodies were properly neither singular nor universal, but only by assimilation of terms, *gracia terminorum*.

cum debito modo est consequencia bona; ut sic argumentando: *Omnis homo est substancia; iste est homo; ergo, iste est substancia.*

Alia regula est ista: Ex falso sequitur verum, sed 5 nunquam ex vero sequitur falsum formaliter, versu:

Ex falsis verum, ex vero nil nisi verum:

ut bene sequitur: *homo est asinus*: ergo, *Deus est*. Sed non e contra; et pro ista regula potest illud sacre scripture allegari: *Omne mendacium ex veritate non est*, 10 quod equipollit huic: *nullum mendacium ex veritate est*. Sed ex falso sequitur verum. Nam ista regula [est] quod ex impossibili sequitur quodlibet (vel sequi potest); ut sequitur: *nullus Deus est*, ergo, *nullus mundus est*; et similiiter quod *mundus est*, vel quicquid volueris concludere.

15 Alia regula est ista: proposicio simpliciter necessaria sequitur vel sequi potest ad quamlibet aliam propositionem, ut sequitur: *tu es*, ergo *Deus est*. Sed ex necessario nunquam sequitur contingens ad utrumlibet.

Nam non sequitur: *Deus est*: ergo, *ego curro*.

20 Alia regula est ista: ab universalis negativa ad suam singularem negativam est consequencia bona; ut: *nullus homo currit*: ergo, *iste homo non currit*.

Alia regula est ista: ab inferiori ad suum superius sine negacione et sine diccione, et sine aliqua diccione 25 habente vim negacionis, est consequencia bona; ut hic, *caritas mundat hominem*: ergo, *bonitas mundat hominem*.

Homo currit: ergo *animal currit*. Et hoc potest fieri dupliciter: vel a parte subiecti, ut patet superius, vel a parte predicati, quando predicatum antecedentis est in-

30 ferius ad predicatum consequentis: ut sic argumentando; *Sor est caritatus*: ergo *ipse est virtuosus*. Ad cognoscendum quid sit inferius et quid superius, docet Ari-

stoteles in libro predicamentorum 8. "Illud est superius, a quo non convertitur subsistendi consequencia". Unde 35 sequitur: *homo currit*: ergo, *animal currit*. Sed non e contrario. Item illud est superius, quod plura significat et de pluribus predicatur quam suum inferius; ut iste terminus: *animal*, est superius ad istum terminum: *homo*,

40 et quam iste terminus: *homo*, quia plura significat; quia omnia animalia: sed iste terminus: *homo*, non significat nisi omnes homines, et iste terminus, *animal*,

11 est deest. 24. dō^e.

33. Arist. Cat. VIII.

9. truth or falsehood can follow from falsehood, but falsehood never follows from truth;

10. the necessary can follow from the contingent; not vice versa;

11. a universal negative implies its particular;

12. a less universal affirmative proposition implies the more universal one that includes it. This may take place either for subject or for predicate; a more universal term being that which cannot be put in the place of the other,

or which is predicated of more things;

predicatur de omnibus animalibus; sed iste terminus, *homo*, predicatur solum de homine, vel de hominibus. Alia regula est ista: Omne habens se per modum appositionis respectu alterius, inferius est eo, ut capiantur isti termini | *homo* et *homo*, tunc neuter istorum est 5 ^{10^b} inferior ad reliquum, si additur uni istorum *albus*; tunc iste terminus cui fit additio, cum ista addizione, est inferior ad aliud; quia iste terminus: *homo albus*, est inferior ad istum terminum, *homo* per se, quia ista consequencia est bona: *homo albus currit*: ergo *homo* ¹⁰ *currit*.

and the less
universal, that
which possesses
some
characteristic
wanting in the
other.

Thus, what is
superior in
meaning,
contents, is
inferior in
extent of
predication,

and a term may be essentially inferior to another in the second sense, or accidentally so, on account of another term added to it.

13. When one proposition is accidentally inferior to another, the first implies the second only by means of a proposition that acts as a medium.

Five fallacies occur, arguing from an inferior proposition to its superior: in negative propositions; in exclusive propositions, when the

Sed notandum quod aliquis terminus est inferior alio dupliciter: vel secundum significacionem, vel secundum predicacionem; quoad significacionem, est iste terminus, *homo albus*, superior ad istum terminum *homo*, quia 15 iste terminus, *homo albus*, significat secundum suam primam partem omnem hominem: et secunda pars, scilicet, iste terminus, *albus*, significat omnem albedinem. Sed quoad predicacionem, est iste terminus, *homo*, superior ad istum terminum, *homo albus*. Similiter notandum 20 quod aliquis est per se inferior ad alterum et aliquis per accidens. Terminus [est] per se inferior ad aliud, quando significat essenciam predicati superioris termini, sine adiectione accidentalium; et sic iste terminus, *homo*, est inferior ad istum terminum, *animal*. Terminus est 25 per accidens inferior, quando significat essenciam alterius significati cum adiectione accidentalium; et sic iste terminus, *homo albus*, est inferior ad istum terminum, *homo*.

Alia regula est ista: ab inferiori ad suum superius 30 per accidens non valet consequencia sine debito medio: ut, *homo albus non currit*: ergo, *homo non currit*. Sed ad hoc ut consequencia valeat oportet addere debitum medium, ut: *homo albus est*. Et sciendum quod quinque modis fallit consequencia ab inferiori ad suum superius. 35 Primo, quando arguitur ab inferiori ad suum superius, cum negacione proposita termino inferiori et superiori, non valet consequencia, ut sic argumentando: *nullum animal irrationale salvabitur*: ergo, *nullum animal salvabitur*. Secundo, quando argumentatur ab inferiori ad 40 superius a parte predicati, dicione exclusiva addita subiectis, non valet consequencia, ut: *tantum homo*

currit: ergo, tantum homo movetur. Sed ab inferiori ad suum superius a parte subiecti, diccione exclusiva addita subiectis, est consequencia bona; ut: *tantum homo est risibilis: ergo, tantum animal est risibile.* Tercio modo, quando argumentatur cum nota alienitatis vel cum nota difference; ut: *tu es aliud ab asino: ergo, tu es aliud ab animali.* Quarto modo quando argumentatur ab inferiori ad superiorius cum diccione affirmativa vel negativa, non valet consequencia; ut sic argumentando: *omne animal est sensitivum: ergo, omne corpus est sensitivum.* Negative, sic: *nullum animal est sine sensu: ergo, nullum corpus est sine sensu.* Quinto modo fallit consequencia, quando argumentatur ab inferiori ad suum superiorius, cum ista diccione, *sicut, vel quam, vel cum* 15 *comparativo vel superlativo, ut sic argumentando: Sor est ita sapiens sicut iste homo: ergo, Sor est ita sapiens sicut homo; Sor est melior isto homine: ergo, ipse est melior aliquo homine. Sor est perfectissimus istorum hominum: ergo, Sor est perfectissimus aliorum hominum.*

20 Et sciendum, quando argumentatur a superiori ad suum inferius, cum aliqua istarum diccionum precedencium terminum inferiorem et superiorem, est consequencia bona; ut hic: *tu es sapiencior aliquo homine.*

Alia regula est ista: a superiori ad suum inferius 25 sine negacione et sine distribucione et sine aliqua diccione habente vim negacionis non valet consequencia, ut: *animal currit, ergo homo currit.*

Alia regula: a superiori ad suum inferius cum negacione vel distribucione vel alia diccione habente vim 30 negacionis, est bona consequencia; ut: *Omne animal est perfectum in natura: ergo, omnis homo est perfectus in natura; nulla virtus est vicium: ergo, nulla caritas est vicium.*

Alia regula est ista; in omni consequencia bona et formalii, ubi argumentatur ab inferiori ad superiorius, 35 distributo consequente, sequitur antecedens distributum; ut, *homo currit: ergo, animal currit;* nam sequitur: *omne animal currit: ergo, omnis homo currit.* Sed contra istam regulam argumentatur sic. Ista consequencia est bona: *animal est homo: ergo, homo est animal;* et argumentatur ab inferiori ad superiorius; et tamen, distributo 40 consequente, non sequitur antecedens distributum; quia non sequitur: | *omnis homo est animal: ergo, omne animal*

predicates are less and more universal;

when the propositions contain a differential term; in affirmative and negative propositions, and when the latter contain a second negation; and when a comparative term is employed.

14. A more general affirmative proposition does not imply the less general, unless it has the sign *all.*
15. But it does in this case; also when negative, or implying negation.

16. In any right argument from an inferior to a superior proposition, the consequent, if universal, renders the antecedent so, at least with a negation, if not always affirmatively.

est homo. Ergo regula minus vera. Ad hoc est dicendum quod, quamvis non affirmative sequitur, tamen negative; quia sequitur: *nemo est animal:* ergo, *nullum animal est homo.*

17. In a good syllogism the denial of the conclusion with the admission of one premiss must bring about the denial of the other.

Alia regula est ista: quando aliqua est consequencia in qua sunt plures premisse, et ex opposito conclusionis cum altera premissarum, sequitur oppositum alterius premissae, illa consequencia est bona; et aliter non. Ut sic argumentando: *omnis homo est sapiens;* *tu es homo:* ergo, *tu es sapiens,* due premisse sunt iste due proposiciones precedentes hanc notam, *ergo:* tunc ex opposito conclusionis cum minori, que est altera premissa, sequitur oppositum maioris, que est prima premissa, ut sequitur: *tu non es sapiens et tu es homo:* ergo, *aliquid quod est homo non est sapiens.* Similiter ex opposito conclusionis cum maiori sequitur minoris; ut: *Omnis homo bene vivit;* *tu non bene vivis:* ergo, *tu non es homo.*

18. Of one of two contradictory terms (A, and not A) anything may be truly predicated, and nothing of both at once.

Alia regula est ista: de quolibet dicitur alterum contradictorium incomplexorum et de nullo eorum simul ambo. Et sunt contradictoria complexa proposiciones contradictentes, ut iste: *tu es et tu non es.* Sed contradictoria incomplexa sunt contradictorii termini, ut: *homo et non homo, lapis et non lapis.* Tunc de qualibet re in mundo verum est dicere quod *illa est homo vel non homo;* et: *si non sit homo, est non homo, et si non sit non homo, est homo:* et sic de ceteris.

19. If a proposition be true, its abstract meaning must also be true.

Alia regula est ista: quod a quacunque propositione vera sequitur suum dictum fore verum. Unde dictum propositionis debet dari, vertendo nominativum casum in accusativum et verbum indicativi modi in infinitum; aut proponendo istam coniunctionem, *quod.* Unde sequitur: *Deus est:* ergo, *verum est Deum esse;* vel: *Deum esse est verum.* Iam ista omnino infinita: *Deum esse, est dictum istius propositionis: Deus est.* Similiter sequitur: *Deus est:* ergo, *quod Deus est, est verum.* Iam hoc totum, *quod Deus est, est dictum eiusdem propositionis similiter.*

3. *non pro nemo.*

18. Some words are probably wanting here. The primary syllogism is to be supplied thus: *Omnis homo bene vivit;* *tu es homo:* ergo, *tu bene vivis.* Take the denied conclusion (*tu non bene vivis*) along with the major (*omnis homo bene vivit*) and you get the conclusion (*tu non es homo*).

Alia regula est ista: ab affirmativa de predicato infinito ad negativam de predicato finito cum verbo *propositio A is not B*, the substantivo de presenti, est consequencia bona; ut sic inferred, but argumentando: *Tu es non lapis*; ergo, *tu non es lapis*. only with the 5 *Tu es non homo*; ergo, *tu non es homo*. Sed quando only in the argumentatur cum verbis adiectivis et cum verbo de present tense. presenti vel futuro, non est consequencia. Sic non sequitur: *tu vides non hominem*; ergo, *tu non vides hominem*. *Tu fuisti non sapiens*; ergo, *tu non fuisti sapiens*. *Tu eris non 10 sedens*; ergo, *tu non eris sedens*.

Alia regula est hec: a negativa de predicato finito ad affirmativam de predicato infinito cum constancia subjecti, est consequencia bona universaliter, si argumentatur cum eisdem terminis; ut: *tu non es Deus*; et *tu es: 15 ergo, tu es non-Dens*. *Tu non vides hominem*; et *tu vides: ergo tu vides non-hominem*. *Tu non fuisti sapiens*; et *tu fuisti; ergo, tu fuisti non-sapiens*.

Alia regula est ista: ab affirmativa de predicato privato sequitur negativa de predicato finito; ut: *iste homo 20 est iniustus*; ergo, *iste homo non est iustus*.

21. The converse of rule 20 is true, the subjects remaining the same.

22. From an affirmative proposition with a privative term for predicate, a negative proposition with a corresponding positive predicate may be inferred.

CAPITULUM DECIMUMQUARTUM.

What propositions are exclusive.
Attention to be paid to the place of the exclusive particle, on which the sense depends.

Sequitur de terminis exclusivis, et propositionibus ratione eorumdem expositis; et sunt dicciones exclusive, ut *tantum*, *solum*, *solummodo*, *precise*, et in consimiles. Sed notandum quod aliqua est exclusiva affirmativa,⁵ et aliqua exclusiva negativa. Exclusiva affirmativa est talis: *tantum homo est risibilis*, vel *solum Deus est omnipotens*. Exclusive negative sunt tales: *solum Deus est non pure creatura*, *solum homo non est aliud ab homine*. Est tamen cum diligencia observandum quod quecumque ¹⁰ exclusiva ratione termini exclusivi exponenda debet exponi secundum exigenciam ordinis termini exclusivi. Unde ista debet aliter exponi: *homo tantum est animal*, et aliter ista: *tantum homo est animal*.

How to expound an exclusive affirmative proposition; thus: *only A is B* is expounded: *A is B*, and *no not -A is B*: . . . *only A is B*.

Unde, generaliter loquendo, quedam exclusiva in qua ¹⁵ terminus exclusivus tenet primum ordinem exponi debet per eius preiacentem et universalem de subiecto et ^{11^b} qualitate oppositis subiecto et qualitate propositionis preiacentis; ut ista, *tantum homo currit*, debet sic exponi: *homo currit et non quod non est homo currit*: ²⁰ ergo, *tantum homo currit*. Similiter ista: *solum Deus est omnipotens*, debet sic exponi: *Deus est omnipotens et non quod non est Deus est omnipotens*; ergo etc. Preiacens exclusive est illud quod remanet, demta diccione exclusiva; ut, si ab ista exclusiva, *tantum Deus est omnipotens*, dematur diccio exclusiva, tunc remanet talis proposicio: *Deus est omnipotens*, que est preiacens tocius exclusive; et secunda exponens habet istum terminum infinitum, *quod non est homo*, pro suo subiecto; et ille opponitur huic termino *homo*, qui subicitur in preiacente; et virtute negacionis precedens est proposicio negativa, cum preiacens sit affirmativa.

Exclusiva negativa debet exponi per suam preiacentis A negative
negativam, et per universalem affirmativam de subiecto proposition is
aggregato ex termino transcendentem et termino opposito expounded
subiecto preiacentis ut ista: *Tantum Deus non est pure* thus: *Only A is*
5 *creatura,* debet sic exponi: *Deus non est pure creature* *A is not B, i.e.*
et omne quod est non Deus est pure creature, ergo etc. *A is not B and*
Et ista: *solum homo non est aliud ab homine* [debet sic every not-A is B
exponi: *homo non est aliud ab homine*], et *omne quod* *only A is B*
est non homo est aliud ab homine: ergo etc. Et iste *not B.*

10 exclusive sunt vere. Et notandum quod in exclusiva So these
affirmativa, predicatum affirmatur de subiecto et remo- propositions, if
vetur ab opposito subiecti; sicut eciam [in] ista exclusiva: affirm, the
Solum Deus est omnipotens, hoc predicatum, *omnipotens,* subject and
affirmatur de Deo et removetur ab omni quod non est deny of
15 Deus. Sed in exclusiva negativa, predicatum removetur everything else;
a subiecto et attribuitur cuicunque opposito subiecto, and if negative,
quia sic dicendo: *tantum Deus non est pure creature,* they deny of
removetur a Deo secundum deitatem et affirmatur the subject and
omni re que non est Deus. affirm of all things beside.

20 Item, aliquando exponitur proposicio, in qua ponitur But if only is
terminus exclusivus ratione pluralitatis vel excessus; et the mere denial
tunc debet talis proposicio sic predicari; sicut ista: of more than,
Christus est solum homo, debet sic exponi: *Christus est* then the
homo et Christus non est plus quam homo, ergo etc. Et proposition may be
25 tunc patet quod minor est falsa, scilicet quod *Christus A is only B; i.e.*
non est plus quam homo: quia *Christus est tam Deus A is B, and*
quam homo et esse Deum et esse hominem est plus A is not more
esse quam hominem per se, vel plus quam *Deum per se* But this is false
et non hominem. Et isto modo est ista proposicio falsa: whenever the
30 *Petrus est solum homo,* quia ipse est *homo et animal,* predicatio is not synonymous
corpus et substancia. Et sic *esse hominem animal* est plus with the
esse quam hominem esse. Et sic homo non solum vivit, subject;
sed eciam sentit, videt, operatur, intelligit et vult multa
facere. Et breviter, quandocunque aliqua predicacio est
35 alicui attribuenda, et alia que non est synonyma cum
illa, tunc non solum sibi illa predicacio inest.

Et propter hoc multi, non acceptantes istum modum so the word
loquendi, statuunt sibi novos terminos exclusivos, scilicet purely, meaning
istos: *pure* et *mere:* ut ens est *pure* taliter, quando est without any
40 taliter sine participacione alicuius habentis contradiccionem share in the
oppositam; ut est *pure* album quando est album contrary
quality, is preferable.

7, 8. *ab homine — ab homine deest.* 12. *in deest.* 31. *est homo*
animal esse est. 41. *alba.*

sine participacione nigredinis; et sic de ceteris denominacionibus.

Only A is B Alia regula est ista: ab exclusiva affirmativa ad suam *every B is A*, universalem affirmativam de terminis transpositis et in conclusion. terminis rectis et in singulari numero et cum verbo de 5

presenti, est consequencia bona, ut *tantum virtus est caritas*: ergo, *omnis caritas est virtus* et e contra; *tantum homo est risibilis*: ergo, *omne risibile est homo*

et e contra. Sed in terminis obliquis et in hypotheticis non hold not in this valet consequencia: ut non sequitur: *cuiuslibet hominis 10 asinus currit*: ergo, *omne currens est asinus hominis*;

Every A's B case: is C; *Every A's B is C* is A's B. quia, supposito quod quilibet homo habeat duos asinos, scilicet, unum currentem et alium quiescentem, tunc totum antecedens verum et consequens falsum.

Alia regula est ista: ab exclusiva ad suum preiacens 15 est consequencia bona, ut, *tantum homo est risibilis*, ergo, *homo est risibile*.

Another good Alia regula: ab exclusiva ad utramque eius partem est consequencia bona; ut: *tantum homo conclusion is thus:* est animal rationale; ergo, *homo est animal rationale*, et e contra; *non quod non est homo est animal rationale*, et e contra. 20
Only A is B; *A is B*, and *no not-A is B* and *no B is not-A*. Item, ab exclusiva ad alteram eius exponentem est consequencia bona; ut: *tantum Deus est omnipotens*; ergo, *non quod non est Deus est omnipotens*; et patet 12^a e contra, quia antecedens est summe necessarium; sed non generaliter. 25

In this formula: Alia regula est hec: si exclusiva sit vera, utraque eius pars exponentes erit vera; si altera exponentes eius sit falsa, tota exclusiva erit falsa. Et nota, quod contradictorium exclusive debet dari per negacionem propositam toti; ut contradictorium istius: *tantum homo est risibilis*, 30 est hoc: *non tantum homo est risibilis*. Et contradictorium exclusive habet duas causas veritatis; ut ista, *non tantum homo currit*, habet duas causas veritatis: *nihil quod est homo currit*; vel, *aliquid aliud ab homine currit*.

Not only A is B Alia regula est: quando argumentatur a propositione 35 *... no A is B*, habente plures causas veritatis ad unam illarum, non is a false inference, valet consequencia; ut: *non tantum homo currit*: ergo,

37. u'it².

11. It is not quite clear why Wyclif assimilates this case to the preceding one. The genitive of course produces a certain exclusion in the sense, but by no means equal to the particle *only*. 17. This formula is the very exposition of the exclusive affirmative. See above, p. 49.

nihil quod est homo currit; quia posito, quod homo et asinus currant tunc est antecedens verum et consequens falsum. Sed argumentando ab una causa veritatis ad propositionem habentem aliam causam, est consequencia bona; ut, nihil quod est homo currit: ergo, non tantum homo currit. Nota quod quando diccio exclusiva additur diccioni significanti numerum ultra binarium illa proposicio potest exponi duobus modis; scilicet racione aletatis et racione pluralitatis; ut ista: *tantum 12 sunt apostoli Dei;* potest sic exponi: *12 sunt apostoli Dei, et non alii quam 12 sunt apostoli Dei.* Et sic minor est falsa.

Propositions including numbers:
A is only 12,
A is 12 and A is
nothing but 12;
or A is 12 and
A is no more
than 12.

11. *Non alii etc.* is a false minor, because 11, 10, 9, etc. are numerical attributes of the Apostolic College; no such attribute, however, that is *more than 12* is admissible. See p. 55, l. 10.

CAPITULUM DECIMUMQUINTUM.

Which are the particles denoting exception. Dicto iam de exclusivis, dicendum est de exceptivis. Et sunt termini exceptivi: *preter quam* et *nisi* et aliqua que illis equivalent. Et differunt in hoc, quia duo primi excipiunt indifferenter a distribuzione affirmativa vel 5 negativa. Et sunt exceptivarum quedam affirmative et quedam negative; omnes tamen proprie. Exceptive sunt universales, ut patet de talibus: *Omnia preter Deum sunt creata; Omnis res preter substanciam est accidens; nemo est bonus nisi solus Deus; vel nihil preter Deum est 10 omnipotens.*

How to expound affirmative propositions of this sort Every *A*, except *B*, is *C*: i. e. Every *A* that is not *B* is *C*. Unde debet pro regula observari, quod quelibet exceptiva affirmativa exponi debet per universalem affirmativam, communicantem cum exceptiva in extra captus; et predicatum est synonymum cum priori. Verbi gracia, sic dicendo: *Omnis res preter substanciam est accidens*; ista debet sic exponi: *Omnis res non substancia est accidens, et substancia non est accidens*: ergo, 20 *omnis res preter substanciam est accidens*. Maior communicat cum exclusiva in subiecto et predicato; et subiecto additur iste terminus *non substancia*, que est oppositum istius termini, *substancia*; et iste terminus, *substancia*, est pars extra capta in exceptiva; et predicatum minoris est synonymum cum predicato exceptive et prime exponentis.

There are thus four elements in every such proposition: 1. A, the quantitative whole in which the exception is found. Et notandum quod in omni exceptiva propria, quatuor requiruntur: scilicet, a quo fit excepcion, quia est subiectum quod vocari solet *totum in quantitate*, 30 affirmatum vel negatum; secundo illud respectu cuius fit excepcion, quod est predicatum; tercio, dicens excipiendum.

1. Capitulum deest.
5. diff're.

2. Initial D in blue ink.

3. aliquando.

piens, et quarto pars extra capta; ut hic in ista propositione exceptiva affirmativa: *Omnis res preter substanciam est accidens*; hoc subiectum *res* est illud a quo fit excepcionem, et hoc predicatum *accidens* est illud re-^{2. C, the predicate from which B is excepted;} except, &c. and 5 spectu cuius fit excepcionem, et diccio excipiens est hec diccio exceptiva *preter*, et pars extra capta est terminus iste *substanciam*. Preiacens exceptiva est illud quod remanet, demta diccionem exceptiva cum termino extra capto; ut preiacens istius: *Omnis res, preter substanciam est accidens* est proposicio falsa, *omnis res est accidens*.

^{3. the term excepted.}
^{4. B, the excepted term.}
The proposition without the exception
(*Every A is C*)
is called the prejacent.

Si autem fuerit exceptiva negativa, potest pro secunda [regula] observari quod prima exponens erit universalis negativa, communicans cum exceptiva in utroque extremo, addendo subiecto oppositum termini extra capti; et 15 secunda exponens erit affirmativa habens subiectum synonymum cum termino extra capto, et predicatum synonymum cum priori predicato; ut ista: *Nemo est bonus, nisi solus Deus*; sic significat quod | *nemo est de se bonus, nisi solus Deus*. Et ista debet sic exponi: 20 *Nemo non solum Deus est bonus, et solus Deus est de se bonus*. Et ista, *nemo preter Christum est omnipotens*, debet sic exponi: *nemo non Christus est omnipotens; et Christus est omnipotens*.

Exposition of negatives:
No A, except
B, is C; i. e.
No A that is
not B is C, and
Every B is C.

Alia regula est ista: Omnis exceptiva propria repugnat 25 sue preiacenti: ut iste propositiones repugnant: *Omnis res preter substanciam est accidens, et omnis res est accidens*; et iste due repugnant: *Nemo preter Christum est omnipotens, est omnipotens et nemo est omnipotens*.

Every A but B is C, and *Every A is C, or No A is B is C*; and *No A but B is C, and No A is C, cannot both be true.*

Alia regula est ista: Ab exceptiva affirmativa ad 30 exceptivam negativam est consequencia bona, et e contra; ut sic argumentando: *omnis res preter Deum est creatura*; ergo, *omnis res non Deus est creatura et Deus non est creatura* et e contra. Item, sic: *nemo preter Christum est omnipotens; nemo non Christus est omnipotens, et Christus est omnipotens*.

Every A but B is C. *Every A not B is C*; and *No A but B is C*; likewise *No A but B is C*, and *No A is B is C*; and *every B is C, are true inferences*.

Alia regula est ista quod Omnis universalis, habens aliquas singulares veras et aliquas falsas, potest verificari per excepcionem partis false; ut ista universalis: *Omnis res est substancia* habet multas veras et multas falsas. 40 Sed excipiendo partem falsam per diccionem excipientem, tunc verificatur illa proposicio sic dicendo: *Omnis res that are not C's. preter accidens est substancia*.

Every A but B is C may mean either Every B or Every C; and No A that is less than B is C; potest habere talem sensum: Deus non fecit plura elementa, or Every B differs from C quam quatuor et Deus fecit quatuor elementa; and No A that is not B differs from C.

Sed ulterius notandum quod exceptiva sic potest ex-
is ut sic, dicendo: *Deus non fecit nisi quatuor elementa,*
Every A that is less than B is C; potest habere talem sensum: *Deus non fecit nisi quatuor elementa,*
or Every B differs from C quam quatuor et Deus fecit quatuor elementa; et sic sensus 5
and No A that is not B differs from C. est verus; vel potest facere talem sensum, gracia nega-
tionis, vel alietatis: *Deus non fecit nisi quatuor elementa*
vel alia quam quatuor, et Deus fecit quatuor elementa.
Et iste sensus est falsus, quia Deus fecit duo elementa
vel et tria elementa, et duo vel tria sunt tam nota 10
quatuor quam eciam alia quam quatuor. Et talis so-
phisticacio potest fieri in talibus propositionibus. *Sor*
non est non homo. Ista potest sic predicari: *Sor est homo,*
et *Sor non est non homo vel aliud quam homo;* et talis
sensus est verus. Vel ista potest sic predicari: *Sor est 15*
homo, et Sor non est plus quam homo; sed hoc est
falsum; quia ipse est *albus, sapiens, sacerdos, animal,*
substancia, et sic esse plus esse quam esse solum hominem.
Et ideo debemus predicare tales propositiones: *Christus*
non est nisi Deus; ista est falsa, quia Christus est tam 20
Deus quam homo; et hec est falsa, quod *homo non est*
nisi corpus, quia ipse est tam corpus quam anima, et
compositum ex his. Sed notandum quod tales propo-
sitiones exceptive non sunt proprie exceptive, nisi fuerint
universales affirmative, vel negative. 25

10. no. 18. ēē plus ēē.

7. Here the exposition is negative. Logically it ought to stand thus: *Nulla elementa nisi quatuor, sunt facta a Deo* (No A but B is C) which can mean either *Every A is C and no A that is more than B is C;* or *Every A is C, and no A that is other than B is C.* 18. I should certainly have thought that the text was corrupt here, had I not found an expression exactly similar when Wyclif returns to the same subject in *Logice Continuacio.*

CAPITULUM DECIMUMSEXTUM.

Sequitur de copulativis. Ubi notandum primo pro regula quod si altera pars copulative sit falsa, tota copulativa erit falsa; ideo, si sit vera, oportet quod utraque eius pars sit vera, si teneatur copulative. Verumtamen aliquando talis copulativa potest teneri kategorice; et tunc potest esse vera, quamvis quelibet eius pars sit falsa; ut: *non est ita quod Deus est, et homo est asinus*. *Not A is B and C is D*. To be true, both parts must be true; unless it is taken categorically thus: *C is D*, supposing that *not* denies only the union, not separately. Potest enim ista intelligi kategorice. Si hec negacio, non, cadit super actum principalem copulandi (et consequenter super utrumque) est kategorica negativa et vera; quia illa tantum significat quod *falsum est Deum esse, et hominem esse asinum, simul*. Vel illa potest intelligi copulative, ita quod negacio solum cadat super primum actum: et talis sensus est impossibilis, quia illa significat quod *ita est quod Deus non est, et ita est quod homo est asinus*.

Alia regula: a tota copulativa ad alteram eius partem est consequencia bona; ut: *tu es homo et tu sedes*; *A is B and C is D*; *is B*; *A is B*; ergo *tu sedes*. Et nota, quod hec coniunctione, et aliquando tenetur copulative et aliquando copulativum. Tenetur copulative quando copulat inter propositiones. Tenetur copulativum quando copulat inter terminos. Copulative tenetur; ut, sic dicendo: *Terra autem erat inanis et vacua, et tenebre erant super faciem abyssi*, | Tenetur copulativum in talibus: *In principio creavit Deus celum et terram; Deus fecit hominem ad ymaginem et similitudinem suam*.

Alia regula est ista: a parte copulative ad totam copulativam non valet consequencia, sed est fallacia consequentiae. *A is B and C is D* is a false inference;

1. Cap. *deest*. 2. *Initial S in red ink.* 13. *similiter pro simul; ib. animal pro vel. 27, 28. copulativam*.

28. **Fallacia consequentiae.** This fallacy is perhaps the most general of all, since all may be resolved into it; it is in the form of a conditional syllogism, in which the condition is inferred from the conditioned proposition. *If Pompey killed Caesar, Caesar is dead; but Caesar is dead; ∴ Pompey killed Caesar*. In this case it would be: *If (A is B and C is D), then A is B; but A is B. ∴ (A is B and C is D)*.

but, *A B is C*: quentis; sed quando secunda pars copulativa est ante-
 . . . *A is C and B is C*, a true cedens ad aliam partem copulativa, tunc argumentando
 one. ab illa parte que est antecedens ad totam copulativam,
 valet consequencia: ut *homo currit*: igitur, *homo currit*
et animal currit.

The Alia regula est quod contradictorium copulativa est
 contradictory of una disiunctiva facta ex oppositis partibus illius copu-
Every lative; ut, contradictorium illius copulativa *mundus per*
A is B and some C is not D, would be: *ipsum factus est et mundus eum non cognovit*, est ista
Either some A is not B, or disiunctiva: *nullus mundus per ipsum factus [est] vel omnis 10*
every C is D. mundus eum cognovit.

10. est *deest.*

CAPITULUM DECIMUMSEPTIMUM.

Sequitur de disiunctivis.

Prima regula est ista: argumentando a tota copulativa disiunctiva ad alteram eius partem cum opposito unius partis, est consequencia bona; ut: *tu sedes vel tu loqueris*: sed *tu non sedes*: ergo, *tu loqueris*. Vel sic: *peccatum est bonum, vel caritas est bona; sed nullum peccatum est bonum: ergo caritas est bona*.

Alia regula est ista: a tota disiunctiva ad alteram eius partem sine opposito alterius partis non valet consequencia generaliter; ut ista consequencia non valet: *Sor bene agit, vel Plato bene agit*: igitur, *Plato bene agit*. Sed tamen quatuor modis tenet consequencia a tota disiunctiva ad alteram eius partem sive opposito alterius partis. Primo modo, quando una pars est sequens ad aliam; ut: *tu es caritativus, vel tu es virtuosus*: ergo, *tu es virtuosus*. Secundo modo, quando una pars est inferior ad aliam, tunc ad partem superiorem argumentando consequencia est bona; ut: *homo currit vel animal currit*; igitur *animal currit*. Tercio modo, quando una pars est possibilis et alia impossibilis. Tunc argumentando ad partem possibilem est consequencia bona; ut: *tu es asinus vel tu curris*: ergo, *tu curris*. Quarto modo, quando una pars est necessaria et alia impossibilis vel contingens; tunc argumentando ad partem necessariam est consequencia bona; ut: *nihil est vel Deus est*: ergo, *Deus est*: *Tu es Rome vel Deus est eternus*: igitur, *Deus est eternus*. Et nota quod hec diccio, *vel*, aliquando tenetur *disiunctive*, aliquando *disiunctim*. Tenetur *disiunctive* quando disiungit inter proposiciones. Et tenetur

Of disjunctive propositions;
Either *A* is *B*
or *C* is *D*;
A is not *B*,
C is *D* is a true inference;
and vice versa.

But, unless we posit
A is not *B*,
C is *D* is a false inference,
except in these cases, which infer rightly:

1. *A* is *BC* or
A is *C* ∵ *A* is *C*.

2. *AB* is *C* or
B is *C*:
∴ *B* is *C*.

3. *A* is not *A* or
A is *B*:
∴ *A* is *B*.

4. *A* is *B* (a proposition known to be false) or *C* is *D*: ∵ *C* is *D*.
Or unites propositions 'disjunctive', and terms 'disiunctim'.

1. Cap. *deest*. 2. *Initial S in blue ink*.

15. *Caritas* meaning *virtus dilectiva Dei*, and *homo* standing for *animal rationale*. I have represented them in the marginal notes by BC and AB respectively.

disiunctim quando ponitur inter terminos. Exemplum primi, ut hoc: *Deus est*, vel *homo est asinus*; exemplum secundi; ut hic: *tu es homo* vel *non-homo*.

The contradictory of *Either A is B or C is D, is* Alia regula est ista: Contradictorium disiunctive *est* tive; ut contradictorium istius: *tu curris vel tu moveris, A is not B and C is not B.* est hoc: *Tu non curris et tu non moveris.*

6. non curris *pro* moveris. 7. mon'tis.

CAPITULUM DECIMUM OCTAVUM.

Dicto de modo argumentandi, dicendum est de modo exponendi propositiones et addendum contradictoria earundem.

How to expound propositions and take their contradictories.
Every A is B;
i. e. *A is B,*
and *no A is not-B.*

5 Et primo de universalis affirmativa. Sed nota quod universalis affirmativa potest probari dupliciter: scilicet, inductive per suas singulares, ut superius patet; vel exponitur isto modo: *Omnis homo est iustus; homo est iustus et non est homo non iustus;* igitur, *omnis homo est iustus.* Et universalium quedam tenentur in recto, quedam in obliquo et quedam sunt de simplici subiecto et de simplici predicato; et quedam de copulato subiecto et de copulato predicato; et quedam de disiuncto predicato et subiecto.

Different sorts of universal propositions, according to the form of words that express them.

15 Et primo sciendum est de exposicione universalium aliquorum de simplici subiecto et de simplici predicato. Unde tenendum est pro regula quod quelibet universalis affirmativa exponenda debet exponi per suam subalternam et universalem negativam convenientem in subiecto, sed de contradictorio predicato; ut ista: *omnis iusticia est virtus,* debet sic exponi: *iusticia est virtus, et non est aliqua iusticia non virtus;* igitur etc.

When the subject is in the nominative singular or plural, the formula is as above;

13^b Exemplum secundi | de universalis affirmativa in obliquo et in singulari numero: *Cuiuslibet sancti existentis in celo anima est beata* [debet sic exponi: *Alicuius sancti in celo anima est beata*] et non est sanctus in celo cuius anima est non beata: igitur etc. Exemplum universalis affirmative de recto et in plurali numero: *Omnia creata per Deum facta sunt* [debet sic exponi: *Aliqua creata per deum facta sunt, et non sunt*] aliqua creata que per ipsum facta non sunt: igitur etc. Exemplum de universalis affirmativa in obliquo et plurali numero; ut: *omnium fide-*

when it contains another case, thus:
Every A's B is C; i. e. *Some A's B is C and no A's B is not C.*

1. Cap. *deest.* 2. *Initial D in rea ink.* 15. aliorum. 25, 26. debet — et non *deest.* 29, 30. *facta sunt — et non sunt deest.*

*lum aliqua est constancia, exponitur sic: Aliorum fide-
lum aliqua est constancia; et nulli sunt fideles quorum
non aliqua est constancia: igitur etc.*

If the subject be Exemplum de universalis affirmativa in recto et copulativa:
C and D is E; homo albus et iustus bene agit. Illa debet sic exponi:
that is:
Some B that is aliquis homo albus et iustus bene agit, et non est homo
C, and D is E, albus et iustus qui non bene agit: igitur etc. Exemplum
is C and D is de universalis affirmativa et de copulato subiecto et in
not E.
In the plural: plurali numero; ut hic: *omnis homo et duo homines* sunt
All together, B, C and D tres. Ista sic exponitur: *'homo et duo homines' sunt tres*
are E; i. e. et non est *'homo et duo homines'* qui non sint tres, igi-
B, C and D are
E, and no B, C tur etc.
and D are
not E.

If the subject be disjunct, iecto et in singulari numero, ut *omne peccatum vel*
be disjunct:
Every A or B virtus est virtus sic exponitur; *aliquid peccatum vel*
is C; i. e.
some A or B virtus est virtus, et nullum est peccatum vel virtus que
is C, and no A non est virtus: igitur etc. Et patet quod ista universalis
In the plural a est vera. Exemplum de universalis affirmativa de dis-
like formula; so iuncto subiecto in plurali numero; ut: *omnes homines*
also for the *vel angeli tenentur diligere Deum.* Ista sic exponitur:
different cases.
Aliqui homines vel angeli tenentur diligere deum et non
sunt homines vel angeli qui non tenentur diligere Deum:
igitur etc. Exemplum de universalis affirmativa de dis-
iuncto subiecto, et in obliquo, et in singulari numero;
ut: *ab omni homine vel asino angelus differt.* Illa sic
exponitur: *ab aliquo homine vel asino angelus differt;* et
non est homo vel asinus a quo angelus non differt, igi-
tur etc.

When the Exemplum de universalis affirmativa, cuius principale 30
principal verb verbum est preteriti temporis et singularis numeri; ut:
is in the past *omnis sapiencia fuit semper cum Deo.* Ista sic exponitur:
tense:
All A was B; omnis sapiencia fuit semper cum Deo. Ista sic exponitur:
i. e. some A was B, and no A Aliqua sapiencia fuit semper cum Deo, et non est vel
past or present fuit sapiencia que fuit non semper cum Deo, igitur etc.
A was not B.
Or in the future Exemplum de universalis affirmativa in obliquo et in 35
with a word in singulari numero, cuius principale verbum est verbum
the genitive case.
Every A's B will be C; i. e. de futuro: ut *cuiuslibet electi anima erit beata.* Ista ex-

6—8. *Agit.* The MS. has *agunt* consistently three times; but as I do not think that *in singulari numero* can refer only to the subject, I have ventured on this correction. 31. In these and the following examples the author points out how the notion of time, possibility, &c., affecting the copula, also affect the subject.

ponitur sic: *alicuius electi anima erit beata et non est some A's B willt electus, vel erit electus, cuius non anima erit beata,* *be C, and no present or future A's B willt not be C.*
 igitur etc.

Exemplum de universalis affirmativa in recto, cuius With the verb
 5 principale verbum est hoc verbum *potest*; ut: *omnis can': Every A homo potest bene facere.* Ista sic exponitur: *Aliquis homo Some A can potest bene facere, et non est homo vel potest esse homo nothing that is non potens bene facere:* igitur etc. Exemplum de universalis affirmativa in obliquo, cuius principale verbum A last example:
 10 est hoc verbum *potest*. Ut: *cuiuslibet iusti anima potest esse beata* [sic exponitur: *alicuius iusti anima potest esse beata*] et non est *iustus vel potest esse iustus, cuius anima non potest esse beata:* igitur, *cuiuslibet iusti anima potest esse beata.* Exemplum universalis affirmative de disiuncto
 15 subiecto, cuius principale verbum est preteriti temporis; ut: *omnis prudencia vel iusticia fuit virtus.* Illa sic exponitur: *Alqua prudencia vel iusticia fuit virtus et nulla est vel fuit prudencia vel iusticia que fuit non virtus:* igitur etc.

11, 12. sic — *beata deest.*

CAPITULUM DECIMUMNONUM.

How to Iam consequenter dicendum est de aliis expositionibus
expound the verb "differs
from."

A differs from B. i. e. *A is C* vel *non idem* que eodem modo confundunt terminum; 5
and B is C, and *A is not B.* ut: *Petrus differt a Paulo.* Ista sic exponitur; *Petrus est,* et *Paulus est,* et *Petrus non est Paulus:* Igitur etc. Similiter ista: *homo est aliud ab asino* debet sic probari: Prima debet sic resolvi: *homo est aliud ab asino,* et *hoc est homo:* 10 igitur etc.; quia est regula generalis quod in omni propositione predicanda primus terminus in oracione probabilis debet predicari; et tunc ulterius debet ista singularis exponi ratione huius termini, *aliud;* ut: *hoc est aliud ab asino,* sic exponitur: *Hoc est,* et *asinus est,* et *hoc non est asinus:* 15 igitur etc. Et eodem modo exponitur | proposicio ratione illius termini *non idem* etc.

1. Cap. deest. 3. Initial I in blue ink.

7. As *est* here "predicat ^{2^m adiacens", i. e. means *is something* or *is existing,* I have represented the predicate by a separate letter in the marginal notes. 10 I am not quite sure of Wyclif's meaning here; but I think it amounts to this. A differs from B. A¹ (any of the individuals A¹, A², A³ &c. comprised in its extension) is A: so A¹ differs from B. Then: A¹ is C (something) and B is C, and A¹ is not B. But I do not see the necessity of descending to singular propositions; or, if this must be done, I do not see why the general term B ought not to be analyzed in like manner.}

CAPITULUM VIGESIMUM.

Sed proposicio exponenda ratione istius termini *Incipit vel Desinit sic exponitur*; ut ista proposicio: *Sor incipit esse*, sic exponitur: *Sor nunc est, et ipse immediate ante hoc non fuit: igitur* etc. Vel sic: *Sor iam primo est et ipse immediate ante hoc non fuit: ergo, Sor incipit esse*. Sed hoc verbum, *desinit*, alio modo exponitur per posicionem de presenti et per remocionem de futuro; ut ista: *Petrus desinit esse*, sic exponitur: *Petrus nunc est, et ipse immediate post hoc non erit: igitur* etc. Vel sic: *Petrus iam ultimo est; ergo Petrus desinit esse*. Et notandum quod omne quod incipit esse vel desinit esse incipit vel desinit esse per posicionem vel affirmacionem de presenti, quia incepcio dicit primum instans *esse* rei, et desinio dicit ultimum instans *esse* rei. Et hec diversitas est incepctionis et desinicionis.

Exemplum exponendi proposicionem ratione istius termini, *sicut*; ut: *Petrus est ita sapiens sicut Paulus*. Illa sic exponitur: *Petrus est sapiens et Paulus est sapiens et neutra pars comparatorum est sapiencior altera illa: igitur* etc. Et ista est comparacio ratione positivi gradus. Exemplum de proposizione exponenda ratione comparativi gradus; ut: *Deus est sapiencior Petro vel quam Petrus debet sic exponi: Deus est sapiens, et Petrus est sapiens, et Petrus non est ita sapiens sicut Deus; igitur* etc. Exemplum de proposizione exponenda ratione superlativi gradus; ut: *Christus est sapientissimus hominum*. Illa sic exponitur: *Christus est homo sapiens, et homines sunt gradatim sapientes, et nemo non Christus est ita sapiens sicut ille: ergo Christus est sapientissimus hominum*. Sed quia aliquando possunt multi habere simul gradum denominacionis superlativa, ideo oportet accipere pro ultimo exponente universalem negationem.

How to expound beginning and ceasing.
A begins to be B; i. e.
A is B now and A was not B just before.
And A ceases to be B; i. e.
A is B now, and A will not be B the next instant.

But there is a tivam de comparativo; ut, quia multi possunt esse primi supremacy which admits et multi novissimi, ideo oportet sic exponere tales pro-equals; in that posicionem: *Sor est primus istorum:* Sor est pro ordine case we should istorum quo nullus istorum est prior: igitur, Sor est say:
A is the most B primus istorum. 5
of C's; i. e.
A is B and C's
are more or less
B, and no C's
are more B 3. pridem *pro* pro ordine.
than A.

2. As an analysis of comparative propositions, this will no doubt be found unsatisfactory. To expound equality, superiority comes in (neither A is *more* B *than* C, &c.); to expound superiority, equality; to expound supremacy, both. But the fact is that such propositions cannot in reality be analyzed, because comparison is a primitive mental act, implied in all judgments. See Introduction.

CAPITULUM VIGESIMUMPRIMUM.

Termini officiales dicuntur tales termini qui important aliquod ministerium vel officium positivum vel privativum, ratione quorum proposiciones in quibus ponuntur debent officiari; et specialiter tales qui concernunt actum mentis; ut *scire*, *intelligere*, *velle*, *nolle*, et sic de ceteris.

Et proposicio probanda ratione termini officialis habebit duas officiantes, ut ista: *scio Deum esse*, debet sic officiari: *Ista proposicio est scita a me*, “*Deus est*” que *A* is *B*, *is known by me*, and it *primarie significat deum esse*; igitur etc. Et sic similiter ista: *Ego intelligo Deum esse summum bonum*, sic pro- batur: *Ista proposicio est intellecta a me* “*Deus est sum- mun bonum*”, que *primarie significat Deum esse summum bonum*: ergo etc. Hic argumentatur ab omnibus officiantibus ad eorum officiatum: igitur consequencia bona. Et similiter tales proposiciones debent officiari: *Verum est primam causam causare effectum*; *nullum Deum esse est falsum*; quia, quando terminus officialis similiter precedit dictum propositionis, vel finaliter subsequitur, tunc tenetur in sensu concreto, et debet officiari prima proposicio effective; sic: *Ista proposicio est vera*, “*prima causa causat effectum*,” que *primarie significat primam causam causare effectum*: igitur *verum est primam causam causare effectum*. 2^a sic probatur: *ista proposicio est falsa nullus Deus est* que *primarie significat nullum Deum esse*; ergo *nullum Deum esse est falsum*. Sed tales proposiciones: *Necesse est Deum esse*, *contingens est anti-christum esse*, possunt resolvi et exponi et officiari. | Sic resolvitur talis proposicio: *Hoc est Deum esse*, demon- strando veritatem eternam, que est Deus; et *hoc est necesse*: ergo, *necesse est Deum esse*. Et ista exponitur sic: *Non potest esse quin Deus est*: ergo, etc. Et ista offi-

‘Official’ terms
are those which
express
something
performed on
the abstract
meaning of the
proposition;
mostly an act
of the mind.

*I know that A
is B*; i. e.
*this proposition
means that
A is B*.
To argue from
the act
performed, to
the performance
of the act, is a
legitimate
conclusion.

Other such
propositions:
It is true that
It is false
that . . . It is
necessary that
&c., are
expounded in
like manner.

ciatur: *Talis proposicio est necessaria, "Deus est", que primarie significat Deum esse; ergo, necesse est Deum esse.* Et eodem modo de impossibili, de possibili, et de contingenti.

Terms are either mediati or immediate; mediate terms have other less general ones comprised in their extension; immediate terms are singular, and may be proper nouns, pronouns or adverbs.

Notandum quod aliqui termini sunt mediati et aliqui immediati. Termini mediati sunt tales qui habent terminos inferiores ac per que possunt probari; ut: *homo, animal, necessario, scio, verum, falsum.* Termini immediati sunt tales qui non habent terminos inferiores per quos possunt probari, ut pronomina demonstrativa ¹⁰ et adverbia demonstrativa; ut: *hic, iste, ibi, tunc, sic* etc. Et semper terminus mediatus, si sit resolutibilis, debet probari per terminum immediatum, ut iste: *homo currit, sic resolvitur: Hoc currit: et hoc est homo, igitur homo currit.* Alia proposicio: *Cras ero episcopus, sic* ¹⁵ resolvitur: *tunc ero episcopus:* demonstrando crastinam diem per *ly* "tunc"; et *tunc erit cras: igitur, etc.* Ista proposicio: *alicubi Deus est, sic probatur: ibi Deus est, et "ibi" est alicubi; ergo etc.* Et ista proposicio: *aliquid ego moveor; sic probatur: Taliter, vel sic, ego moveor;* ²⁰ et "taliter" est aliquid; ergo, etc.

14. After resolvitur hoc pro homo.

CAPITULUM VIGESIMUMSECUNDUM.

Suppositis paucis introductoris precedentibus, ad aliqualem cognitionem de propositionibus, restat iam ulterius videre de obligacionibus. Ubi primo notandum, quod obligacio est quedam ars obligans respondentem ad respondendum affirmative vel negative secundum libitum proponentis.

Et notandum quod due sunt species obligacionis: scilicet, posicio et depositio. Posicio est obligacio mediante qua respondens tenetur respondere affirmative, vel aliquis ponit tibi aliquam talem, pono tibi istam: *Antichristus est*; si ista sit possibilis, debes admittere; et quando ipse proponit, debes concedere: et hoc est affirmative respondere. Depositio est obligacio mediante qua respondens tenetur respondere negative.

Prima regula est hoc. Omne tibi positum et a te admissum sub forma positi propositum, scitum a te fore tale durante tempore obligacionis, est a te concedendum. Intellexus istius regule est talis: Quod, si fuerit aliqua proposicio tibi posita a te admissa, si bene velis respondere ad illam ubicunque proponatur, [illa,] vel aliqua sequens ex ea est a te concedenda durante tempore obligacionis. Verbi gratia; pono tibi istam: *Antichristus est Rome*. Ista est possibilis; ideo admittatur. Deinde proponatur, et concedatur, quia omne tibi positum etc.

Deinde proponatur: *Antichristus est homo*; concedatur tanquam ex ea sequens, quia omne formaliter sequens ex posito est a te concedendum; et formaliter sequitur *Antichristus est Rome*: ergo, *Antichristus est homo*. Deinde, si proponatur ista: *Nullus Antichristus est*, negatur, tam-

Rules.
1. During the whole exercise, the proposition, once admitted as true, is to be considered as such.
Therefore, any other proposition, if following from the first, is also to be admitted;

1. Cap. *deest*; a blank space of three lines. 2. Initial S in blue ink with red tracery. 4. Obligatoria in marg. in red ink. 11. a'q̄ tam. 21. illa *deest*.

28. *Formaliter sequitur*. Not from the circumstance of being in Rome, but from the very idea of Antichrist.

quam repugnans, quia ista est regula: Omne repugnans posito a te est negandum. Deinde proponatur *Antichristus est contrarius Christo*. Concedatur, quia hoc significat nomen eius. Deinde, si ponatur ista: *Antichristus viciose vivit*; est sequens ex posito, vel bene concesso, vel concessum durante tempore obligacionis: est a te concedendum. Et formaliter sequitur: *Antichristus est homo, et ipse est contrarius Christo; ergo Antichristus viciose vivit.* |

2. Whatever follows from the junction of two propositions, one denied in reality, and the other during the exercise, is to be admitted, whatever the consequence may be.

3. If a proposition is irrelevant to the obligatory one, it must be answered as it is known; admitted as true, denied as false, or doubted as uncertain.

Alia regula est ista: omne formaliter sequens ex posito cum opposito bene negati, vel cum oppositis bene negatorum durante tempore obligacionis, est a te concedendum. Ut, pono tibi istam: *Omnis homo est Rome*, admitto. Deinde propono istam: *Tu es Rome*, negatur, quia falsa et impertinens. Deinde propono tibi istam: *tu es homo*; negatur, quia repugnat posito cum opposito bene negati. Deinde propono: *tu non es homo*; conceditur, quia sequitur ex opposito cum opposito bene negati, quia sequitur: *omnis homo est Rome*; *tu non es Rome*: *igitur tu non es homo*.

Alia regula est ista: Ad impertinens respondendum est secundum suam qualitatem. Hoc est: si sit aliqua proposicio et impertinens scita a te esse vera, est a te concedenda. Si sit falsa et scita a te esse falsa, est a te neganda. Et si sit dubia, scita a te esse dubia, est a te dubitanda. Pertinens casui est illud quod sequitur vel repugnat. Impertinens casui est illud quod nec sequitur nec repugnat; ut pono tibi istam: *Sor vivit caritative per totam vitam suam*: admitto, propono, concedo. Deinde propono: *tu es homo*; concedatur, quia verum et impertinens: verum est de facto. Et est impertinens, quia non sequitur nec repugnat posito; quia non sequitur, *Sor vivit caritative per totam istam horam*; ergo, *tu es homo*; nec repugnat. Sed stant bene simul quod *Sor bene vivit per totam vitam suam*, et quod *tu sis homo*. Et si proponatur talis proposicio, *Sor placebit Deo per totam vitam suam*; conceditur, quasi sequens et pertinens; quia sequitur, *Sor vivet caritative per totam vitam suam*; ergo *Sor placebit Deo*, et cetera. Et si sumatur in eodem casu: *Nullus Sor bene vivit*, negatur, quasi repugnans et pertinens; quia ista duo non possunt stare simul in veritate, quod *Sors caritative vivit per totam vitam suam*, et *nullus Sor placet Deo*.

Alia regula est ista: propter possibile posatum non est impossibile per se concedendum, nec necessarium per se negandum; ut propter talem casum posatum, quod *omnis homo est Rome*, non debo concedere quod *homo est asinus*, nec aliquid aliud impossibile. Nec debo in eodem casu negare quod *Deus est* nec aliquid tale necessarium.

Alia regula: Duo contradictoria ab eodem non sunt concedenda nec neganda infra idem tempus obligacionis; 10 ut, si hoc sit concessum a te in casu quod *omnis homo est virtuosus*, non debet in eodem casu concedere quod *nullus homo est virtuosus*, nec negare illa simul.

Sciendum quod duplex est posicio, scilicet posicio simplex et posicio composita. Simplex posicio est quando ponitur aliqua kategorica. Posicio composita est quando ponitur aliqua yppothetica. Nunc determinandum de posizione simplici, et videndum qualiter faciendum sit ex parte opponentis et ex parte respondentis. Opus opponentis est ponere, et proponere, quoisque videat 20 respondentem male respondere. Opus respondentis; ita sustinere positum, ne videatur deduci ad aliquod inconveniens. Et si positum sit admittibile, admittatur; et si sit impossibile, negetur.

Primum sophisma. Pono tibi istam, *tu es mortuus*; 25 admittatur, quia possibile est esse sicut ista significat.

Deinde, ipsa proposita, consideratur, si proponitur: *tu es virus*, negatur, quia repugnat posito si proponatur. Tu respondes: *negatur*, quasi repugnans posicioni. Et si dicitur: *ex hoc sequitur quod negas proprium actum*, 30 dicitur quod non; | quia, si hoc sit verum quod *tu es mortuus*, *tu non habes proprium actum respondendi nec negandi aut concedendi*; nec alicuius alterius accionis; quia sic *tu non es in isto casu nisi tenendo illam opinionem* quod *tu es anima tua*, quia tunc tu debes concedere, 35 quod *simul es mortuus secundum corpus et vivus secundum animam*. Sed tunc propositiones possunt formari isto modo: *tu es corporaliter virus*; et tunc debet illa negari, nisi fuerit ita quod tenueris istam opinionem quod *omne quod fuit, vel est, erit*. Et per istam opinionem debet ista concedi quod 40 *tu es corporaliter virus in tali casu, quo fueris mortuus*;

4. Nothing absolutely impossible should be admitted; nothing absolutely necessary denied; the obligation is to be admitted only if possible.

5. Two contradictory propositions must not be admitted during the same exercise.

Simple 'position' having to do only with categorical propositions, the duties of the opponent and the respondent in this case are now to be explained.

The former has to do all he can to make the latter reply badly; the latter must not let himself be led into any absurdity; if he grants v. g. that he is dead, he must deny that he is answering now, or take a distinction, following one opinion or another, as he may choose.

22. admittile. 29. negans. 33. si pro sic.

7. As what is possible may be false but cannot be absurd, it would be bad logic to admit that an absurdity can follow from it.

quia ante mortem tuam continue dum vixisti tu eras corporaliter vivus. Sed adhuc oppositiones possunt formare propositiones isto modo, proponendo istam: Tu es virus corporaliter in hoc instanti, vel nunc, et tunc habes necessarie illam tamquam repugnans positioni. 5 *Et sic homo potest diversimode secundum diversas opiniones respondere.*

How to answer the sophism which, on the hypothesis that one hand does not and the other does exist, proves that *Every hand exists*, there being no more than one.

The consequence must be denied: or even that the other hand exists, if it is to mean *Every hand*.

Another sophism: if it is granted that no proposition is now put forward, the opponent proves the contrary by the fact that he puts forward one. This fact must be denied for consistency's sake.

Aliud sophisma. Pono tibi istam: *aliqua manus tua non est.* Admittatur quia possibile. Deinde proponatur: *aliqua manus tua est:* si concedatur, tunc argumentatur: 10 *Aliqua manus tua est; sed nulla est manus tua, nisi dextra vel sinistra: ergo, vel dextra manus tua est, vel sinistra manus tua est.* Si conceditur quod *dextra manus tua est et sinistra manus tua non est;* tunc fit: *dextra manus tua est et dextra manus tua est omnis manus tua;* ergo, *omnis manus tua est;* et per casum, *Aliqua manus tua non est;* ergo, contradiccio. Ad istud dicendum est admittendo positum. Et quando proponitur: *Aliqua manus tua est,* negatur quod bene sequitur: *aliqua manus tua non est:* ergo, *nulla manus tua est;* 20 et sequitur; *aliqua manus tua est:* ergo, *omnis manus tua est.* Immo, in casu quo aliqua manus tua non est, sic istam debes negare: *alia manus tua est,* sicut et istam: *omnis manus tua est;* quia equipollent. Nam regula est, quando hoc verbum, *est,* sine determinabili 25 precedente subiecto, predicit secundum adiacens in particulari, tunc equipolleat sue subalterne.

Aliud sophisma. Pono tibi istam. *Nulla proposicio est tibi posita.* Admittatur et concedatur. Deinde proponatur: *aliqua proposicio est tibi posita;* negatur, quia repugnat 30 posito. Sed contra, *ista proposicio est tibi posita, et ista proposicio est aliqua proposicio:* ergo, *aliqua proposicio est tibi posita.* Ad argumentum secundum conceditur consequencia et negatur antecedens pro maiori, quod *ista proposicio est tibi posita.* Contra, dicit opponens: ego 35 pono tibi istam propositionem; ergo *ista proposicio est tibi posita.* Conceditur consequencia, et negatur antecedens; *quod opponens ponit tibi aliquam propositionem;* quia in isto casu quo *nulla proposicio est tibi posita,* nemo tibi ponit propositionem. Ut sic, sicut respondens 40 debet aliquando negare proprium actum si repugnat

22. est almost effaced. 25. verum pro verbum. 26. subiectum pro subiecto.

casui, sic aliquando debet negare actum opponentis,
quando repugnat casui.

Aliud sophisma: pono tibi istam: *homo est asinus est* If it be granted
tibi positum: admittatur, deinde proposicio concedatur. that 'man is an
ass' is proposed, it
5 Tunc proponatur: *homo est asinus est a te concedendum:* does not follow
negatur. Contra: "*homo est asinus*" est *tibi positum et* that 'man is an
a te admissum sub forma positi propositum scitum a te ass' ought to
fore tale; ergo "*homo est asinus*" est *a te concedendum.* be granted; the
fact of the proposition is alone admitted.

Ad istud dicendum: *admitto casum.* Et quando pro-
10 ponitur: "*homo est asinus*" est *a te concedendum;* negatur
illud. Et ad argumentum, concedatur consequencia et
negatur antecedens; scilicet, quod "*homo est asinus*"
est *tibi positum,* quia ista proposicio "*homo est asinus*"
non est *tibi posita,* sed hoc totum: "*homo est asinus*"
15 est *tibi positum,* naturaliter sumendo est *tibi positum;*
et quando homo ponit talem posicionem simplicem,
ponit totum per casum et nullam eius partem. |

16^a *Aliud.* Casum pono tibi quod *Deus sit homo;* admittatur, Another example: Christ
quia verum. Deinde proponitur; conceditur. Deinde is God and
20 proponatur iste: *Deus est immortalis:* conceditur. Tunc man, mortal,
argumentatur sic: *Iste Deus* (demonstrando Christum) and immortal,
est immortalis, et ipse est mortalis: ergo, idem est mortale
immovable. The respondent must deny that
et immortale, et sic idem potest moveri et non moveri:
these are contradictory terms, since they do not refer to the same thing.
quod est contradiccio. Hic dicitur: admittendo casum
25 tamquam necessarium et verum, conceditur quod *idem Deus est mortalis et immortalis;* scilicet, immortalis
secundum divinitatem et mortalis *secundum humanitatem.*
Et quando argumentatur ad hoc: ergo, idem est mortale
et non mortale, negatur consequencia; quia isti duo
30 termini non eodem modo significant per omnia. Et sic
negatur ulterius quod *iste Deus non potest moveri* (de- If it be said
monstrando Christum); sed bene conceditur quod *ipse when dead, was
non potest moveri* et similiter quod *ipse non potest no longer a man, and that
moveri secundum deitatem.* Et si argumentatur: Ex hoc therefore He did not descend into Hell:
35 sequitur quod pro triduo corpus eius iacuit in sepulcro, the answer is that Christ was a man, dead according to the body, living according to the soul.
ipse non transivit ad inferos; quia tunc Christus non
fuit homo: negatur istud, quia pro illo triduo Christus
fuit homo tam mortuus quam vivus: mortuus scilicet,
secundum corpus, quod iacuit in sepulcro; vivus secun-

18. alius casus. 33. non *alia manu.*

4. *Concedatur* stands for the admission of the fact; *admittatur,* for the possibility. See p. 69, l. 24.

dum animam que movebatur ad inferos pro eodem tempore; et tamen secundum deitatem permanxit simpliciter immortalis. Et sic concedi debet quod eadem persona est divisibilis et indivisibilis, possibilis et impossibilis.

Another case put: two men during one hour acquire at the same rate, a certain amount of charity: at the end of the hour one dies and the other is alive. Each is as perfect as the other; but one has not acquired the last degree at the last instant; and the other has acquired an infinitely small amount, which can make no difference.

Alius casus. Pono quod Petrus incendatur in caritate 5 uniformiter per totam istam horam et Paulus similiter, scilicet a non gradu usque ad gradum B; ita quod Petrus incendatur in caritate usque ad finem istius hore exclusive; sic quod pro ultimo instanti istius hore Petrus sit mortuus, et quod Paulus vivat pro illo instanti. Admit- 10 tatur, tunc proponatur: Petrus erit ita perfectus sicut Paulus. Si conceditur: contra Petrus acquirit omnes gradus latitudinis caritatis, a non gradu usque ad gradum ut octo, et non acquirit gradum ut decem; sed Paulus acquirit gradum ut octo, et omnem gradum caritatis circa 15 gradum ut 8°; ergo, Paulus erit perfeccior quam Petrus. Si negatur (quod Petrus erit ita perfectus sicut Paulus) probatur hec sic: Paulus non acquirit ultra totam latitudinem acquisitam a Petro, nisi unicum gradum indivisibilem; sed nullum indivisibile additum divisibili facit 20 totum maius vel minus: ergo Paulus non erit perfeccior quam Petrus.

13. latīnis. 14. dicendo *pro* decem.

12, 13. *Gradus latitudinis.* The same expression occurs in *De Blasphemia* once, and many times in *Logicae Continuatio* without any abbreviation. It is impossible to suppose that the MSS. are wrong every where, and to substitute *altitudinis*; this would, however, be a more comprehensible term. 14. *Octo.* I have purposely left the numbers as they stand though I think that all ought to be either *octo* or *decem*.

LOGICE CONTINUACIO.

PROEMIUM.

Iuvenum rogatibus quibus afficior superatus, tres tractatus (Summulas, suppositiones et consequencias quas eis collegeram) consequentes pro faciliori doctrina superioris partis logice propono contexere; quorum primus probaciones pure categorice de *inesse* tam in generali quam in speciali seriatim dilucidat; secundus, de propositionibus exclusivis et exceptivis cum aliis famosis exponentibus de *inesse* et propositionibus modalibus, processum priorem prosequitur, probaciones ipsarum varias pertractando. Sed tertius de cunctis speciebus hypothetice quo ad earum probaciones in genere declarat, diffusius priorum logicorum sententiis, ut plurimum intendo. |

The author, at the request of his youthful disciples, follows up the preceding summary with three treatises: the first dealing with simple categorical propositions; the next with exclusive, exceptive and other well-known propositions; and hypothetical propositions dealt with at more length than by former writers form the scope of the third.

1. Titulus et Proemium desunt; blank space one line A. 3. Initial I in red ink AB.

1. The Prague MS. begins here; the Vienna readings will be henceforth denoted by A; those of the Prague MS. by B.

TRACTATUS PRIMUS.

CAPITULUM PRIMUM.

Given the definitions and divisions of the foregoing Summary, we shall deal with simple categorical propositions; but first show in general how any proposition may be proved.

Truth is the correspondence between a proposition and its primary signification;

whether categorical or hypothetical, every true proposition answers to a truth, which has logical being.
The primary meaning of a sign is that which a sign is chiefly taken to mean, in its most general sense.

Suppositis autem descripcionibus et distinctionibus terminorum summulis prelibatis, superest primo de probacionibus propositionum de *inesse* per ordinem pertractandum; et cum probare sit veritatem ostendere, ⁵ sicut inprobare est ostendere falsitatem, videndum est primo quomodo universaliter probandum est quamlibet propositionem esse veram.

Pro quo sciendum est quod universaliter et conver-
tibiliter, si aliqua proposicio significat primarie sicud ¹⁰ est, vel si suum primarium significatum sit veritas, tunc est vera; ut ista est vera: *omnis homo est*; quia primarie significat quod omnis homo est, et ita est quod omnis homo est. Iste eciam sunt vere, *Cesar fuit*, *ego non sum asinus*, *anticristus potest esse*, et cetera huiusmodi; ¹⁵ quia veritas est quod Cesar fuit, quod ego non sum asinus, quod anticristus potest esse, etc. Et illas veritates dicte propositiones primarie significant, et sic universaliter potes arguere de omnibus categoricis yppoteticis, et econtra. Iste tamen veritates nec sunt substanciali nec accidentia, ²⁰ sed encia logica vel encia racionis. Et voco primarium significatum signi cuiuscunq[ue], quod primo et principaliter apprehenditur toto signo; ut iste terminus, *homo*, primarie significat hominem, et hominem primarie significat in communi, sed nec istum nec illum, quocunque in- ²⁵ dividuo demonstrato, sed speciem vel naturam humanam, quam principaliter intellectui representat. Nec ista: *omnis homo est*, primarie significat quod iste homo est, vel quod omne ens est ratione verbi transcendentis

1. Capitulum Primum *deest* AB. 2. *Initial S in red ink* AB. 3. in summulis B. 4. pro ordinem B. 9. est *deest* B. 24. homo pro hominem A.

quod est pars dicte propositionis; sed primarie significat quod omnis homo est, quod primo et principaliter apprehenditur toto signo; et sic de omnibus similibus iudicandum.

5 Et ex isto patet quod tripliciter contingit signum significare secundarie quodlibet designandum: vel quia eius pars primarie vel secundarie illud significat, ut ista, *omnis homo est omne ens*, significat ratione significati primarii sui verbi. Vel quia illud continetur sub primario

B 1^b 10 significato aut saltem est primarie significabile | a signo of a part to the whole,

inferiori adsignans principale; ut ista: *Omnis homo est*, 2. By descending in which a sign may mean anything; 1. Either by extending the general meaning from the singular.

significat quocunque individuum speciei humane esse, sive fuerit, sive eciam non esset possibile ipsum esse.

Tercio significat signum per accidentis secundarie id ens 15 cuius apprehensionem memoriae est reducens; ut cogitando de Hectore, communiter cogito de Achile.

Et ex ipsis bene notatis patent tria: primo, quod quilibet proposicio, quantumcunque vera, cum falsificatur propter suum et secundarium significatum, significat

20 sicut non est nec eciam potest esse; sicut et quilibet proposicio, quantumcunque falsa, significat secundarie veritatem, ymmo necessitatem absolute, ut ista: *deus est*,

significat omne significabile propter significacionem amplissimam predicati. Et ista, *deus non est*, significat infinitas

25 necessitates propter consimiles causas. Secundo patet quod, duobus hominibus intelligentibus eandem oracionem equivoce, tunc non est proposicio una falsa vel vera:

vel aliter contingit eandem propositionem esse respectu diversorum veram et falsam, affirmativam et negativam,

30 necessariam et impossibilem. Et sic de aliis denominacionibus que respectu eiusdem contrarie solent dici. Et secunda pars disiunctive est michi probabilior, quamvis

prima sit magis pueris placens. Tercio, potest convinci ex predictis quomodo convertibiliter est arguendum

35 signum esse necessarium, impossibile vel contingens. Si enim proposicio primarie significat sicut necesse est esse, aut veritatem necessariam (que necessitas dicitur);

tunc est necessaria, et econtra. Ut ista, *chimera non potest esse*, significat istam veritatem necessariam primarie,

A 17^a que est, chimeram primarie non posse esse; | et ista

3. sic est B. 18. cum non both MSS. 19. alium pro 2rnum A.
23, 24. communissimam B. 26. hominibus above the line A; deest B.
27. una falsa vel vera above the line A; deest B. 29. falsam above the
line A. 33. convici A.

est necessitas, sicut ista, *Hoc est, vel hoc non est*, significat primarie veritatem disiunctam, que est necessitas; ideo utraque necessaria debet dici. Et correspondenter de impossibili et possibili est dicendum.

Aristoteles, taking the word *thing* to mean *truth*, says that a proposition is true or false as the thing it means is or is not. But if we deny Universals, then we must say that a proposition is true, only when it adequately means those ideas which it expresses, as agreeing with its signification. Unde Aristoteles, amplians hoc nomen, *res*, ad significandum quacumque huiusmodi veritatem, dicit quod in quantumcumque res est vel non est quam proposicio primarie significat, est ipsa vera vel falsa. Signum enim capit denominacionem a posteriori de suo principaliter significato. Si autem aliquis voluerit negare universalia 10 signum quod consonat sue vie; ut, quando negabam universalia, dixi quod proposicio solum convertibiliter tunc est vera quando adequate significat sub conceptibus 15 sub quibus est vere exprimibile ita esse, sicut illa significat. Et alii dicunt non omnes propositiones veras univoce esse veras. Sed non claret mihi quot sunt universalia, et quod veritas est quod *nemo est asinus*, et ita est quod *Cesar fuit*, quod *tempus erit*, et quod *multa 20 instancia possunt esse*.

3—5. debet — amplians, *at top of page A.* 7. *vel res B.* 12. *et de B.*
13. *negarem AB.* 16. *exprimibili B;* *ib.* *sicut illa significat above the line A; deest B.* 18. *modo pro non B.*

16. This definition is very obscure and not at all satisfactory. Yet it exactly embodies the Nominalist or Conceptualist position. If there is no universal *thing* corresponding to a universal proposition that is true, *what corresponds?* At most, universal ideas. And what do these ideas mean? They mean . . . the proposition itself! It is hard to get truth out of this circular reasoning.

CAPITULUM SECUNDUM.

Consequens est post dicta particularius discutere de modo probandi proposiciones disparium specierum. Tripliciter enim contingit in genere convincere aliquam

5 propositionem esse veram. Vel solo sensu cum ipsi

B 2^a convenientibus, et | noticia terminorum, ut patet de talibus:

Iste currit, iste loquitur, sive sedet, et breviter de omnibus significantibus primarie contingentes et sensibiles veritates. Vel solo intellectu cum ipsi convenientibus et 10 noticia terminorum, ut patet de universalibus per se notis; cuiusmodi sunt talia: *nihil simul est et non est, omnis numerus est par vel impar; aliquid est vel non est,* etc.

Quamvis enim aliisque talium, tam sensibilium quam intelligibilium veritatum, probari poterint a priori, 15 sophistis tamen satis est sine probacione, ex sensu vel motu, de talibus elicere veritates. Tercio, ex sensu et intellectu cum ratione et noticia terminorum etc., cuiusmodi sunt tales: *ista planeta est incorruptibilis:* ymmo breviter omnis conclusio demonstrata.

20 Omnem ergo propositionem veram non immediatam contigit probare quadrupliciter, videlicet a priori, a posteriori et ex opposito et ab equo. A priori; quia quelibet huiusmodi habet causam (si quis eam cognosceret) ex qua sequitur eius primarium significatum. Ut ex hoc: 25 *homo currit, quod habet voluntatem currendi et non impeditur.* Et sic de ceteris quibuscumque. A posteriori, ut per suum inferius vel aliam aliquam propositionem significantem pro signo sue veritatis; ut, probando quod *homo currit* quia *iste homo currit*, vel quod *substancia*

There are three ways of proving any proposition.
1. By sensible demonstration of the fact which it expresses, in the case of contingent truths.

2. In the case of axioms that are self-known, by an act of intellectual intuition.

And 3. by sense, intellect and reasoning together; as in the case of inductive generalizations.

So if a truth be not immediately known by itself, it can be proved either, (1.) *A priori*, by means of other known truths on which it depends as on a cause, (2.) *A posteriori*, by means of particular propositions from which

1. Cap. *deest* AB. 2. *Initial C in blue ink A; deest B.* 3. modis B. 7. ille B. 9. ipsum both MSS. 11. omnis B. 13, 14. quam intelligibilium in marg. A. 15. sophisticis A. 16. intellectu pro motu B. 17. etc. *deest* B. 21. probari B. 22. vel *for et both times* B. 26. ceteris omnibus B.

16. *Motu.* Allusion to Diogenes' demonstration of movement.

another more *est*, quia *accidens est*. Ab equo, probando proposicionem general may be deduced; per suas exponentes, per diffinicionem, vel aliquod convertible
 (3.) *Ab aequo*, vertibile magis notum; ut probando quod *omnis homo est risibilis* per hoc quod *homo est risibilis* et non *est homo quin sit risibilis*; vel per hoc quod *omne animal est rationale est risibile*; vel per hoc quod *nemo non est risibilis*. Indirecte, ex opposito, capiendo contradictorium propositionis probande, probando illud esse falsum. Hoc autem facto, sequitur (iuxta primum principium et alia regula danda) proposicionem quam probare voluero esse veroam.

Some proofs are preferred to others at different times and by different persons.

We may note that a proposition is immediately proved (or self-evident) in two ways: by the senses or by the intellect.

Every proposition can be proved in some way; even such as: A man runs, a being exists, and God exists.

If a proposition has several primary meanings, of which one is true, it should always be granted. V.g.: A man is papa habet istum sensum secundarium: *iste non est papa*, 40 is true for many individuals

Aliquando autem est unus modus probandi facilior, et aliquando aliis; ymmo uni est unus modus probandi efficacior, qui est alteri inepcior, et econtra; quia uni est una proposicio magis nota que est alteri minus nota, et econtra. Et ex isto patere potest quod differenter contingit proposicionem esse inmediatam: vel quo ad sensum que non habet ipsa inferius et nocius quo ad sensum, ex quo poterit probari a posteriori; ut est talis: *iste currit*; vel quo ad intellectum, que non habet ipsa prius quo ad communitatem, ex quo probari poterit; ut ista: *aliquid est*. Et sic credo quod quelibet proposicio | vera probari poterit modo suo. Nam illa *homo A 17* *currit*, potest probari a priori et a suo convertibili, capiendo descripcionem cursus. Et ista, *ens est*, probari potest a posteriori, sic: *hoc est et hoc est ens; ergo, ens est*; et ita: *nihil simul est et non est probari potest a priori* (non quo ad consequenciam sed quo ad causam) per illam universalem que est inmediata quo ad intellectum; | sicut tales negative: *Nulla substancia est B 2^b quantitas*, sunt inmediate in genere, iuxta philosophum. Ymo illa, *deus est*, que est inmediatissima, probari potest a posteriori; ergo quelibet proposicio vera probari potest modo suo.

Ex istis elicuntur alia regula: quod queque proposicio 35 habens multos sensus primarios quorum unus sensus est verus, semper concedenda est. Et voco sensum primarium istum qui inmediate correspondet toti significacioni primarie proposicionis, ut hec: *homo non est*

V.g.: A man is papa habet istum sensum secundarium: *iste non est papa*, 40 is true for many individuals

8. et probando B. 10. vera pro regula A. 21. ista causam B.

23. ista B. 26. sicut B. 28. quam A; ib. conclusionem (9^{om}) B.

32. ista B. 33. poterit B. 40. habet — papa deest A.

(demonstrando papam), et istum sensum communem primarium, *homo non est papa*; et iste est verus pro multis singularibus: ideo proposicio est concedenda. Probatur ista regula per hoc quod quelibet talis proposicio, iuxta primam regulam, est vera; et omne verum potest probari iuxta regulam proximam: ergo, cum omne probatum sit concedendum, sequitur quamlibet talem esse concedendum. Unde, prolata ista proposicie: *Omnes apostoli Dei sunt XII*, posito quod habeat XII apostolos et non plures, patet quod est concedenda ad sensum talem collectivum: *illi (qui sunt omnes apostoli Dei), sunt XII*, quamvis posset habere sensum divisivum talem: *nulli sunt apostoli Dei, quin sint XII*. Et sic iudicandum est de similibus quibus-

cunque.

2. iste verus A. 4. sic pro ista B. 10. habeat collectivum B; *ib.* quod above line A. 11. isti; illi in marg. B. 13. divisum both MSS.
14. consimilibus B.

The reason is that every true proposition can be proved, and is therefore admissible.

All the Apostles are 12, may be true in a collective sense, though it may also mean: No Apostles are not 12.

CAPITULUM TERCIUM.

Various
divisions of
terms.

Some can be
analyzed into
singulars: these
are general
terms. Each
may have more
concrete terms
in their
extension:
example.

Others can
only be
expounded as
propositions:
these are the
words of
universal
affirmation,
exclusive,
exceptive,
modal terms
and those
denoting
beginning, end
or comparison.

And some
terms are
'official',
limiting the
supposition
of the other
terms; such as
to know, etc.

To know that
all men are
is not to know
distinctly that
every man is.

Cum autem variacio probacionis proposicionis ex terminis habet ortum, notanda est, iuxta doctrinas utiles logicorum precedencium, pertinens distinccio terminorum.

5

Sunt enim, quantum ad propositum pertinet, aliqui termini resolubiles: ut termini communes, puta nomina, verba, adverbia, et participia habencia signa ipsis inferiora; ut sunt talia: *homo moveretur aliqualiter fatigatus*, quibus inferiora sunt ista: *hoc currit bene exercitatum*.

Aliqui autem sunt termini exponibiles; ut signa universalia affirmativa, denominaciones exclusive et exceptive, *incipit* et *desinit*, omnes comparativi et superlativi, termini modales, et breviter omnes termini ratione quorum 15 sunt proposicionibus in quibus ponuntur exponentes convertibles assignande: ut sunt tales: *diffrat*, *aliud*, *in quantum*, *per se*, *necessario*, *contingenter*, etc.

Alii autem sunt termini officiales, ut termini limitantes ad sensum compositum vel divisum, aut ad diversas 20 suposiciones secundum diversas ordinaciones in proposicionibus; ut sunt termini significantes actus anime, utputa: *scire*, *cognoscere*, et termini quorum actus signati possunt esse circa commune, cum hoc quod non distincta circa illius singularia; et tales ponuntur termini 25 modales, et termini secunde in pospcionis et secunde intentionis, et omnes termini distractentes. Omnes enim tales termini limitant ad suposiciones; ut *scio omnes homines esse* et tamen *non omniem hominem scio esse*, saltem distincte; quia primus est sensus compositus, ubi predi-30

1. Cap. *deest* AB. 2. Initial C in red ink A, *deest* B; ib. propositionum B. 3. regulas B. 4. p118A. 6. p133 struck out pro perficit A.

8. et verba adverbia both MSS. 18. necessarium A. 21. coordinaciones B. 23. et termini deest A. 24. significati corr. in signati B. 29. et — saltem in marg. A.

B 3^a catum supponit simpliciter, et secundus est sensus divisus, ubi predicatum supponit personaliter. Et talis limitacio est per tales ordines terminorum: *| necesse est esse aliquid contingens, hominem possibile est non esse, homo 5 est species, deus est nomen* etc.

Nec est ista trimembris divisio terminorum ex opposito assignata, cum contingit eundem terminum esse resolutebilem, exponibilem, et officialem; ut patet de isto termino; necessarium. Ut in tali propositione; *necessarium est 10 aliquid esse*, que potest tripliciter probari, primo resolutione, sic: *hoc est aliquid esse, et hoc est necessarium* (continue demonstrando deum esse): *ergo necessarium est aliquid esse*. Secundo, expositorie, sic; *aliquid est, et A 18^a non potest | esse quin aliquid est; ergo necessarium est 15 aliquid esse*. Tercio officialiter per capcionem talis propositionis: *propositio est necessaria: "aliquid est", que primarie significat aliquid esse; ergo, necessarium est aliquid esse*. Sed sufficit quod raciones talium denominationum sint diverse.

20 Ex istis elicetur talis regula, quod universalis proposicio exposita convertitur cum suo antecedente debite exponente, licet non universaliter. Sed quandoque proposicio resolutione vel officialiter proposita, cum suo antecedente, gracia materie, convertitur; verbi gracia, convertibiliter

25 sequitur, *instans est, et non potest esse quin instans est; ergo, necessario instans est*. Et sequitur, *hec proposicio est necessaria, "instans est," que primarie significat instans esse: ergo, necessario instans est; sed non sequitur econtra*. Unde notabiliter errant quidam, intelligentes

30 tales propositiones; *necessario tu non es asinus, convertibiliter vel primarie significanter, quod talis proposicio est necessaria, "tu non es asinus"*; est enim necessarium quod tu non es asinus, etsi nulla talis proposicio sit in mundo. Sequitur eciam: *hoc est, et hoc est homo;*

35 *ergo, homo est, et non econtra; cum antecedens sit necessarium, et consequens contingens. Exempla secunde partis regule sunt talia; ista consequencia est bona: deus est, ergo, hoc est, et hoc est deus, et econtra. Et sic*

This division of terms is not exclusive, but taken from different points of view; the same proposition may be proved either by analysis or by exposition, or by the forming of a second proposition to explain it; as, v. g. *It is necessary for something to be.*

An expounded universal proposition must always be able to take the place of its exponents.

This convertibility exists sometimes, not always, in the other two cases.

V. g. *Thou art necessarily not an ass*; because with: *This proposition is necessary, which means that thou art not an ass; because the fact would be true even if the proposition did not exist.*

1. secundus sensus B. 5. homo pro deus B. 8. patet in marg. A.
9. ut above the line A, deest B. 12. continue demonstrando deum in marg. A; ib. esse deest B. 16. proposicio est necessaria deest; necesse A; aliquid est A. 20. universaliter both MSS. 21. et directe B. 22. uniformiter corr. A. 23. probata B. 26. intelligendo B. 30. non deest A. 31. significatorie B; si gr^e A. 33. esset B. 37. ista B.

Examples of universaliter, de universali cuius singularia sunt necessaria. Et sequitur: *homo est species; ergo, natura humana communis omni homini est species*; et econtra. Et sequitur: *homo scit aliquid esse: ergo scit signum aliquod, significativum primarie tale "aliquid esse"*; et sic de ceteris. 5

Care must be taken, in demonstrating a proposition, to repeat certain official terms; as, v. g. *A begins to be B*; i. e. A¹ begins to be B, and A¹ is (or begins to be) A.

Neglect in the observation of this rule may lead to confusion.

When a term is repeated in the same proposition, we should understand it in the same sense.

As for the juxtaposition of the same terms in a sentence, that is partly a question of grammar. As, before we decide of the truth of a proposition, its terms must be understood, we should provisionally take every subject in an abstract sense.

Ex istis elicetur talis regula, quod in probando proposiciones est ordo terminorum specialiter attendendus, cum utrobius, termini mediati (secundum intellectum debitum prioris) significacio debeat explicari, antequam posterioris termini mediati officium explicitur. Verbi 10 gracia; capta illa proposicione, *album incipit esse Sor*, cuius primus terminus est ille terminus resolubilis *album*, probanda est proposicio resolutorie, racione illius termini *album*, sic argumentando: *hoc incipit esse Sor, et hoc est (vel incipit esse) album*. Unde aliqui, per defectum 15 illius consideracionis intricarunt seipsos, et expresserunt suam sentenciam nimis diffuse. Et hoc est quod monet quidam subtilis loycus, quod non fiat saltus ultra terminos mediatos in qualibet proposicione exponenda; nam, exponendo primo hoc verbum *incipit*, foret nimis longum 20 opus et intricabilis exposicio, quamvis contingat frequenter multas proposiciones | sic inferri. Et additur B 3^b in regula dicta "secundum intellectum debitum prioris"; quoniam quandoque terminus precedit vocaliter ubi, ad congruum intellectum habendum, oportet equipollentem 25 terminum posterius intelligi. Ex quibus patet quod falsum est quod *homo homo non est*; quia nugacio esset, nisi intelligeretur quod *homo non est homo* specialiter, si uterque terminus sit universale non contractum ad aliquod singulare. Et patet quod verum est quod ab 30 *homine differt homo*, cum sit idem cum ista: *ab homine homo differt*; et sic de multis aliis quorum iudicium est grammaticis relinquendum. Ut sic dicto: *homo est species; hominem esse est necessarium* etc. Tamen oportet pre-intelligere singulos terminos proposicionis et habitudinem 35 eorum ad invicem, antequam iudicetur de eius veritate, patet quod ante indicium de veritate talis proposicionis, saltem temporaliter vel naturaliter, limitanda sunt subiecta ad supponendum simpliciter.

4, 5. significatum both MSS. 5. aliquid *deest* B. 9. significati; corr. in marg. B. 11. sortes B. 15. album ergo B; ib. propter B. 18. quidam deest A; ib. ut; quod above B. 21, 22. frequenter *deest* B. 22. frequenter sic B. 23. priorum corr. A. 25. equivalentem B. 34, 35. premittere A.

CAPITULUM QUARTUM.

Sequitur de universali affirmativa tractandum, quomo^{do} in speciali probari debeat; et patet, iuxta secundam regulam, quod potest probari a priori; ut sic argumen⁵ tando: *Omnis triangulus rectilineus habet tres angulos* *equales duobus rectis; omnis isosceles rectilineus est* *triangulus rectilineus: ergo, omnis isosceles rectilineus* *habet tres angulos equales duobus rectis.* Potest eciam ^{18^b per *sua singularia.*}

Sed notandum pro regula quod, ad hoc quod aliqua sint singularia dande universalis, oportet quod habeant predicata sinonima cum predicato dati universalis, et subiecta cum eius subiecto sinonima demptis signis. Et ¹⁵ voco signa, nomina distributiva et pronomina demonstrativa. Verbi gratia. singularia illius universalis, *omnis homo est animal*, sunt talia, *iste homo est animal*, et *ista homo est animal*, et non talia: *illud risibile est animal, vel iste homo est substancia animata, sensibilis;* ²⁰ quamvis equivaleant. Et patent ex isto tria; primo quod universalia non convertuntur cum suis singularibus; nam stat universalia esse possibilia et sua singularia impossibilia; ut patet de ista: *omne animal quod est in ista domo est asinus.* Stat eciam universalia esse ne- ²⁵ cessaria et sua singularia contingencia; ut patet de istis; *omne ens est, omnis homo est animal, omne corruptibile est*, etc. Stat eciam universalia esse impossibilia et sua singularia possibilia; ymmo, quecumque duo danda conpossibilia; ut patet de istis: *Omne corruptibile cognoscitur non esse in omni instanti; hoc erit general-dum,* etc. sic de similibus.

A universal affirmative proposition may be proved either *a priori*, by means of a higher truth, or *a posteriori*, by proving the singulars which it includes.

Note that a singular proposition must be identical with its universal, except as regards the signs of universality or singularity. It would not do to put even convertible terms in the places of the subject and predicate. A universal proposition cannot be converted with its singulars; the latter may be impossible or contingent while it is possible or necessary; it may be impossible while they are possible; or both may be possible.

1. Cap. *deest* AB. 2. Initial S in blue ink A; *deest* B. 16. *istius* B.
20. *quomodo* A. 23. *istis* A; *ib.* *quod est crossed off* B. 26. *omnis —*
animal deest A. 28. *sua in marg.* A.

We must therefore, interring the universal from the particular, add: *and so of every one.*

'So' is a distributive, not a singular demonstrative term; nor does it correspond with 'every' which sometimes refers only to species.

To say: *every A is every A*, is false, if each singular is predicated distributively: *A¹ is every A*, etc.

But it is true to say: *A¹ is only one A*, and to conclude: *Every A is only one A*.

The fact that all the singulars may in some cases be converted with their universal does not render this conversion legitimate.

So also when the subject is compound; as *Every A or B is C*.

For the propositions: *A¹ (which is A or B) is C*; and *A² (which is A or B) is C*: *and so on — would be converted with the universal;*

Ideo patet quod, inferendo universales ex contingentibus singularibus, debet addi in fine talis particula, *et sic de singulis*; quia aliter non videtur talis consequentia, add: *and so of nisi consequens fuerit necessarium*. Nec est talis terminus, *sic*, singulariter demonstrativus, sed confuse significatus, quod de singulis suppositis subiecti; et *sic intelligendo per li 'sic'*, confuse, sicud priora singulariter significant. Nec est omnino identitas illius particule ad universalem; quia iste terminus *omnis* distribuit quandoque pro speciebus, quandoque pro individuis; quandoque stat collective, quandoque divisive; sed iste terminus singularis distribuit semper divisive pro individuis.

Unde solet addi in cartis: *omnibus et singulis*, etc. Et tertio, ex istis patet quomodo tales sunt false: *omnis homo est omnis homo*, limitata suppositione personali utrobique; quia singularia eius sunt talia; *iste homo est omnis homo*, etc. Patet eciam quod bene sequitur, *iste homo est unus solus homo*, et *sic de singularibus hominibus*; ergo *omnis homo est unus solus homo*; sed minor est falsa, quia non sic est de mulieribus, que sunt homines. Patet eciam quod ista universalia non convertuntur: *omnis homo qui est albus currit*, et *omnis homo qui currit, est albus*, quamvis omnia sua singularia convertuntur; non enim convertuntur omnia universalia cum suis singularibus; ymmo referret dicere, *sic est de singularibus hominibus qui sunt albi quod currunt*; et *sic de singularibus masculis qui sunt currentes quod sunt albi*. Ideo, completa antecedencia ex quibus inducuntur, dicte universales multum differunt.

Et idem est iudicium de talibus universalibus de subiectis compositis: ut *Omnis proposicio vel eius contradictoria est vera, omnis homo vel asinus est asinus*, etc. Nam omnes singulares primi sophismatis convertuntur cum singularibus illius universalis, *omnis proposicio est vera*, cum sint tales: *Hoc quod est proposicio est vero*. Unde multum refert addere: *sic est de singulis propositionibus vel sibi contradictoriis, quod sunt vere*; et dicere quod *sic est de singularibus*.

1. sed *pro* ideo B. 3. talis *in marg.* A. 7. *ly* B; *ib. p'a* B; *ib. singularis* B. 8. *istius* B. 9. *ly omnis* B. 14. *propositiones* B. 20, 21. *que tamen* B. 23. *enim above the line A; currit qui both MSS* 25. *referit* B; *ib. et sic* B. 26. *q. A.* 27. *qui pro quod A.* 31. *ut deest* A. 33. *fōp'f* A. 34. *istius* B. 35. *after vera, vel eius contradictoria AB.* 36. *contradictorium* A. 38. *directe pro dicere quod A.*

gulis proposicionibus quod sunt vera vel veris contradictiones. Ideo illa universalia multum differunt: omnis proposicio vel eius contradictionia est vera, et omnis proposicio est verum, vel eius contradictionum. Sic et sua singularia, cum quelibet singularis prime partis parcens subiectum, si demonstratur proposicio falsa, sit falsa. Unde talis proposicio, *Hec proposicio vel eius contradictionia est vera*, non verificatur ad istum sensum, hec (*existens*) proposicio vel eius contradictionia est vera, quia non est cathegorica, cum habeat sensum hypotheticum distinctum. Ideo huiusmodi propositiones non inductive sed a posteriori inferunt secundam universalem. Unde A 19^a probabile est quod quelibet huiusmodi universalis | convertatur cum infinita, capiente collective omnia 15 supposita subiecti cum circumlocutione debita.

3^o possunt universales affirmative probari ex opposito indirecte, tum quia frequenter est grave invenire medium probandi huiusmodi universalia a priori, tum eciam quia particularia impossibilia sunt magis nota frequentius 20 esse falsa quam sua universalia sunt cognita esse vera; ut probando quod *omnis homo est quantus*, probari potest per ducens ad impossibile, capiendo oppositum, scilicet, B 4^b quod *datus homo non est quantus*, et deducendo ex hoc quod *iste homo non sufficit ridere vel exercere 25 operacionem hominis*; et sic de multis aliis inconvenientibus. Et illo modo sunt multe conclusiones geometrice probate seu demonstratae.

Quarto modo maxime usitato, contingit expositorie probare universalia. Unde pro regula est tenendum quod 30 quelibet universalis affirmativa exponenda debet exponi per suam subalternatam, et universalem negativam convenientem in subiecto, sed de contradictione predicato; ut hec: *omnis homo currit*, sic exponi debet; *homo currit*, et non est *homo non currens*; ergo *omnis homo currit*. 35 Unde videtur mihi quod illa est affirmativa, non est *homo qui non currit*, que convertitur cum universalis exponenda. Ideo vel non exponit illam, vel superflue

A universal affirmative may be proved indirectly by the falsity of its contradictory, because of the difficulty of a direct proof, or because the falsity of a particular proposition is often better seen.

Rule for the exposition is of a universal affirmative:
Take its corresponding subalternate, and a universal negative with the same subject and the same predicate, but negated:

as Every A is B is expounded: some A is B, and no A is not B;

but the negative minor being equivalent to the universal term, the major seems useless.

1, 2. *qdā A.*

marc. A; p̄cma B.

4. *vera B; ib. sicud B.*

6. *si deest both MSS.*

5. *sūm^o A; ib. p̄cns in*

marg.

8. intellectum B.

9, 10. *h̄ exīs AB.*

14. indefinita B.

ib. scilicet deest B.

10. *hypotheticum deest A.*

18. *talia pro huiusmodi B.*

24. ille B; nec B.

11. *Ideo in marg. A.*

22. *per deducens B;*

26. isto B.

27. probate

seu in marg. A; deest B.

29. notandum B.

35. iste B; ib. et

non B.

additur subalternata de illa; tamen non fiat vis,
potissime cum ex sermone vocali sit dependens.

This general formula varies.
 1. According to the quantifying sign; which may be of different genders; or common (omnis); in which latter case its gender may be determined by the words that follow.

Quadrupliciter ergo contingit expositionem huiusmodi variari; vel ratione signi, vel ratione subiecti compositi vel simplicis, vel ratione verbi, vel ratione predicati. Exemplum primi. Aliquod signum est restrictum ad masculos, ut *unusquisque, uterque*, etc. Et ratione talium debent capi subalternata et negative illis correspondentes; ut *quilibet, quisque, vel unusquisque, uterque* etc. *homo currit*, si *homo masculus currit*, et non sit *homo masculus non currans*. Et cum illo signo, *uterque*, oportet proporcionare ambas exponentes sue significacioni, ut sic: *alter illorum currit, et neuter illorum est non currans*; ergo *uterque illorum currit*. Et tamen oportet logicum curare ex alio latere in assignando exponentes universalis affirmative, cuius signum est communis generis iunctum cum substantivo duorum generum. Ut, si *omnis homo civis et burgensis currit*, tunc *homo burgensis civilis* etc. *currit*, et non est *homo civis burgensis* etc. *quin currit*. Verumtamen quandoque, ratione adiectivorum per se predicatorum, que non possunt per se supponere, contrahuntur talia subiecta ad supponendum solum pro masculis, ut hec, *omnis homo est albus*. Illa enim debet sic exponi: *homo masculus est albus, et non est homo masculus qui non est albus*.

2. According to the subject, which may be either simple or compound: if simple, it may be epicene or of a fixed gender.
 If compound, either copulated (*A and B*) or disjunct (*A or B*).

In the first case: All *A's and B's* are *C*; i. e. Some *A's and B's* are *C*, and no *A's and B's* est copulata et non universalis. Ex istis patet quod *are not C*.

I. de 1º AB. 2. potissima B; ib. 3º vocabū B. 5. simpliciter A. 16. subalternato; subiectivo in marg. A; substiō B; secundorum pro duorum A. 17. et deest B, a word effaced A; currit B. 18. word erased A; etc. B. 19. word erased A; etc. B. 20. adiectorum A. 22. solummodo B; hic B. 24. qui and est desunt B. 27. vel est B. 28. ḡ A. 28. vi⁹; uni⁹ in marg. A. 30. vel de disiuncto — vel before ex in marg. A. 32. primi B. 36. exns A, exñs B. 37. copulativa B; ib. universales sunt B.

tales sunt false: *omnia duo et tria sunt quinque*, Thus to say:
 B 5^a *omnes duo | homines et duo animalia sunt plura quam are 5, or all*
duo; et taliter similia. Nam omnia 4^{or} sunt duo, et 3^a, 2 men and
et nulla 4^{or} sunt quinque; ergo, non omnia duo et tria more than 2, is
5 sunt 5. Ideo secunda exponens est falsa, videlicet quod false.
non sunt duo et 3^a que non sunt 5^e, eo quod omnia 4^{or}
sunt duo et 3^a communicancia. Sed hoc est verum, We should say:
quod omnia duo sunt aliquot que et tria sunt quinque, All 2's are a
vel duo et tria constituencia quinque. Et hoc inferunt with 3 makes 5: and this is
 10 *tales singulares, ista duo et tria sunt quinque etc. et borne out by* the singular's
 A 19^b *tales exponentes | duo et tria sunt quinque, et non sunt of this* proposition,
duo que non et tria sunt quinque. Secunda est falsa; In like manner,
quia omnes duo homines sunt duo homines et duo two men are
animalia; sed non duo et duo, et nulli duo homines two animals
 15 *sunt plura quam duo. Ideo non omnes duo homines they make* together, not
et duo animalia sunt plura quam duo, quamvis forte four, but only three.
omnes duo homines sunt aliquot que et duo animalia
sunt 4^{or}. Sicud omnes duo homines sunt aliquot, que
et duo animalia sunt pauciora quam 4^{or}, quia solum
 20 *tria.*

Racione subiecti disiuncti accedit varietas exponendi;
 ut hec: *omnis proposicio vel eius contradictoria est vera.* When the subject is
 Debet enim sic exponi: *proposicio vel eius contradictoria disiunct, we*
est vera, et non est proposicio vel eius contradictoria que non must consider if both parts
 25 *est vera, igitur etc. Unde, quandoque distribuitur copula-* are to be taken as disiunct or
tive et distributive utrumque disiunctorum; ubi non sic as copulated.
distribuitur utrumque copulatorum (ut sic dicto: omnis Every man
homo albus vel coloratus est) hic stat utrumque disiunctorum white or
distributive copulative, quia staret non distributive disiunc- coloured exists;
 30 *tive in sua subalternata. Sed sic, dicto: Omnis homo albus* here we take the parts as
vel coloratus est hic, stat totum coniunctum copulative disiunct: disiunct:
pro omni homine albo et colorato, sed non secunda pars This man
pro omni homine colorato, sicut stat in priori, ut patet (white or
per exponentes, quia in subalternata staret totam co- here: this means
 35 *pulative pro albo et colorato. Ideo in universalis distri-* the same as the
butute pro albo et colorato. copulated term
white and coloured.

3. t^o A, C B. 7. ad hoc A. 12. eciam est B. 15, 16. Ideo — quam
 duo deest B. 17. sint B. 18, 19. 4^{or} — pauciora quam deest B.
 21. fom t'a A. 23, 24. debet — et non in marg. A; deest B. 26. et
 deest B. 25, 26. coⁿe A. 26. dist'bu^te A. 27. dd^o = dicendo B.
 29. dist'but^te A. 31. et pro vel both MSS.; ib. coniunctum deest B;
 ib. coⁿe A. 32. non stat B.

8, 10, 11, 12. *Et tria.* Equivalent to cum tribus. 20. Wyclif counts the universal 'Man' as making up the number 3 with the two individuals.

buto stabit disiunctive pro albo vel colorato; distributum tamen pro omni primario significato per totum

If both parts of extremum. Quod si utrumque coniunctorum sit necessarium, et neutrum determinativum alterius, nec ambo alicuius tertii, tunc non refert. Ut sic: idem est, *omnis homo vel asinus currat*, et *omnis homo vel asinus currunt*; sed quando primarie significatum alterius potest non esse, tunc refert, cum copulativa ponit utrumque, et non talis disiuncio.

When the sense of either part determines the way the whole must be taken, we should follow the sense.

In cases in which an adjective of profession comes in, it can be taken as a substantive, and then the verb must be in the plural, for the subject becomes collective; were the verb in the singular, the contrary would take place, and the sense would be quite different.

Many other forms are equivalent to the former; partitive and implicative propositions, ablatives absolute, etc. Difference in meaning between *homo futurus est*, and *homo futurus — est*.

Si autem coniuncta possunt indifferenter determinare subiectum, et eciam seorsum sine determinacione supponere, tunc videndum est quis sensus debet verisimilius haberi; et iuxta illum est respondendum. Quod si fuerit omnino indifferencia, eligendus est quicunque sensus placuerit. Verbi gracia, sic dicto, *Omnis homo iustus et gramaticus currat*; et potest utrumque adiectivum, quia adiectivum professionis est, per se supponere. Verum tamen per verbum singulare limitatur ad determinandum substantivum, sicut limitaretur per verbum plurale ad indeterminate supponendum, sicut dicto, *omnis homo iustus et gramaticus currunt*. Unde multum differunt illa a priori, eo quod existentibus mille gramaticis et iustis non currentibus, sed omni iusto et grammatico currente, foret prima vera et secunda falsa. Sed sic dicto, *Omnis asinus et homo iustus et gramaticus — currunt*, non est talis 25 B^{5b} limitacio. Ideo eligo ego respondere ad tales, ut subiecta indeterminate supponunt. Et sic, breviter dicendo, patet noscentibus gramaticam et exponentes predictas quomodo universaliter in talibus sit dicendum.

Racione coniuncti equivalentis copulacioni vel disiunctioni accidit diversitas; ut patet de partitivis oracionibus, implicativis, ablativis absolutis, et huiusmodi. Exemplum primi, *omnis homo futurus est animal in hoc instanti*, que debet sic exponi, *homo futurus est animal in hoc instanti*; et *non est homo futurus qui non sit animal in hoc instanti*: ergo, etc. Et patet quod universalis est falsa. Illa tamen universalis, *omnis homo futurus est animal*, est amphibologica, eo quod hoc totum *futurus*

3. ut *pro quod* B. 5. *u^e A*; ut B. 8. *copula^e B.* 11. *substatm B.*

15. *homo deest B.* 16. *et before* potest *deest B*; *ib.* *per se stare B.*

17. potest B. 20. *dicendo B.* 23. *et deest B.* 27. *in deest B.* 28. *nofcca B.*

30. *equipollentis B*; *ib.* *copula^e A*; *ib.* *et B.* 30, 31. *disiunctio A.*

31. *est B*; *ib.* *ppys B.* 32. *et ceteris B.*

est, potest supplere vicem huius verbi de futuro, erit,
et tunc est verum. Exempla secundi sunt talia: Omne Every A that
quod fuit est; uterque illorum qui est Sortes est Sor; *has been is C,*
omne quod deus potuit facere potest facere; et sic is false; but if
⁵ *similia, quorum primum debet sic exponi: aliquid quod is, that has been,*
fuit est, et non est aliquid preteritum quod non est, *is C, it amounts*
ergo etc. Et patet quod universalis est impossibilis, eo to;
quod minor negativa habet contradictorium necessarium, *No A that is*
ut patet: aliquid est preteritum quod non est. Sed ista, *(that has been)*
^{A 20^a} *omne quod est, quod fuit, est, | debet exponi per talem*
negativam: non est aliquid quod est (quod fuit) quod
non est. Et patet diversitas. Secunda universalis debet
¹⁵ *sic exponi: alter illorum qui est Sor est Sor, et non est*
alter illorum quin ille qui est Sor est Sor: ergo, etc. Et
racio illius est quia universalis est affirmativa implicans
utrumque illorum esse Sor. Unde famose exponentes
implicant illam universalem: quicunque illorum duorum
fuerit Sor, ipse est Sor. Tertia sic debet exponi: aliquid
²⁰ *quod deus potuit facere potest facere; et non potuit quicquam*
facere quod non potest facere: ergo, etc. Et patet quod
universalis est impossibilis, cum multa tempora, motus,
et ceteras veritates potuit deus facere, que nunc non potest.

De ablativis absolutis patet ex dictis. Nam cum talis
 absolutus habet iuxta grammaticos exponi tripliciter,
²⁵ vel per *si*, vel per *quia*, vel per *dum*, patet iuxta quartam
 regulam et octavam, que debent concedi et que negari;
 sed de hoc postmodum.

Quarto modo, contingit subiectum universalis esse
 compositum ex recto et obliquo, et hoc contingit dupli-
³⁰ citer: vel quod rectus cum signo precedat obliquum
 quem regit, vel econtra. Quod si primo modo, tunc
 datur talis regula: Subiecto universalis affirmative ex-
 stente termino composito ex recto precedente, et obliquo
³⁵ quod ab eo regitur subsequente, utraque pars distribuitur
 et subicietur in exponente negativa, vel sibi sinonima.
 Verbi gracia: *Quilibet singularis alicuius universalis est*
vera; ista debet sic exponi: aliqua singularis alicuius
universalis est vera et non est singularis alicuius uni-
versalis que non est vera: igitur etc. Et patet ex regulis

Either of the
two that is A
is A, amounts
to: one of the
two that is A
is A, and
neither of the
two that is not
A is A.

Whatever could
be A can be A;
Something that
could be 'A can
be A and nothing
that could be A
cannot be A.

Ablatives
 absolute amount
 to propositions
 with the
 particles *si,*
quia or *dum.*

The subject
 may contain a
 genitive or
 another case:
 if the
 nominative goes
 first, the rule is
 that both parts
 must be taken
 universally as
 the subject of
 the negative
 exponent;
 the formula
 being: *Every A*
of B is C; i. e.
Some A of some
B is C, and
no A of any B
is not C.

3. for^a A. 9. videlicet B. 10. totalem A. 11. quod est *deest* B.
 22. deus facere *deest* A. 24. ablativus B. 30. suo signo B.
 32, 33. ex*nō* AB. 34. qui B.

21. See p. 25, l. 17, where I think *potuit* ought to be read
 for *potest.*

in consequenciis traditis quomodo sequitur: *quilibet singularis alicuius universalis est vera*. *Quilibet singularis alicuius universalis habens singulares est vera; hec est A of B is C; aliqua universalis habens singulares; ergo, quilibet singularis huius est vera*. Argumentatur enim a propositione 5 of B; so A¹, A², etc. are A's etc. are C. cum termino stante modaliter ad propositionem cum singulari eiusdem termini, cum particulari constancia subiecti. Et per idem va | lebit ista consequentia in B 6^a primo prime, *quilibet singularis alicuius universalis est vera; quilibet singularis illius "omnis homo est asinus"* 10 *est singularis alicuius universalis: ergo, quilibet singularis illius est vera*. Et peccabit illud argumentum; *quilibet every A of this singularis illius universalis est vera, et quilibet singularis B is A of any B; therefore, illius est similiter alicuius universalis; ergo, quilibet singularis alicuius universalis est vera; quia argumentatur* 15 *cum impedimento ab inferiori ad suum superius*.

But a formula like *Every A of this B is C; every A of this singularis illius universalis est vera, et quilibet singularis B is A of any B; therefore, illius est similiter alicuius universalis; ergo, quilibet singularis alicuius universalis est vera; quia argumentatur* 15 *cum impedimento ab inferiori ad suum superius*.
 Cavendum tamen est de pertinenti medio respectu obliqui; ut patet in ipsis exemplis, *omne caput animalis videtur a te; ista ostrea est animal capitatum; ergo omne eius caput videtur a te*. *Omnis famulus obediens* 20 *magistro suo diligatur a te; ille est magister obedientis famulatus: ergo, omnis talis eius famulatus diligitur a te*. *Omnis servus odiens hominem odit a te; iste est homo quem servus odit*: ergo, *omnis talis eius servus odit a te*. *Omnis homo utens aliquo instrumento est* 25 *prudens; hoc est aliquod instrumentum usitatum ab homine; ergo, omnis homo utens hoc est prudens; et sic de similibus*. Unde, propter talia media extranea, diceret aliquis, quod obliquus non distribuitur per signum in recto, nec econtra. Aliter tamen supponit talis pars 30 *recto, subiecti quam facit pars que non regitur, ut patet in not governed by this. Omnis bestia alicui homini obedit; omnis homo lignum videt; omnis homo ab homine differt; etc. differs*. Si secundo modo sit subiectum compositum, tunc nominative is datur talis regula: subiecto universalis affirmative exi- 35 *preceded by the other case, the stente termino composito et obliquo (composito vel latter is to be simplici) precedente, et recto subsequente, totum obli-universally and quum distribuitur, et non rectum. Unde in exponente not the former*.

1. quicijs B. 2, 3. Quilibet — hec *deest* AB. 6. mor AB.
 7. pertinenti B. 9. pro'mo pre'c AB. 15. universalis *deest* A. 17. print;
 pertinent above the line A. 28. singulis A; ib. neuv A. 31. quic sat B.

9. In primo prime. In Barbara, the first mode of the first figure.

A 20^b negativa rectum a parte predicati locabitur, ab obliquo quod subicitur separatum. | Verbi gracia: *cuiuslibet paris contradictiorum alterum est verum* sic exponitur: *ali- cuius paris contradictiorum alterum est verum, et non 5 est par contradictiorum, cuius non alterum est verum;* ergo, etc. Et patet quomodo debet siloisari et inferri, vel descendere respectu talis universalis, scito quod pars obliqua mobilitatur, et pars recta stat confuse tantum. Et ex istis elicetur regula de subiecto composito, copulato 10 vel disiuncto, in recto, vel in obliquo, aut mixtum. Si autem utraque pars subiecti copulati aut disiuncti universalis affirmative fuerit in recto, et neutra ad idem relata, tunc pro utraque fit distribucio. Sed si utrumque copulatorum ad idem relatum fuerit, tunc pro illis fit 15 distribucio copulativi; verbi gracia, si *omnis homo et asinus currunt*, tunc *et omnis homo et omnis asinus currit*; sed si *omnis grammaticus et albus currit*, tunc *quicunque est tam grammaticus quam albus currit*; non tamen oportet quod *quicunque grammaticus currat*, nec 20 quod *quicunque fuerit albus currat*.

B 6^b Subiecto existente composito ex terminis diversorum numerorum vel diversorum generum, accidit variacio quam cautus sophista sufficienter instructus in grammatica satis percipiet. Unde videtur mihi verum quod 25 *omnis homo et duo homines sunt tres*, nec est verum quod *omnes duo homines sunt homo et duo homines*; ut, *Sor et Plato non sunt homo et duo homines*, quia nugacio videtur mihi ista: *Sor et Plato sunt Sor et Sor et Plato*; et ita de talibus: *Sor et Plato sunt Sor, et iste 30 binarius*. Et conformiter dicitur de talibus: *Quilibet vir et mulier currunt*; nam illa implicat omnem mulierem currere cum viro; quia masculinum genus in talibus rationabiliter concipit femineum. Et econtra convertibiliter se habent: *quelibet mulier et vir currunt*; quamvis 35 gramaticis non placeat ista sentencia. Et ex ista sentencia patet quomodo in casu communi hoc sophisma

As: Of any couple of contradictory propositions, one or the other is true; a couple means 'any couple'; one or the other means a number of uncertain individuals in those couples.

If the two parts of a copulative subject are not connected by the sense, they are both to be taken separately but collectively, if they are connected.

If the subject consists of parts differing in number and gender, this must be taken into account. The universal: man, plus two individual men, make three; but two men are not one and two.

2. *partis* *paris above A.* 3, 4. *sic — verum et deest.* 5. *paris pro par B.* 8. *aliqua A; ib. mobi^r A, mobilitatur B; ib. 9^e iñ AB.* 10. *after vel, in deest A.* 11. *enim B.* 16. *omnis deest before asinus B.* 27. *et pro quia B.* 35, 36. *Et — patet deest A.*

6. *Silosari.* For *syllogisari*, as *loicus* and *loica* often stand for *logicus* and *logica*.

est falsum; *Omnis proposicio vel eius contradictoria est vera, omnis homo vel asinus est asinus*, et sic de aliis.

The verb may vary the exposition of a proposition according as it is amplified or not; also, according to the sense, past or future. If amplified, the principal verb of the second exponent must be the substantive verb, together with the same amplified verb as in the expounded proposition.

Thus Every A can be B; the negative exponent is: No A is or can be, that can not be B.

In like manner for the verb, when modified by the idea of beginning.

It is often unnecessary to expound a proposition thus; but this is done for the rule to hold universally; for in some cases the negative exponent would be false.

Ideo principaliter contingit exposicionem universalis affirmative variari ratione verbi: ut aliter debet negativa exponens capi cum verbo ampliativo et aliter cum verbo non ampliativo, et aliter cum verbo de presenti et aliter cum verbo de preterito vel futuro. Unde potest pro regula sustineri, quod sicut omnis universalis affirmative cuius principale verbum est non ampliativum de presenti, principale verbum secunde exponentis erit verbum substantivum de presenti; sic omnis talis universalis cuius principale verbum est ampliativum de presenti, principale verbum secunde exponentis erit verbum de presenti disiunctum, ex verbo substantivo et ampliativo synonimo cum verbo propositionis principaliter exponende. Ut exponendo illam, *omne animal currit*, patet ex dictis quod secunda exponens erit talis, *non est animal quod non currit*; et sic de omni universalis affirmativa de presenti, sive verbum substantivum sive adiectivum non ampliativum predicetur.

Exempla secunde partis cum verbo ampliativo sunt multa; nam ista, *omnis homo potest esse* habebit secundam exponentem negativam talem, *non est vel potest esse homo non potens esse*. Verumtamen sufficit in talibus gracia materie addere verbum tale ampliativum de presenti. Secundum exemplum est de illa: *omne A incipit esse*, que habebit secundam exponentem talem: *non est vel incipit esse A quod non incipit esse*. Unde, quamvis gracia materie non oportet addere verbum tale ampliativum de presenti, dum subiectum distribuitur solum pro talibus que non possunt incipere esse nisi per posicionem de presenti; ad hoc tamen quod universaliter teneat, oportet sic disiungere verbum ratione talium que possunt incipere esse per rempcionem de presenti. Verbi gracia, hoc est impossibile: *omne ens quod non est hoc instans incipit differre ab hoc instanti*; et tamen

2. similia *pro* de aliis B. 4. affirmative *deest* B; *ib.* variare A.
9. affirmativa A. 14. et A; *ib.* substantivum B. 16. et ut above A.
18. non quod B. 20. *po'nr*. 21. cum — ampliativo *above the line* A;
deest B. 28. quamvis quandoque B. 30. de presenti *deest* B.
31, 32. per propositionem *in marg.* A.

1. I suppose Wyclif means some such fallacy as this: Let A stand for *Every proposition or its contradictory*; then we have at the same time: *A is true*, and *A is false*.

ille exponentes sunt vere, *aliquid ens quod non est hoc instans incipit differre ab hoc instanti*, et *nullum est ens quod non est hoc instans quin incipit differre ab hoc instanti*: Hoc tamen est falsum quod *nullum | incipit esse*

Example in the case of the beginning of time and of movement.

^{A 21*} *ens, quod non est hoc instans quin incipit differre ab hoc instanti*, cum necessario tempus et motus incipiunt esse, que non possunt esse hoc instans, nec differre ab hoc instanti. Et sic de desinit est iudicandum.

Tercium exemplum est tale: *Omnis res intelligitur, apprehenditur, significatur, est volita, ymaginata*, et sic de ceteris verbis quibuscumque passive ampliativis. Nam secunda exponens prime erit talis, *non est vel intelligitur res quin intelligitur*; et sic de aliis. Ex istis patet quod tam subiectum quam predicatum potest distrahere et ^{B 7*} restringere verbum principale, quantum ad modum exponendi et medium inducendi, | ut in talibus, *omne quod erit, est; omne quod intelligitur vel potest esse, est*. Debet enim ^{2^a} exponens prime sic capi: *non erit aliquid quod non est*; et secunda exponens ^{2^e} erit talis: *non aliquid ens intelligitur vel potest esse, quod non est*: et sic de similibus. Et patet ex dictis sensus ultime particule inductionis talium: nam sensus particule prime erit talis; *sic est de singulis que erunt, quod illa sunt*; et sensus ^{2^e} erit talis; *sic est de singulis que intelliguntur vel possunt esse, quod sunt*; et sic de ceteris. Et sic potest verbum ampliativum ampliari, ut hoc: *omne quod intelligitur potest esse, omne quod intelligitur est ymaginatum; omne quod non potest esse potest esse*; et sic de similibus que sunt falsa; et quandoque restringuntur ³⁰ talia, ut patet in talibus: *omnis homo qui incipit esse potest generari; omnis res que necessario fuit, preterita est; omne animal que est in ista domo potest esse homo*; ista enim in casu sunt vera, et singularia eorum sunt falsa.

Gravis tamen est sophisticacio cum determinacione ³⁵ termini negativi; ut *omne quod non est, erit vel fuit; omne quod non fuit est vel erit*. Verumtamen per exponentes et dicenda in posterum patet quomodo ad omnia talia sit dicendum. Nam illa; *omne ens quod non fuit erit*, debet sic exponi, *aliquid ens quod non fuit*

and all ampliative terms may be combined with each other to form more complex terms.

^{3, 6.} instanti — cum bottom of page B. ^{8.} ceteris pro desinit A;
^{ib.} dicendum B. ^{10.} ^{ib.} ar B. ^{10.} ad modum pro medium B. ¹⁸ primi both MSS.; ^{ib.} aliquid erit B. ^{19.} ²¹ both MSS.; ^{ib.} aliquod B.
^{21.} predictis B; ^{ib.} pti^{le} A. ^{22.} p'mi A. ^{26.} hic B. ^{30.} talia deest B.
³³ simplicia sua pro singularia corum A. ^{37.} p'tium. ^{38.} ens deest B.

which amounts erit, et nullum fuit vel erit ens quod non fuit vel quod to: *Some not-A in the past non erit, et negativa est examinanda per suum contra-will be A; and dictionum. Unde talia faciliter discerni possunt per sua no A (past or future) was not contradictoria quam per suas exponentes, ut patet de or will not be A.* But in these cases it is better to take their contradictions than to expound them. istis: *omne quod non est potest esse; omne quod non est fuit vel erit, potest esse; omne quod non est intelligitur;* et sic de aliis. Semper tamen addendum est in secunda exponente verbum substantivum (conformis temporis cum verbo secundario negativo) disiunctum, cum verbo similis temporis cum principali verbo. Ut prima illarum debet sic exponi: *aliquid quod non est potest esse, et non est nec potest esse aliquid quod non est, quod non potest esse, ergo etc.* Sed primam exponentem negant aliqui; et sic quamlibet talem universalem, cum implicat aliquid non esse. Sed probabile videtur eam concedere, per hoc quod homo generandus potest esse; et ille non est, sed potest esse aliquid.

Many would deny the first exponent as implying the non-being of something; but it may be admitted.

When the principal verb is in the past or future, the negative exponent takes the substantive verb in the present, with another such, either in the past or the future.

Si autem principale verbum talis universalis fuerit de preterito vel de futuro, tunc datur talis regula: Quod omnis universalis affirmativa de preterito vel de futuro, cuius principale verbum est non ampliativum, principale verbum secunde exponentis erit verbum substantivum disiunctum ex verbo substantivo de presenti et substantivo proporcionaliter de preterito vel futuro. Sciendum eciam quod omnis talis ampliative propositionis de preterito vel futuro secunda, exponens negativa habebit principale verbum disiunctum ex ampliativo et substantivo proporcionaliter de preterito vel futuro. Verbi gracia, quo ad primam regulam: *hec universalis, omnis homo curret, sic exponetur; homo curret, et non est vel erit homo qui vel que non curret.* Et sic, si *omnis homo fuit, tunc non est vel fuit homo qui vel que non fuit.* Exempla secunde partis regule sunt talia: *omnis res incepit esse,* que debet sic exponi: | *res incepit esse et non est vel fuit vel incepit | esse res que non incepit esse; ergo, etc.*

For instance: *Every A will be B; i. e. Some A will be B, and no A is or will be that will not be B.*

In the case of 'beginning' the strict observance of the rule is superfluous; also in the case of 'can'.

B 7^b
que debet sic exponi: | *res incepit esse et non est vel fuit vel incepit | esse res que non incepit esse; ergo, etc.* A 21^b
Verumtamen, gracia materie, non oportet addere verbum tale ampliativum de preterito. Secundum exemplum est *omnis res potuit fuisse*, que debet sic exponi: *aliqua*

1. vel before quod deest B. 1. et — non erit in marg. A.
2. eius B. 7. cetēris B. 9. B^o 10 A. 15. mihiem B. 16. propter B.
21. cuius deest A. 23. disiunctum A; disiunctū B; ib. subiecto pro verbo substantivo B; ib. et sic B. 24. proporcionaliter deest B.
29. secundam pt^e pro primam B. 33. regule deest B.

res potuit fuisse et non est vel potuit fuisse aliqua res quin potuit fuisse, ergo etc. Et gracia materie non valet addere verbum tale substantivum in minori, nec verbum tale disiunctum de presenti; cum eo ipso quod quicquid fuit, ipsum potuit fuisse, et non econtra, ut patet de motu brunelli corrupti et respectibus individuatis a tempore cum veritatibus affirmativis et negativis. Et, si *omnis res poterit esse* tunc sufficit, sive dicatur quod *nunc non potest esse* sive quod *non poterit fore res*, quin *poterit esse*. Et sic, si *omnis res significabatur*, tunc nulla res fuit significabilis quin significabatur. Et sic de similibus.

Nec obest istis quod extreum ampliatum ampliet in propositions
verbum, ut patet in istis: *Omne quod potest esse est*, of this sort
quia sicud illa proposicio, *hoc quod fuit, est*, implicat existence is
hoc fuisse, sic illa, *omne quod fuit est* implicat *aliquid implied; what
was is*, implies that something
fuisse; quia aliter superflue adderetur verbum de pre- was; yet
terito; non tamen opportet universalem implicare asser- universals
tive, qualitercumque implicat aliqua eius singularis. they differ from
Nam quelibet singularis huius, *omne quod fuit est*, con- their singulars,
vertitur cum singulari illius: *omne quod est fuit*. Et which imply
tamen universalia non convertuntur, ut prius dictum existence.
est in simili.

Ex istis potest patere cum quibus mediis fiet de- How to analyze
scensus ad singularia universalis affirmative. Nam potest a universal
25 pro regula sustineri quod conformiter sicut verbum affirmative
secunde exponentis universalis affirmative fuerit dispon- proposition into
nendum, sic disponendum est verbum medii descendendi. its singulars.

Verbi gracia, *omnis homo currit*; *hoc est homo*, quounque Every A is B:
demonstrato, sive existente sive non existente; ergo hoc A¹ is B,
30 *currit*. *Omnis res incipit esse*, *hoc A est res vel incipit* A² is B,
esse res, ergo hoc A incipit esse. *Omnis res potest esse*, Every A begins
anticristus potest esse res; ergo, anticristus potest esse. A³ is B,
every A begins to be B. . . . is every A begins to be B. . . . is
to be B. . . . is every A begins to be B. . . . is

1. vel fuit vel potuit *pro* vel potuit B; vel non potuit A. 2. oportet B.

4. sed B. 6. b*uell* B; ib. individuantibus A. 6, 7. a te A. 8. tc no pro
tunc B. 9. noc above the line A before quod; deest B; ib. esse deest B.
9. significabitur A. 28. h currit *pro* hoc est homo A; ib. quounque
individuo homine B. 30. vel deest A.

6. *Brunellus* is a word that occurs later in this work, as the name of an ass; but what the present allusion may be, it is hard to guess. 28. It is clear that some mistake has been made here, but it would not do to take too much liberty with the text. I therefore confine myself to showing in a side-note what I think was Wyclif's idéa. It shows the ordinary method of the *descensus ad singularia* (l. 24, 25) from which Wyclif's examples widely depart.

Omnis res intelligitur; ista res est intelligibilis: ergo, ista res intelligitur. Et sic de preterito et futuro.

When the predicate is separated from the verb, the proposition may have different meanings, according to the genders which may vary.

Or the sense may change when a relative pronoun can be supposed to have several antecedents.

The rule is that it must stand for the nearest antecedent, unless its form shows clearly to which it belongs.

This leads us to those fallacies called amphibologies, which change the relations between words.

Quarto, accedit variacio principaliter in exponendo universalem affirmativam ratione predicati predictantibus tertium adiacens; et hoc contingit tot modis quot modis 5 dictum est subiectum variari. Quandoque enim predicatum restringit subiectum, ut hec: *omnis homo est albus*, quod tantum valet, quantum valet id: *quilibet homo est albus*, quia negativa exponens, que est illa: *non est homo non existens albus* non falsificaretur nisi 10 pro muliere; sed hec est incongrua: *mulier est non existens albus*. Ideo pro congruitate dicte universales convertuntur. Quandoque autem predicatum est terminus implicativus, cuius relativum potest habere diversam antecedentis construccionem. Et in talibus multi apprincipiantur 15 multa sophismata que iudicio meo tenent infinitum gradum valoris, cuiusmodi sunt talia: *omnis pater generat individuum de sua substancia cui est similis in specie*.

Potest enim ille terminus, *cui*, referri ad illum terminum, *substancia*, vel ad illum terminum, *pater*, vel 20 ad illum terminum, *individuum*. Si ad illum terminum *substancia*, cum terminus, *species*, sumitur pro specie specialissima famosiori, et *substancia* talis sit semen, falsa esset proposicio. Ideo potest pro regula sustineri

quod relativum referibile ad utrumque duorum antecedentium predencium, ad quorum neutrum est accidentibus limitatum, debet referri ad proximum antecedens: ut in exemplo posito debet iste terminus, *cui*, referri ad illum, *substancia*. Sed sic, dicto, *omnis homo est animal quem contingit non esse*, oportet illum terminum, 30

quem, referri ad istum terminum *homo*, propter convenientiam accidentium pro congruitate salvanda. Et sic, dicto, *in omni instanti fuit vir*, *in quo fuit homo vel mulier*, debet iste terminus, *quo*, referri ad illum terminum instanti propter convenientiam casuum; et 35 sic de similibus iudicandum.

Et talia sunt sophismata ex amphibologia vel equivocatione procedencia, ut patet de istis, *quicquid vivit semper erit; Omne quod eveniet de necessitate eveniet*;

7. hic B. 10. after homo, non *deest* A. 14. ampliatus A.
 14, 15. *āntē above* A; *deest* B. 15. *app̄ciār* A. 23. *fīma pro famo-*
siori AB. 27. *propriam B; ib. consequens A.* 30. *quem nō B.* 34. *vel*
mulier deest B. 37. *amphy^a* A. 39. *est B.*

*omne quod vivit bene placet deo; et sic de ceteris. Et taliter contingit equivocare in universalibus adverbiorum, ut in talibus: *Ubique est mundus; semper erit motus successive durans; semper deus cognoscet quod A non dividet B superficiem quam incipit dividere;* et sic de similibus. Prima enim potest habere istum sensum: *in omni loco est mundus, vel istum; ad omnem locum est mundus; et secunda potest habere istum sensum: per omne tempus erit motus successive durans, vel istum: in omni tempore est motus successive durans.* Et tertium distributive pro omni quando, si univoce sunt instans et tempus quandalitates. Tercia proposicio potest habere sensum tales: *per omne "quando" deus sic cognoscet; vel tales, in omne "quando" deus sic cognoscet.* Et tales sunt equivocaciones in istis: *quociens fuisti Oxonie, tociens fuisti homo.* Nam aliqui intelligunt sic: *in quotquot instantibus fuisti Oxonie, tot vicibus fuisti homo.* Alii autem, cum quibus ego, sic intelligunt: *quotquot vicibus interpollatis fuisti Oxonie, tot vicibus fuisti homo.* In talibus enim magna est difficultas, ut patet alibi. De aliis autem particulis copulatis disiunctis vel quomodo-libet aliter compositis cognosci poterit danda sentencia ex predictis; et sic quo ad omnem universalem affirmativam, quantum ad modum probandi parcium, servire sufficiunt regule supra dicte, etc.*

6. \tilde{p} A. 12. $\widehat{\text{q}}\text{dalit}\text{es}$ A; $\bar{q}\text{dalit}\text{es}$ B. 17. tociens B. 19. int'-
pollat^a A. 20. n. A; *ib.* ut — alibi *deest* B. 21. $\widetilde{p}tis$ A. 24. pclu; A;
deest B. 25. potuerunt *pro* sufficiunt B.

CAPITULUM QUINTUM.

The universal negative can be proved.

I. *A priori.* As: probari potest quod *nullus homo est quantitas*, quia *no man is a quantity*, *nulla substancia est quantitas*. Et illa universalis (*nulla substancia est quantitas*) secundum Aristotelem est inquantitatem; the latter being self-evident, as being one category denied of the other. Secundo, potest universalis negativa probari a posteriori, utputa, per sua singulare; ut ista, *nullus homo est asinus*, est inducibilis ex talibus singularibus: *iste homo non est asinus*, et sic de singulis. Et cognoscemus que sunt singulare dati universalis per septimam regulam supradictam, cui regule addendum arbitror quod, ad hoc quod aliqua sint singulare date universalis, oportet quod non solum verbaliter sed sententiaconveniant in extremis. De conveniencia verbali dictum est quomodo requiruntur totaliter predicata esse singulare, sive signa universalia aut sinkategorica fuerint partes predicatorum, ut hec, *omnis homo est omne animal*, et *omne animal est homo vel asinus*, et sic de similibus; sive non fuerint talia signa a parte predicati. Et de subiectis dictum est quomodo oportet totalia subiecta preter signa universalia et signa demonstrativa, esse sinonima, quamvis quandoque equivaleant, etsi non sint sinonima. Sed pro conveniencia quo ad sentenciam est notandum quod oportet subiecta singularium et sui universalis in suppositione proporcionata, i. e. that the supposition, simple or personal (abstract or concrete) should

1. Cap. *deest* AB. 2. Initial U in blue ink A, *deest* B. 5, 6. nulla — secundum above the line A, *deest* B. 8, 9. quia non potest probari a priori after immediata and above the line A. 13. alii B; ib. cognoscens AB. 16. dati A. 17, 18. fina^{re} A. 18. convenientat B. 20. sing^a A; synonyma B. 21. ps B.

liter convenire; ut si simpliciter, utrobique simpliciter, be the same in
si personaliter, utrobique personaliter. both cases.

Nam secundum vere ponentes quamlibet animam Examples.

A 22^b hominis esse trinam, scilicet memoriam, rationem | et
5 voluntatem, tunc hec universalis est vera; *nulla anima*
hominis intellectiva est non trina; et sic de ceteris;
quamvis quelibet talis singularis est falsa: *non ista* 1. Every human
ratio intellectiva est non trina; *non ista memoria vel* soul is three-
voluntas est non trina; et sic de ceteris; quamvis que- fold; but we
libet talis memoria, ratio, vel voluntas sit anima intel- cannot conclude
lectiva. Et ideo diversitas est, quia in universali negativa that every
supponit ille terminus, *anima*, simpliciter pro essentia individual memory of
anime, et dicte singulares supponunt personaliter pro man is three-
eius personis, ut sic loquar. Vel aliud exemplum fami- fold, because
liarius potest poni, supposito quod quelibet species the supposition
perfecta animalis fuit in archa Noe, tunc secundum changes.
volentes concedere quod *omne animal perfectum fuit in* 2. Grant that
archa Noe ad istum sensum quod omnis species animalis every perfect
perfecti fuit in archa Noe, non erunt ille singulares animal was in
negative huius, *nullum animal perfectum defuit tunc ab* Noah's ark
archa Noe, non hoc animal singulare defuit tunc ab (meaning every
archa Noe; et sic de singulis. Sed erunt tales propor- species); we
cionaliter supponentes pro speciebus, sicud pro speciebus cannot say:
fuit distribucio; *non hoc animal perfectum defuit tunc ab* A¹, A², A³...
25 *archa Noe*; et sic de singulis. In talibus enim univer- are animals: therefore they
salibus non debet quis descendere ad ultimum singu- were in Noa's
lare, ymmo forte non est possibile signare ultimum ark.
singulare, cum singularius sit istum hominem esse
zophistam quam istum hominem esse: et sic de singulis
30 circumstanciis individuantibus infinitis.

Sed in assignando singularia universalis negative de
subiecto composito, est pro regula observandum quod
totum subiectum in quo communicat singularis cum sua
universalis negativa per negacionem explicatam est ne-

35 gandum. Verbi gracia, hec universalis, *nullum animal*
B 9^a *alicuius | quantitatis est*, habebit talia singularia, *non*
hoc animal alicuius quantitatis est; et sic de aliis. Unde,
quamvis in quibusdam singularibus, ubi subiectum est
simplex significacione, non refert sive negacio sit pre-

Indeed, it is
perhaps
impossible to
descend to
the ultimate
singulars in
any case.

The singular of
a universal
negative, when
the subject is
compound, is
found by
prefixing the
negative to the
singular
affirmative
proposition.

1, 2. utrobique — utrobique *in marg.* A. 4. esse hominis B.
5. et *pro* tunc B. 11. *ratio diversitatis* B. 13. negative B. 21. nam
pro non B. 22. alius B. 24. tunc perf. def. B. 24, 25. ita non ista
species defuit tunc ab archa noe B; alius B. 29. quam — esse deest A;
ib. alius A. 36. *quantitas* B; ib. *hec pro* talia B.

posita vel postposita, ut communiter solet servari pro regula, verumtamen (ut universaliter dicatur) semper in talibus singularibus negacio est proponenda. Iste enim singulares sunt vere: *hoc animal alicuius quantitatis non est*, et sic de singulis. 5

A difficulty: the sum of the singulars: *This animal has not a certain size...* etc. — would amount to: *No animal has any size at all!*

To clear this up, note that all the parts of the subject, and also the predicate, are distributed, or universal.

It follows that a negative universal can be converted simply, that it requires no middle term to descend to its inferiors; and that however simple its form may be, it comprises a very complex negative.

Another rule: in contradictory propositions, subject and predicate must have contradictory suppositions.

In the universal affirmative the subject has universal, the predicate particular supposition.

Et tamen hec universalis negativa est impossibilis, *nullum animal alicuius quantitatis est*. Unde predicte singularares inferunt talem universalem negativam, *omne animal alicuius quantitatis non est*, que equipollent isti: *nullum animal cuiuslibet quantitatis est*. Pro quo declarando, oportet duas regulas premittere, primo, quod cuiuslibet universalis negative cuius distribucio negativa precedit, tam totum subiectum quam eciam predicatum (si non alia obstet distribucio) utrumque distribuitur negative; ut sic, dicto *nullius hominis asinus currit*, vel 15 *nullus asinus hominis currit*, quod idem est, tam rectum quam obliquum quomodounque dispositum, quam eciam predicatum distribuitur negative. Et hinc est quod non refert preponere rectum obliquo vel econtra in talibus, et quod universalis negativa propter vehementiam distributionis transiens ad predicatum est convertenda simpliciter, et quod ab universalis ad sua singularia contingit descendere sine medio; ymmo, quod omnis universalis negativa de quantumcunque simplici subiecto, infert universalem negativam de subiecto 20 composito, pro quoconque tempore distributo; ut bene sequitur: *nullum animal est*; ergo, *nullum animal quod fuit, est, vel poterit esse, vel quod erit, est*. Et secus est in toto de universalis affirmativa.

Secunda regula premittenda est, quod in proposicio-30 nibus contradictoriis oportet extrema proporcionalia contradictoriis modis supponere. Et voco contradictorios modos supponendi, suppositionem universalem | affir-A 23^a mativam et suppositionem particularem negativam, et suppositionem universalem negativam et suppositionem 35 particularem affirmativam. Et eciam suppositionem affirmativam et suppositionem singularem negativam,

ut, sic dicto, *omne animal est corpus*, subiectum supponit

1. sive post B. 2. universalis B. 4. qutitf A. 5. aliis B.
6. falsa est B. 9. illam pro isti A. 13. totum B. 15. dicendo B.
16. nullius B. 17. quoconque A. 19. ppon'e A. 21. inf&ntf AB;
ib: est deest A. 34—38. supponendo A; suppositionem particularem negativam et suppositionem universalem affirmativam et singularem affirmativam et singularem negativam: ut sic dicendo B.

universaliter affirmative et predicatum confuse tantum affirmative. Sed in ista, *animal non est corpus*, subiectum supponit confuse disiunctive negative, et predicatum confuse et disiunctive negative. Et sic invenies in contradictioniorum quibuscunque. Iстis suppositis, cum aliis prius dictis, patet quod in ista, *omne animal alicuius quantitatis non est*, stat pars recta subiecti confuse disiunctive negative et pars obliqua confuse tantum negative. Ideo in suo contradictionio stabunt partes subiecti modis oppositis, ut patet hic, *aliquid animal alicuius quantitatis est*; ibi pars recta stat disiunctive affirmative, et pars obliqua per addicionem signi distributivi distributive affirmative. Et patet universaliter quomodo de omnibus talibus contradictionia, contraria, et subalterna debeant assignari. Nota tamen quod hec est amphibologica, *omne animal alicuius quantitatis non est*, ex hoc quod obliquum potest construi et regi a recto ex B 9^b vi accidentis; et tunc est impossibile | convertibile cum isto *nullum animal alicuius quantitatis est*; vel cum verbo, 20 et ab eo regi; et tunc est necessarium convertibile cum isto, *nullum animal alicuius quantitatis est*, ita quod iste terminus, *quantitatis*, stat conformi modo confuse tantum negativa in una, sicud stetit in alia. Et conformiter senciendum est de similibus; ut ista: *cuiuslibet contradictionis altera pars non est vera*; que est tam universalis quam negativa contradicens huic: *alicuius contradictionis utraque pars est vera*. Et isti, *cuiuslibet contradictionis altera pars est vera*, contradicit hec: *alicuius contradictionis neutra pars est vera*. Sed idem 30 est dicere: *alicuius contradictionis altera pars est vera*, et *altera pars alicuius contradictionis est vera*. Ideo universalia illius contradictionia convertuntur; ut ista: *nullius contradictionis altera pars est vera*, et: *nulla pars contradictionis est vera*. Sed notandum quod quandoque, gracia 35 materie vel terminorum, stant subiecta et predicata in ambabus contradictioniorum mobiliter; ut hic: *omne animal est*; et: *animal non est*; ibi iste terminus, *animal*, stat mobiliter

4. tantum pro disiunctive B. 7. recta *deest* A. 7. 8. d^{7^{ae}} A.
10. *cuiuslibet* B. 12, 13. pars — Et patet twice B. 13. quomodo
universaliter A. 21. *cuiuslibet* B. 22, 23. negative confuse tantum B.
25, 27. que est — vera. Et *deest* A. 27. ista A. 28. hoc A. 31. et
aliqua A. 35, 36. ambus A. 37. ubi B.

37. It is very difficult to find what Wyclif exactly means by *mobiliter*. In *Logica* (p. 40, l. 32) he takes it as an equivalent for *confuse distributive*. Here he takes it otherwise. See next p., l. 1—5.

In a particular negative there is no universal supposition.

It is obvious that *Every animal is of some size* does not generalize its predicate.

And note that its contradictory: *Every animal is not of some size*, has two meanings.

In one case, 'of some size' means 'of any size' and is universal; in the other it is particular.

So also for the proposition: *in every couple of opposites one of them is not true*.

Sometimes on account of the matter, the predicates are universal in both the universal affirmative and the universal

negative that corresponds;
but it is
properly
distributive
only in the
case of the
negative.

III. *Ab absurdo*.
A third manner
is by pointing
out the falsity
of the opposite
proposition.

Many
propositions
seem false and
yet their
opposites are
certainly false.

This proof is
founded on the
principle:
Nothing is and
at the same
time is not; and
is much used
by
geometricians.

Examples.
1. Sophistical
juggles about
the *Nothing* and
the *Absurd*; all
the ridiculous
consequences
they draw are
based on the
principle: That
of which
the opposite is
false must be
true.

Only they take
false opposites,
as may be seen
by going in
detail into their
arguments.
To differ from
non-entity does
not imply the
opposite of
non-entity.

in utraque, sed distributive in una et indistributive in alia. Et sic in ista: *omne ens est ens*, stat predicatum mobiliter, sicud in ista: *ens non est ens*; non tamen distribuitur predicatum prime per signum universale, sed pocius mobilitatur gracia materie. ⁵

Tertio modo probanda est universalis negativa efficaciter indirecte per dacionem sui oppositi. Multa enim sunt talia universalia que apparent falsa; et tamen sua opposita, cum fuerint considerata, apparetur eciam esse falsa. Ideo, hoc cognito, probatur per hoc principium: *nichil simul est et non est*, quod universalia sunt vera. Et illo modo frequenter demonstrant geometri tam conclusiones affirmativas quam negativas, sic, ut posita una negativa conclusione, cui falsigraphus contradicit, dans oppositum ducitur satis notorie ad oppositum primi principii, vel alterius prius dati. Et istum modum probandi Aristoteles vocat demonstrationem ducentem ad impossibile. Sophista tamen directe concludit propositum sic argumentando: *oppositum illius universalis est falsum; ergo, hoc est verum.* ²⁰

Exemplum primum est de talibus universalibus: *nichil et chimera sunt fratres carnales geniti ex eadem matre, quia de matre tua prius quam ipsa fuit; et sic vere sunt germani tui tam infinitum seniores quam infinitum iuniores te*. Et sic de similibus ridiculis infinitis | que sophiste A 23^b proponunt verificantes omnia negative, probantes omnia talia per hoc quod *omnium talium opposita sunt impossibilia*; puta quod *aliquid et chimera sunt fratres carnales*; ideo *nichil et chimera sunt omnia que sunt*, et tamen ab *omnibus differunt*, quia differunt a seipsis. Sed cave de negatione, quoniam non sequitur: *nichil et chimera differunt ab illo quod non est*; ergo, *non sunt illud quod non est*; sed pocius sequitur quod *sunt illud quod non est*. Nec sequitur quod *si sunt sapienciora te*, quod *non sunt minus sapiencia quam tu es*. Sed sequitur oppositum: scilicet, 35 *quod fuerint insapienciora te*. Nec sequitur: *nichil et*

^{3.} sed tamen non B. ^{6.} efficaciter negativa A. ^{9.} eciam deest; blank space B. ^{13.} tam deest B. ^{14.} una questione; above conclusione B. ^{15.} satis dicitur B. ^{19.} ppōm B. ^{21.} primum deest B; ib. ^{ib.} ^{ūl} nichil A. ^{22.} chime'a A. ^{26.} negativa B. ^{27.} tli'a A, talia B; ib. tli'um A; ib. ^{~3ap̄ū} added after talium A, deest B. ^{31.} qui AB. ^{35.} ō B. ^{36.} scilicet deest B.

^{22.} I think *chimera* ought to be understood here as any being that cannot possibly exist; any *absurdity*.

chimera sunt infinitum plura quam duo et infinitum pauciora quam unum: ergo, non sunt tot quot sunt; sed sequitur oppositum. Ideo, quando queritur a sophista quid fecit hoc? vel aliqua alia interrogacio; vere respondet quod nichil, et chimera et quodcunque volueris illis adiungere, hoc fecerunt; sunt enim tam confederati socii cum quoconque; quod illa sciunt omnia intelligibilia et tamen cuilibet alterum impossibilia; nec sequitur: omnia que possunt tot mirabilia facio quot potest deus non sunt minus potentiora quam deus, vel aliud assignandum, quia antecedens est necessarium et consequens impossibile; tum nichil et chimera necessario sunt infinitum minus potentia quam unum finitum modice potencie. Ymmo breviter, non est aliqua propositio in tali materia proponenda quin optima sic probacio an sit vera vel falsa, est per adversionem ad suum oppositum. Secundum exemplum est de talibus: ex nihilo nihil fit, nihil ordinavit deus esse materiam ex qua fiebat mundus; nichil fit ex nichilo, et sic de similibus. Et, si bene respicies, prima istarum est impossibilis, cum necessario ex aliquo nichil fit. Secunda est vera, quia eius oppositum est falsum, videlicet quod aliquid ordinavit deus esse materiam ex qua fiebat mundus. Tercia est etiam vera, que fuit principium philosophis negantibus quicquam posse creari. Et tali modo derisorie locuntur quidam de nemine, dicentes quod est maximo maior, infinitum maior deo et infinitum peior pessimo. Tercium exemplum est de veritate negativa significata per universalem negativam; ut nullum hominem esse asinum est deum esse, ymmo, quidlibet mundi; et sic contingens necessarium et impossibile et significatum a qualibet signo. Et est in omni loco, omnia regens, et sic de infinitis aliis negative verificatis. Alias tamen alibi declaravi quomodo ille propositiones possunt aliter significare et consonancius conceptibus logorum.

Quarto modo, potest universalis negativa probari ex equo, ut per suam simpliciter conversam vel quomodo-

libet aliter equipollens, ratione diffinitionis vel descrip-

2. t'a f3 B. 3. Etideo si B. 5. rñd3 A; respondet B. 8. tantumlibet alterius possibilia; tñ cuilib; alterius ^{erivis?} added in very much faded ink A; cuilibet alterius possibilia B. 11. aliquid B. 14. aliqua talis B. 15. ponenda B; ib. sit deest B. 20. inspicias B; ib. istorum A. 33. neve A. 38, 39. qualibet B. 39. equivalens.

To be infinitely many and few is not to be more and less numerous than oneself.

Nothing can make as many miracles as God; it does not follow that "nothing" is not less powerful than God.

2. Some philosophical difficulties concerning nothing.

Nothing is made out of nothing; false, for it must be made out of something.

Nothing was that out of which God made the world.

This is true; for God made the world out of something is false.

3. The negative truth of a proposition may be said to extend very far, proving the existence of God and consequently of all things in the world; but this is dealt with elsewhere.

IV. Ex aequo. Thus we prove that "no animal is a chimera", because "no chimera is an animal".

cionis terminorum; ut per hoc probatur quod *nullum animal est chimera, quia nulla chimera est animal*. Et probatur per hoc a priori quod *nulla chimera est animal, quia nulla chimera est*. Et per hoc probatur quod *nullum animal est insensibile, quia nullum sensibile est*

insensibile. Et sic de ceteris. Exponentes autem talium universalium non inveni, quamvis cum diligencia sum scrutatus: ut iste non expositorie inferunt | negativam; B 10^b *aliqua chimera non est, et nulla est chimera quin non est; ergo nulla chimera est*, vel *omnis chimera non est* 10 ^a *est*; for the negative (quod idem est); quia minor non existens | exceptiva A 24^a *minus quin, convertitur cum illo termino composito qui non est*, et *nulla chimera est quin est*. Si autem teneatur 15 affirmative exceptive, tunc non universaliter tales exponentes et expositum convertuntur; ut, posito quod *nichil currat*, tunc verum est quod *nullum currens est animal*. Et tamen falsum est quod *nullum est currens quin illud non est animal*, posito quod exceptive implicet *currens esse*. Et racio huius communiter ponitur, quod oportet exponencium unam esse affirmativam, et aliam negativam; ideo, minore negativa non est exponibilis, sed per affirmativam probabilis, sicud *negacio et privacio per affirmacionem naturaliter cognoscuntur etc.*

25

2. *nullum pro nulla chimera A.* 11. *ex̄s A.* 12. $\widehat{\bar{n}}$ = *enim B.*
 15. $\widehat{t\bar{e}r}$ A. 18. *quod deest A.* 20. *exceptiva B.* 21. *quia B.*

CAPITULUM SEXTUM.

Particularis affirmativa iuxta secundam regulam quadrupliciter probari poterit. Nam non est possibile quod
 5 quitquam probetur nisi vel directe vel indirecte, nec est via possibilis predicandi aliquid indirecte nisi ex eius opposito. Si directe, non est possibilis probacio nisi ex vero. Quamvis enim ex falso sequitur verum, nunquam tamen falsum directe probat verum. Et si verum probetur per verum, non est possibile nisi verum
 10 probans sit prius aut posterius, vel equum in natura cum veritate probata. Et patet necessitas secunde regule supradicte.

A particular affirmative proposition, like all others, is proved either directly or indirectly; and if directly, by its equal, its inferior or its superior:

Exemplum ergo probandi particularem affirmativam I. *A priori* (by a priori est tale. Terra dyametaliter intercipitur inter solem et lunam: ergo luna eclipsatur. Antecedens enim, si est, est causa consequentis, quamvis mutuo se inferant. Multe enim sunt cause priores naturaliter suis causatis, quamvis convertibiliter se inferant. Ideo dicunt logici quod duplex est prioritas naturalis, quo ad causam et quoad consequenciam; quo ad causam, ut prius naturaliter est homo, quam est risibile; et universaliter subiectum quam eius passio, et tamen quo ad subsistendi consequenciam convertuntur: quoad consequenciam; ut prius naturaliter est movens esse, quam causans esse.
 15 Et certum est quod idem est: *prius est causa posterioris*, et cum hoc *quoad consequenciam prius, est causa*. Et sic universaliter probacio a priori est utilior quam aliqua aliarum, quamvis iuvenibus sit minus rapida.

The earth is between the sun and moon, all three being in a line: therefore the moon is eclipsed. Here the first proposition is the cause of the second. But there are two sorts of priority; priority of cause and of consequence; to be human is prior to being risible in the first sense; to move is prior to causing in the second.

Secundo modo probatur particularis a posteriori, et II. *A posteriori*. Either by its inferior that is distinct from a priori, or by some singular proposition that infers it.

1. Cap. *deest*. 2. Initial P in red ink AB. 5. ad *predicandi A*.

14. dyametri A. 16. si ē ē A. 23. quam. 25. est after idem *deest B*; ib. est above line A. 25, 26. posterius A. 27. utilior valdior B. 29. priori A.

Thus, I see a *videtur a me sunt subiective operaciones vitales; ergo: corpus quod videtur a me est vivum.* Et illa probacio vital operations go on, and I est famosa apud philosophos naturales, et vocatur conclude that *it lives.*

Or, from the fact that something runs and this something is a man, I say that some man runs. The rule here is that the major must be the singular of the proposition to be inferred, and the minor a singular with the same subject as the major, and the predicate identical with the subject of the conclusion.

But the verb in the minor should be the substantive verb, in the same tense as the conclusion, with another verb (if necessary besides) similar to that in the conclusion.

The great difficulty is in assigning this other verb: therefore several examples are given.

videtur a me sunt subiective operaciones vitales; ergo: corpus quod videtur a me est vivum. Et illa probacio secundi est tale: *hoc currit, et hoc est homo, ergo homo currit.* Et isti modi probandi innituntur sophiste, de quo datur talis regula: *Quod ad particularem affirmativam aut sibi | equivalentem inferendam resolutorie oportet maiorem esse singularem proposicionis inferende et minorem esse singularem de subiecto sinonimo cum priori, et verbo ac predicato proporcionalibus verbo et subiecto proposicionis principaliter inferende.* Verbi gracia, inferendo istam, *homo currit,* sic arguitur: *hoc currit, et hoc est homo;* ergo, *homo currit.* Modo maior est singularis indefinite probande, et minor est singularis de subiecto synonimo cum subiecto maioris, et predicatum minoris est sinonimum cum subiecto proposicionis probande. Ideo tale proporcionabile subiecto proposicionis et verbo minoris est proporcionabile verbo proposicionis probande; quia est verbum substantivum eiusdem temporis cum verbo proposicionis inferende. Et ut breviter dicam de proporcione verborum indefinite probande et sue minoris, est pro regula observandum: *Quod verbum minoris et indefinite probande est verbo illius indefinite consimiliter coaptandum.* | Illud A 24^b verbum secunde exponentis universalis affirmative est verbo directe vel exponibiliter similandum. Et quomodo hoc erit, potes cognoscere ex 12^a, 14^a, et 15^a regulis supradictis.

Et in assignacione talium verborum est magna pars difficultatis huius materie, pro qua concipienda ponam per ordinem tot exempla. Si *hoc est et hoc est homo, tunc homo est.* Si *hoc incipit esse et hoc est album vel incipit esse album, tunc album incipit esse.* Unde, si de possibili una res alba incipit esse per rempcionem de presenti, tunc foret talis minor falsa: *hoc est album.* Ideo oportet sub disiuncione verbum probari, ut si *hoc potest esse et hoc est album vel potest esse album, ergo album potest esse.* Si *hoc potest esse, et hoc est vel*

6. sopp^e A. 7. partem A. 8. subiecti A. 9. minorem A.
 14. minor A. 18, 19. tale — est deest A. 23. probando A. 25. consimiliter deest B; ib. sicud B. 27. universalis B. 27. exponibilis both MSS. 28. potest B; ib. et deest B. 35. inciperet B. 37. predicari B; ib. ut in marg. A. 37, 39. si — si deest A.

potest esse episcopus, tunc episcopus potest esse. Si hoc significatur, et hoc est vel significatur chimera, tunc chimera significatur. Et sic proporcionaliter de aliis disparibus, de preterito et futuro.

5 Sed de accepcione significacionis illius verbi *est*, est controversia inter homines. Aliqui enim volunt *esse* solum esse *esse* commune ad actuale; et illa significacio est famosior, non solum apud vulgares, sed apud logicos hiis diebus. Sed alii volunt tripliciter res esse, puta secundum esse actuale; ut homo dum vivit *est*; secundum esse potenciale, ut res que non actualiter est, sed potest esse actualiter; ut anticristum *esse*. 10 *3^m esse* est intelligibile, ut res que non est actualiter, nec potest actualiter esse, sed intelligitur; et sic claudit 15 contradiccionem aliquod nominabile non esse, cum omne quod potest esse est secundum *esse* potenciale; et omne quod non potest saltem actualiter esse est secundum *esse* intelligibile; et iuxta illam viam sufficeret ponere in minori verbum substantivum, tam in exponendo 20 quam in inferendo, sine tali arte vel ranga verborum. Et difficile est valde, inventire artificialiter verbum proporcionaliter ad inferendum talia: *chimera significatur qualiter non potest esse, intelligitur*, et cetera similia. Non enim valet tale medium: *hoc est significabile vel intelligibile esse chimera*, quia hoc est | verum de quolibet. Ideo, 25 (sign) may mean a chimera is true of any sign. iuxta talem illacionem, omne signum significaret chimeram, et per consequens quidlibet esset chimera.

Ideo quondam dixi quod non oportet addere minorem in talibus; nec adhuc occurrit mihi apcius medium 30 quam ampliando hoc unum, *est*, ad tale triplex esse. Et si queratur quomodo habebitur quod *hoc est chimera*, dicitur quod ex hoc quia *illa chimera est in intellectu vel intelligitur*. Nec est idem dicere, *ista chimera intelligitur et hoc intelligitur esse chimera*, quia quocunque demon- 35 strato, *illud intelligitur esse chimera necessario*, sed de nulla alia re est verum quod *illa chimera intelligitur*; ideo illo termino ‘*hoc*’ demonstrante chimeram simi-

5. huic B. 7. esse *deest* B; *ib.* ad esse B. 12—14. sed — nec in marg. A. 12. anticristus; esse *deest* B. 13. vel 2^m pro 3^m B; *ib.* intellectuale *pro* est intelligibile B. 14, 15. clauditur contradictorium A. 15. nominale A. 18. intellectuale B. 20. ranga AB. 21. alter B. 28. quod *deest* B. 33. non B. 34. chimeram B.

14, 15. *Claudit — nominabile.* Because it is nameable.

liter bene sequitur sine medio, *hoc significatur*, vel *intelligitur*: igitur *chimera significatur* vel *intelligitur*.

We must, as before, take care to change the middle term according to the tense of the verb in the proposition to be proved. Sed inferendo talia particularia de preterito vel de futuro, oportet proporcionari verbum minoris conformiter, sicut prius de universalis affirmativa; ut si *hoc curret*, et *hoc est vel erit homo*, *tunc homo curret*; et si *hoc cucurrit* et *hoc est vel fuit homo*, *tunc homo cucurrit*. Prima tamen talium inferencium, quamvis sit singularis, est probando, resolvendo verbum iuxta sextam regulam ad singulare tempus de preterito vel de futuro; ut si inferri debet quod *hic curret*, *quia in tali tempore vel in tali instanti hoc curret*.

This leads us to admit that a given man will differ from a given ass at a certain time; but we cannot infer any more. Et hic nota; nam iuxta illud conceditur quod *homo differat ab asino* | quamvis non omnis *asinus differat ab illo*; *quia hoc differet ab asino*, et *hoc est vel erit homo*; ergo, *homo differet ab asino*. Et maior sic probatur. *Hoc in tali instanti differet ab asino*, ergo etc. Et assumptum sic probatur: *hoc in tali instanti erit*, et in *tali instanti erit asinus*; et *hoc in tali instanti non erit asinus*; ergo *tunc differet ab asino*. Et ex hoc bene sequitur quod *omnis asinus qui erit tunc differet ab illo*. Et conformiter conceditur in casu communi de muliere impregnata, de qua erit verum dicere quod *hoc est omnis homo*, quod *hoc erit omnis homo*; *quia hoc in B instanti erit omnis homo*, sicut patet per exponentes illius termini, *omnis homo*. Ideo *hoc erit omnis homo*. Nec sequitur ex illo quod *omnis homo erit hoc*, sed bene sequitur quod *illud quod erit omnis homo erit hoc*, et quod *omnis homo existens in illo instanti in quo hoc erit omnis homo*, et *hoc*. Idem enim est: *in illo instanti hoc erit omnis homo*, et: *in illo instanti erit ita quod hoc est omnis homo*. Sed non est idem dicere, *omnis universalis man will be this*, *homo erit hoc*, et *hoc erit omnis homo*, *quia in prima distribuit signum tam subiectum quam verbum pro not convertible*. *quocunque tempore futuro*; sed a parte predicati non sic. Ideo, ipso subsequente, stat verbum indiffinitae quo

2. vel *pro* igitur A. 4. minoris *deest* B. 5. *de* — affirmative above A; *deest* B. 9. est tamen B. 9, 10. *juxta* — regulam *deest* B. 11. vel *pro* ut si A. 14. *differere* A. 15. *above the line*: *quia corruptus*; inter non encia non cadit differentia A. 16. non A. 17. *difflert* B. 20. *direcete* (*dirce*) *pro* bene B; *ib.* *ex deest* B. 21. *Art* B. 23. unum A; *ib.* *dicere deest* B. 28. *after* illud: concedendum *pro quod* B. 29. est ens *pro* existens B. 30. erit *pro* et B. 31. et sic ista *pro* erit ita B. 34. *distribuitur* per signum B.

ad tempus: sicut patet in istis: *hoc erit non sedens, et hoc non erit sedens.*

Unde subtiliter fuit ista regula famosa inventa *quod The rule is this: in terminis distributivis, implicativis, et comparativis, 5 non convertuntur universaliter proposiciones de preterito* *implicative, and vel futuro, cum modalibus de preterito vel futuro, in terms, past or quibus est dictorum translacio de presenti.* Unde non sequitur: *tunc erit ita quod omnis homo est Sor, ergo omnis 10 homo erit | Sor.* Et racio est quia hoc signum, *omne,* *distribuit unum verbum pro omni tempore futuro, et sic non aliud verbum.* Idem tamen est *quod tunc Sor erit omnis homo seu tunc erit ita quod Sor est omnis homo;* deficit enim talis causa. Nec sequitur, *tunc erit ita quod ille asinus est animal quod est in ista domo;* *ergo ille asinus erit animal quod est in ista domo;* et racio diversitatis est diversitas connotacionis temporis per verbum; nam secunda proposicio debet sic inferri: *ille asinus tunc erit hoc, et hoc est animal quod est in ista domo; ergo, etc.* Nec sequitur, *tunc erit ita quod 15 20 Sor est tantus quantus est Plato;* ergo, *tunc erit tantus quantus est Plato;* et sic de similibus infinitis. Ex istis patet *quod illa Sor differt ab asino non debet primo exponi per exponentes illius verbi, differt, quia ponatur quod Sor sit albus et erit albus per totam istam horam 25 et post niger;* tunc ipse differet ab albo, quia post finem huius hore, et tamen ipse erit albus. Et ex istis patet quod magna diversitas est in istis proposicionibus et earum probacionibus, ratione modi connotandi tempus per verbum; ut aliud est dicere secundum aliquos, *Sor erit 30 tantus, ita senex, ita debilis etc., sicud erit, et dicere: erit quod est tantus, ita senex, ita debilis, etc., sicud erit, posito quod continue intendatur in tali denominacione usque ad primum instans non esse sui; in quo casu communiter conceduntur proposiciones prime forme, eo quod 35 in illo tempore Sor erit ita magnus, ita senex etc., quamvis in nullo instanti eius. Due tamen sunt opiniones probabiles de talibus; prima dicit quod, si *Sor erit tantus quantus erit Plato,* tunc *in aliquo instanti erit tantus quantus erit Plato.* Et sic de singulis quibuscumque.*

This will be true: v. g. Socrates is as tall as Plato is, does not the same as: Socrates will be as tall as Plato is.

And if we suppose a man continually receiving a quality more and more intense until the moment of his death, we say that at that moment he will be v. g. as old as he ever will be; yet at that very moment he ceases to exist, and will not be.

9. *omnis B.* 11. *a'd A; ib. quod deest B.* 13. *tunc deest B.*
 14. *rce pro ille B.* 18. *erit pro est A.* 22. *differet B; ib. asino pro albo A.*
 29. *et pro ut B.* 30. *ita erit quod B.* 34. *9cem = concederum;*
 proposiciones *deest B.* 37. *probabiles deest B.* 39. *plato deest B;*
ib. similibus B.

Two opinions: Et evidencia magna est ad hoc, quod nunquam proposicio verificatur pro aliquo communi in suppositione personali, nisi sit dare aliquid singulare pro quo verificatur illud commune; ut nunquam erit verum quod *hoc cucurrit*, nisi sit dare cursum quo cucurrit. Nec 5 hoc erit in illo tempore | nisi sit dare instans singulare A 25^b pro quo erit in hoc tempore; et sic de similibus. Quare ergo non conformiter hoc: *Si hoc erit in illo tempore ita senex sicut erit, est dare instans pro quo hoc erit ita senex*, etc. ¹⁰

The other, that
it is not
necessary; but
this has been
examined
elsewhere.

Many other
sophisms
proceed from
the same root,
especially those
based on the
accident of time.
If any term can
be truly,
predicated in
the nominative
of a singular
subject, and its
opposite too,
this term is
accidental to
the subject.

Example of
fallacies; of a
man that
will be a bishop
and is not yet
so, it may be
said: This
bishop will see
S, and yet S
will never be
seen by the
bishop.

Other examples.

Ideo unus magnus logicus negavit omnes huiusmodi de preterito et futuro. Et pro alia via que concedit talia de futuro, sicut et ego quandam concessi, sunt aliae evidencie. Sed illam materiam alias disputavi; ideo sufficit pro presenti dicere aliquam viam probabilem sine argu- 15 mentis. Ulterius ex eadem radice patet tota causa sophistacacionis per anteposicionem et postposicionem terminorum accidentalium cum verbis de preterito et futuro. Pro quo cognoscendo notandum est prima | regula, quod B 12^b si fuerit aliquis terminus qui posset vere et affirmative 20 in recto predicari de subiecto singulari, cum hoc quod suum oppositum vere predicabitur de eodem, talis terminus est accidentalis quantum pertinet ad sophismata, cuiusmodi sunt termini speciales denominativi denominantes accidentia, ut *illud quod iam est sedens* 25 *potest alias esse non sedens*; et sic de albo, calvo et ceteris specialibus concretis accidentium, quamvis tamen genera accidentium non sic possunt.

Isto cognito, patet intellectus talium sophismatum; *episcopus immediate post hoc videbit Sortem qui nunquam* 30 *videbitur ab episcopo*; *iste rex fuit genitus a muliere, que nunquam genuit istem regem*; *nec unquam morietur iste rex, qui tamen morietur aliquo tempore*. *Iste sacerdos fuit vulneratus ab aliquo qui nunquam nocuit isti sacerdoti, ymmo nunquam fuit propinquus isti sacerdoti* 35 *per mille miliaria*: et sic de infinitis similibus; quorum omnium predicacio dependet super illo quod quicunque

1. ad hoc *deest* B. 3. aliquid *deest* B. 6. homo *pro* hoc B. 8. *quād* B;
ib. h' A; *deest* B. 14. alibi B. 15. dicere *deest* A; alteram *pro* aliquam B.
16. patet *deest* A. 19. primo B; *pro* regula B. 21. singulariter B. 22. conformiter de B. 25. pronominantes; de *above the line* A; *ib.* connotantes B.
26. *ca^{do} above the line* calvo A; *ca^{do}* B. 27. terminis B; *ib.* quamvis *deest* B.
28. pñt A. 30. *for* A. 35. *nunquam in marg.* A.

11. *Magnus logicus*. Probably Ockam.

terminus accidentalis, predicatus respectu verbi affirmativi de preterito vel de futuro limitat ratione difference temporis connotati suum significatum inesse subiecto pro conformi tempore connotato; ut si *videbis istum episcopum*, tunc *videbis eum pro instanti pro quo erit episcopus*. Si ista mulier genuit *istum regem*, tunc *genuit ipsa pro instanti pro quo fuit rex*. Si Sor percussit *istum sacerdotem*, tunc *percussit cum pro instanti pro quo fuit sacerdos*. Et sic non est, 10 ipsis positis a parte subiecti. Nam si *hoc videbis*, et *hoc est vel erit ille episcopus*, tunc *istum episcopum videbis*; sed ista: *tu videbis istum episcopum*, debet sic inferri: *tunc tu videbis istum episcopum, ergo etc.* Et antecedens probatur per hoc quod tunc erit ita quod *tu vides istum episcopum*.

15 Unde potest pro regula observari quod omnis simplex kategorica de preterito vel futuro cuius verbum non distribuitur, convertitur cum modali de conformi tempore in qua modali est dicti translacio de presenti: verbi gracia, bene sequitur cum *videbis papam, ergo, aliquando erit ita quod vides papam*; et econtra; *tu percussisti sacerdotem; ergo, aliquando ita fuit quod tu percusisti sacerdotem*; et econtra. Non tamen sequitur: *aliquando erit ita quod omnis homo est in ista domo; ergo, aliquando omnis homo erit in ista domo*; quia 25 verbum distribuitur pro omni tempore futuro. Nec sequitur: *tu videbis istos duos, videlicet hominem et asinum; ergo, aliquando erit ita quod tu vides istos duos*, demonstrando hominem et asinum. Nec sequitur: *tu genuisti istos duos filios; ergo, aliquando fuit ita quod tu fuisti vel eris per multa tempora non communicancia*; A 26* *ergo, aliquando erit ita | vel fuit ita quod tu es per multa tempora non communicancia*, | quia verbum tale indeterminate distribuitur per predicatum, ut patet in tali: *tu eris semper: que tantum valet, quantum hec uni-*

3. ^{***}quotatē A. 7. ^{***}istum B. 14. ^{***}tunc — *tu deest* A. 20. ^{***}quod tu B; *ib. videbis AB; ib. et econtra cum pro et quando tu B.* 22. *percussisti AB.* 24. *erit pro est A.* 26. *scilicet B.* 27. *videbis AB.*

28. *demonstrando — nec deest B.* 30. *duos deest; ib. ptū est t's B.*

37. ^{***}*ptūum AB; ib. ut est B.* 38. ^{et f}_{et f} *above the line A*

Rule: A simple categorical proposition in the past or the future, is, unless its verb is universally distributed, convertible with a modal proposition of the same tense as itself, with the verb in the present. Thus: *you will see the Pope* may stand for: *some day this will be true: you see the Pope.* Not so if the verb is distributed: thus: *at some time or other this will be true: Every man is in this house, cannot stand for: At some time or other every man will be in this house.* The proposition must be simply categorical too; if the predicate is copulated, it is no longer simply categorical.

versalis in omni tempore tu eris. Sic in proposito idem est dicere: *tu eris per tempus, et per alicuius temporis quamlibet partem tu eris.* Et sic patet quod peccant sophiste, negantes aliquid corruptibile fore per tempus, quia tunc, ut negantes putant, *per omne tempus ipsum 5 erit*, ratione distribucionis illius prepositionis, *per*. Non enim distribuitur terminus cui adiungitur pro suis significatis, sed distribuitur intellectualiter pro partibus sui significati.

These modal propositions, to be true, all require a given instant; the others do not; and consequently only beginning or ending follows upon the latter.

Et tales proposiciones de inesse de preterito vel futuro, inferentes modales cum suis dictis de presenti, vocavit quidam subtilis logicus proposiciones requiri rentes instans ad hoc quod verificantur. Et alias non sic inferentes dixit non requirere instans pro sua verificacione. Et ideo ad illas non sequitur incepicio vel desinio; ut *si fui albus postquam non fui albus*, cum hoc quod si fui albus *fuit ita quod sum albus*, tunc *incepi esse albus*. Et si non potero videre te nisi fuerit ita, *video te tunc si video te*; et: *iam non video te, incipio vel incipiam videre te*; et ita de similibus. Non sic autem intelligitur regula sua quod aliqua proposicio de preterito vel futuro poterit verificari sine instanti: cum talis: *ego ero ita senex sicut ego ero per totam vitam meam*, erit necessaria; sed intellexit quod pro nullo instanti erit ita de presenti, sicud talis affirmativa significat de futuro: et talis significata de presenti intellexit incepionem vel desencionem.

Not that the latter propositions are not true at a certain instant, but that they are only so in the sense of beginning or ending.

III. *Ab absurdo*; eius oppositum; ut probo quod *leo est*, quamvis granting, v. g. that the species nullum senciam, ex hoc quod *falsum est nullum lion exists*, it is absurd to say *leonem esse*; quia, cum species leonis sit perfecta that no individual lion exists. cuius individuum non potest generari nisi per propagationem, *si non est leo, non potest esse leo*; quod

3. quā³ pro quamlibet A; ib. sic *deest* B. 6. *abore* erit, fore AB. 9. *sui above the line* A. 10. de preterito vel *deest* A. 15. *sui* B. 17. *si deest* A. 19. potes AB; ib. *te before nisi deest* A. 20. *videbo* B; ib. *incipiebam* B. 23. *oracio ego* B. 24, 25. *vera* B. 26. significat *deest* A. 29. modo B. 31. *eo* B. 32. *quia deest* B. 33. propter B. 33, 34. per propositionem *struck out*; per propagationem *in marg.* A.

23. The moment of death is here in question. At that moment one cannot say: X is as old as he ever will be, because X exists no longer; but it is true that he 'begins to be' older, or that he 'ends by being' as old.

scitur esse impossibile Ideo cognoscitur esse *necessarium quod sit leo*.

4º modo probatur ex equo; ut ex sua simpliciter IV. *Ex aequo conversa, vel aliter convertibili;* ut per hoc probatur
5 *quod sunt nonnulli homines, quia sunt aliqui homines;*
et *quod animal est homo quia homo est animal.*

1. cognoscitur *deest*; ut *pro esse B.* 2. sic *leo esse cognoscitur B.*
6. et cetera B.

CAPITULUM SEPTIMUM.

Negative particular propositions are proved, like the former. *I. A priori*, by versalem negativam subalternantem, ut, si *nemo currit*,⁵ tunc *homo non currit*, et si *nullum animal est insensibile*, quod *aliquid animal non est insensibile*. Et si obiciatur quod prius naturaliter est *animal non currere* quam *nullum animal currere*, posito quod sic; tum, quia primum est necessarium et 2^m contingens, tum quia¹⁰ eo ipso | quod *nullum animal currit*, *animal non currit*, B^{13b} et non econtra; ideo prius quoad consequiam, et per consequens prius naturaliter est *animal non currere* quam *nullum animal currere*: dicitur quod est naturalis prioritas causacione et non prioritas consequencia inter¹⁵ significatum subalternantis et significatum subalternati; et contra est prioritas naturalis quo ad consequiam: et patet solucio.

Such particular propositions may thus be true, even though implying an absurd supposition; provided that the principal verb does not admit that which is absurd.

Particularis negativa, ut cetere, simpliciter probari poterit. Primo a priori; ut quelibet particularis negativa probanda efficaciter probari potest per suam unitam.

Per istum ergo modum probandi patere potest quod talia particularia negativa particularia sunt vera, quod²⁰ *aliquis homo qui est asinus non est asinus*; *differens ab ente, non est*; *aliqua res volita a chimera non est res volita a chimera*, etc. Omnia enim istarum subalternantes ex quibus sequuntur sunt necessarie; et per consequens ille sunt necessarie. Et si obiciatur quod²⁵ prima implicat falsum, cum negacio subsequens non impedit implicacionem, dicitur quod non, cum sit mere negativa, ratione negacionis principalis verbi; et sic | negacio subsequens impedit implicacionem, eo quod A^{26b}

1. Cap. *deest* AB. 2. *Initial P in blue ink* A; *deest* B. 3. *poterit* B.
 11, 12. *animal — et non deest* A. 15. *et — inter deest* A. 17. *con*^{***} A.
 20. *particularia — quod deest* A. 23. *et est pro* etc.; *ib.* *Oppositum* AB.
 23, 24. *subalt'nan** B. 24. *sequentur* A. 25. *omnes ille* B. 27. *dū q'ð = dum quidem pro* dicitur quod A.

oracio illa truncata non implicaret, nisi virtute affirmacionis cuius foret pars; et talis affirmacio deficit racione negacionis subsequentis. Et si contra secundum obiciatur quod si *differens ab ente non est* et *omnis 5 asinus est ens*, tunc *differens ab asino non est*, cum argumentatur a termino stante mobiliter ad suum singulare cum proporcionato medio; et si *differens ab asino non est*, tunc *nullum differens ab asino*; et per consequens cum *asinus sit*, sequitur *quemlibet esse 10 asinum*: Dicitur quod prima consequencia non stat; videlicet, nec iste terminus *ente* mobiliter, cum negacio subsequens illud impedit, eo quod particularis conver- 15 modo loquendi quod negacio negat, ipsa existente signum actus negandi, certum quod quandocunque hoc verbum *est* predicat 2^m adiacens in particulari negativa, negacio negat subiectum universaliter; sed non per negacionem vel per signum sibi proporcionatum. Unde 20 bene sequitur; *album non est*; *ergo nec hoc album est*, *nec hoc*; et sic de aliis. Et conformiter dicitur verbum substantivum, predicatum 2^m adiacens in particulari affirmativa, mobiliter eius subiectum. Unde sic dicto: *currens est*, eque mobiliter stat hoc subiectum *currens*, 25 sicud in ista universalis; *omne currens est*. Et iuxta illam consideracionem conceditur quod *plures quam infiniti homines non sunt*, et tamen infinitum pauciores quam infiniti homines non sunt; cum tamen falsum sit quod *plures quam quatuor aut mille non sunt*; et sic 30 ad maximum numerum hominum exclusive. Et sic iudicabis de multis similibus, quorum omnium optima probacio est per universalem negativam. | Nota tamen quod multi alii sunt modi probandi talem negativam a priori: ut per hoc probari potest a priori *chimeram* 35 *non esse* quod *non potest esse*, et per hoc *parietem non respirare* quia *non habet pulmonem*; et ita de ceteris.

What is different from Being is not a being, may be attacked thus:

What is different from A is not a being; it follows that everything is A.

But Being cannot here be taken

though the whole subject

is distributed in

this case and

the particular is

equivalent to a

universal.

When is stands

alone for

existence, it is

so; thus A is

not, means:

neither A¹ is,

nor A² is etc.

etc.

We may thus

admit that

more than an

infinite number

of men do not

exist, without

admitting that

more than four

do not exist.

There are many other a priori proofs.

3. con^{**} A. 4. obicias B; *ib.* ens *pro* est A. 6. mot A; mobi^r B.
 9. quodlibet B. 11, 12. vñc stat *pro* stat videlicet nec B; *ib.* ille B; *ib.* mot A.
 12, 13 convertatur B. 13. virtus *pro* verum A. 14. negacio B;
ib. ipsam B. 16. certum est B. 19. propositum *above the line* B.
 21. singulis *pro* aliis B; *ib.* after conformiter, dicitur bene sequitur album
 non est, ergo nec hoc album est, nec hoc struck out A. 22. *predicat* A.
 23. mar^e A. 29. dicunt *pro* aut A; *ib.* ulle = mille A. 34. *after*
 potest, a priori deest B. 35. pietem AB.

II. *A posteriori*, Secundus modus probandi est *a posteriori*, ut inferendo
v. g. by a singular which is included in utendum est arte consimili, sicut dictum est de induc-

it.
Examples. *E*xamples. *C*onclusiones particularis affirmative. Ut, *homo non est papa*, quia *hoc non est papa*, et *hoc est homo*, *igitur* etc. 5 *Homo non fuit ad bellum troyanum*, quia *hoc non fuit ad bellum troyanum*, et *hoc est vel fuit homo*; *igitur*, etc. *Homo non videbit anticristum*: *hoc non videbit anti-*
christum; et *hoc est vel erit homo*. *Aliquod ens non potest fore vel esse per tempus*, quia *hoc instans non* 10 *potest fore vel esse per tempus*, et *hoc instans est aliquod ens vel potest esse aliquod ens*, quamvis non

Note that such posset fore aliquod ens. *C*himera non intelligitur a te, a proposition: *This chimera is quia chimera non intelligitur a te, et ista chimera est not understood in intellectu*. Unde necesse est omne intelligibile intelligi 15

by thee implies that God understands all that is intelligible.

We cannot possibly suppose and at the same time deny our understanding it. *S*ed forte contra illud arguitur inducendo quintum modum probandi proposicionem, qui capcio dicitur.

Here this may be contradicted by bringing forward a fifth sort of proof, called *captio*. *N*am tu intelligis istam proposicionem: *aliquid quod 25 non intelligitur a te est*, cum intelligere potes quod claudit contradiccionem. Intelligis ergo subiectum huius proposicionis; et per consequens eius primarium significatum; et cum solum primarie significat *aliquid quod non intelligitur a te*, sequitur quod tu intelligis *aliquid 30 quod non intelligitur a te*. Sic enim probatur quod tu scis aliquam proposicionem esse veram quam non scis esse veram, capiendo talem proposicionem scitam a te: *aliqua proposicio est vera quam non scis esse veram*.

If we understand the fact that a given proposition is self-contradictory, we do understand it. So we may know that a proposition is true that we do not know to be true. *S*ed dicitur quod conclusio intenta est impossibilis. Et A 27 conceditur bene quod intelligis datam proposicionem, sicut et omne quod potest intelligi, intelligendo hoc,

5. *igitur* etc. *deest* B. 8. etc. *deest* B. 8, 9. *hoc — et hoc deest* A. 9. *instans pro ens* B. 10. *pc^o* A; *P^{ts}* B. 12, 13. *quod si non potest formaliter aliquod pro quamvis — aliquod A.* 13. *instans pro ens* B. 15. *est intellecta* B. 16, 17. *qj ad qd inter nō nē* B. 17. *poß* B. 18. *n̄l qj* B; ib. *nihil intelligitur quam A.* 23. *hoc B.* 24. *quia pro qui A.*

transcendens ens; et sic intelligis eius subiectum. Sed non intelligis quid vel quod illud subiectum primarie significat; sicut nec deus. Non enim primarie significat aliquid quod non intelligis; nec est dare quid primarie significat, sicud nec dare est quid significat ille terminus,

*non significat primarie. Ymmo, posito quod multa sunt que ego non intelligo, sicud est possibile me non existente vel non intelligente, adhuc non magis primarie significat ille terminus *aliquid quod non intelligo*, aliquid quod non intelligo, quia pari evidencia qua alteri sic significaret hoc, significaret hoc et mihi; et sequeretur conclusio. Ymmo breviter, ille terminus, *aliquid quod non video*, non principaliter significat aliquid quod non video; nec iste terminus, *nichil*, significat primarie nichil, aut iste terminus *non homo* non hominem; et sic de similibus quibuscumque. Sed multa secundarie significant tales termini, ratione suarum parcium. Et*

*15 sic ille terminus, *asinus*, et multi similes significant in casu aliquid quod non intelligo, posito quod non intelligam asinum aut tale primarie significatum per*

*B 14^b terminum illum assignatum. Unde sequitur: *iste terminus primarie significat naturam asinianam, et illam non intelligo; ergo primarie significat aliquid quod non intelligo.* Et ille terminus: *aliquid quod non intelligo*, non solum significat aliquid quod non intelligo, ymmo omne quod ego intelligo, sicut ille terminus *nichil* significat omne ens; et quilibet talis terminus, infinitus. Nec sequitur: *ista proposicio primarie significat quod aliquid quod non intelligis est; ergo, pars eius significat primarie aliquid**

30 quod non intelligis; significatum enim propositionis intelligis, sed non aliquid quod non intelligis.

*Aliter enim dicit sophista quod ipse satis intelligit quid iste terminus primarie significat *aliquid quod non potest intelligi*, quia intelligit quod primarie significat chimera, quidlibet, vel aliud dandum. Et non sequitur ultimo quod tota illa proposicio significat primarie, scilicet: *aliquid quod non potest intelligi potest intelligi*, quod chimera non potest intelligi. Non enim sequitur, *intelligo quod A significat hoc: ergo, A significat hoc*,*

40 cum intelligo omnia que non possunt esse; non tamen

4, 5. primarie Bt ite l's B. 5. significat before ille deest B. 8. nichil pro non B. 15. non homo A. 22. nam A; ib. ite A. 26. iste B.
29. intellegitur B. 32. diceret B; ib. satis bene B. 34. q'a A.
35. vel quidlibet B.

cognosco vel scio quid ille terminus principaliter significat. Ulterius dicitur quod modus probandi per capcionem that *captio* is a proof *a posteriori*; me scire illam propositionem: *aliqua proposicio est vera quam nescio esse veram sic significantem*, quam 5 meaning given to the word ‘understand’ is posterior to the first one. est modus probandi a posteriori; nam posterius est me scire aliquam propositionem esse veram quam nescio esse veram. Ideo ille modus probandi, sicut quilibet alius significabilis, continetur sub aliquo predictorum. Et tanta dixerim ut promisi de probacione simplici kategorice *de inesse*.

10

1. quod B. 3. a posteriori est modus probandi per capcionem B.
8. signabilis B. 9. simplicis B.

TRACTATUS SECUNDUS.

CAPITULUM OCTAVUM.

Secundarie, superius principaliter est promissum de exclusivis, exceptivis et aliis que non sorciuntur universalitatem, quantitatem, et cetera accidentia simplicis et pure kategorice, pertractandum. Ipsa enim, quasi media inter kategoricas et ypoteticas, excludunt et includunt proprietates et accidentia utriusque. Dici tamen possunt kategorice modo suo.

Et primo, vel gracia dicendorum, exponendi sunt isti duo termini *differ* et *aliud*. Iste enim terminus *differ* conceditur a famosis logicis mobilitare terminum per negacionem inclusam; sed certe nescio hoc fundare. Non enim video quin concedi debeat quod *homo differ ab homine*, sed non *ab omni homine*; sicut homo diversificatur, distat et discrepat ab homine, sed non ab omni homine. Supposita tamen famosa sentencia sophistarum A 27^b quod *differre* | importans alietatem, dicat differentiam inter significatum subiecti et quocunque significatum predicati in proposicione affirmativa; tunc dicitur 20 habere tres exponentes: duas affirmativas, in quibus subiectum et predicatum proposicionis exponende, vel

We may now examine those propositions which are neither purely categorical nor hypothetical, yet belong rather to the former class.

1. Cap. *deest*. 2. *Initial S in red with tracery of lilac ink A; deest B. 3, 4. vi^{ce} pro universalitatem A. 4. quantitates B. 9. u. AB. 11. a famosis logicis above the line A; deest B. 13. q'n A. 14. sicut homo in marg. A. 17. differ above A; ib. imptans AB. 18. subiectum — significatum above the line A.*

16. There is here a marginal note at the bottom of the page (in A): *sophistarum inexpertorum logicorum*, which may guide us in determining the sense in which it is used in this work. But it is not used so throughout. Sometimes it merely signifies *dialectician*; sometimes it is even employed with approbation; often it is taken to mean any one who opposes Wyclif's views with embarrassing arguments: most philosophers use it in this sense even at the present day.

First those that imply difference or otherness.

Some say that to differ from renders the following term universal; but if it does not follow, if a man differs from a man, that he differs from every man.

Such a proposition has three exponents: two affirmative, asserting the existence of the subject and the predicate, and

one negative, denying the subject to be the predicate; the tenses of each to agree with that of the principal proposition.

Formula.

A differs from B; i. e., A is, and B is, and A is not B; with proportionate changes for the past and the future.

saltem termini illis synonimi, subiciuntur verbo substantivo predicante secundum ad iacens, et terciam negativam, in qua unus talium terminorum removebitur a reliquo. Et est pro regula observandum quod omnium trium exponencium terminorum illorum, *differit et aliud*,⁵ verba erunt conformis temporis cum verbo principali propositionis principaliter exponende. Verbi gracia, *tu differs ab asino, tu differebas ab asino, tu differes ab asino*, debent per ordinem sic exponi: *tu es et asinus est et tu non es asinus: ergo, tu differs ab asino: tu eris et asinus erit tecum, et tu non eris asinus; ergo, tu differes ab asino.* Et addo illum terminum, *tecum*, ad denotandum simultaneitatem essendi in tempore; quia hoc ad differentiam oportet et alietatem; *tu eras et asinus erat tecum et tu non eras asinus; ergo tu differebas ab asino.* Et conformiter exponitur iste terminus, *aliud*.

Several conclusions to be drawn hence.

1. No man can differ from man in general, only from some particular man.

2. The difference between *A* and *B* or *C* is not that between the same *A* and *B* and *C* taken together.

3. To differ from everything that is does not imply difference from anything or everything that can be.

4. No man can differ from every man past, present or future.

Ex ipsis patent tales conclusiones: *Sor qui differt ab omni homine non differt ab homine, quamvis differat ab homine centum annorum.* Ponatur quod *Sor* sit decennis,²⁰ et patet iuxta exponentes quod *Sor differt ab omni homine*, sicut quilibet differt a quolibet; et per exponentes patet eciam quod *Sor non differt ab homine* sicut nichil differt ab aliquo. Et tercia particula patet per exponentes, posito quod homo centum annorum sit.²⁵

Secunda conclusio est talis: *Sor differens a muliere et viro non differt a muliere vel viro*, sicud *Sor* differens ab asino vel chimera non differt ab asino et chimera: quilibet particula patet per exponentes, posito quod *Sor* sit.³⁰

Tertia conclusio est, *Sor differens ab omni quod est, non differt ab aliquo quod potest esse, nec ab omni quod potest esse.* Illud per hoc patet, quia si differt ab aliquo quod potest esse, tunc non est aliquid quod potest esse, et si differt ab omni quod potest esse,³⁵ tunc omne quod potest esse est: quorum utrumque est falsum.

Quarta conclusio, *ab omni homine differt homo*, sicud omnis homo differt ab omni homine, sed nemo differt

3. removetur *B.*

6. principali *deest A.*

7. ista tria dum *B.*

10. 2^a sic *B.*

13. similitate *A.*

19. *omni above the line A.*

20. 1. 20 an in marg. *A.*

14. Tercia sic *B.*

24. p^{la} *B.*

33. quod *B.*

25. posito *deest B.*

ab omni quod est, fuit vel erit homo. Prima particula patet ex hoc, quia convertibilis est cum illa: *ab omni homine homo differt*, sicud patet racione congruitatis; et secunda particula patet per exponentes; et tercua 5 particula patet per hoc quod, si homo differt ab omni quod est, fuit vel erit homo, tunc est omne quod est, fuit, vel erit homo: quod est falsum.

Quinta conclusio: *Omnis homo ab homine differt*, sed nemo ab omni homine differt. Prima pars patet ex VII 10 regula et sexta tractatus primi; nam *hoc ab homine differt*, quoconque demonstrato: sequitur enim *hoc ab isto homine differt*; ergo *hoc ab homine differt*. Et 2^a particula patet per hoc quod, si homo differt ab omni homine, tunc differt a se ipso.

B 15^b Sexta conclusio est: *Sor differet | ab asino, sed non omnis asinus differet ab illo*. Prima pars patet ex hoc 6. A man may differ from an ass, but not every ass will differ from him; for if he differs at a given instant, every ass, differing from him, there would be a certain identity in this difference. 7. A man, differing from every man would not differ from every man past, present and future. 8. A man may differ from what is white, and yet never come to differ, nor be able to differ from what is white.

quod *Sor aliquando differet ab asino*, quia in medio instanti crastine diei; et 2^a pars patet per hoc quod tunc non est vel erit asinus quin differet a Sor. Et 20 per consequens simul erit cum illo.

Septima conclusio: *Sor differret ab omni homine*, et tamen non differret ab omni homine qui vel que erit, nec ab omni homine iam existente, nec ab omni homine preterito, posito quod Sor non sit, sed quod erit tunc. 25 Patet 2^a pars per hoc quod in nullo instanti differret ab omni homine qui, vel que, erit, eo quod tunc in illo instanti foret omnis homo qui erit.

Octava conclusio: *Sor differret ab albo et tameu nec differens ab albo unquam erit Sor, nec differens ab albo potest esse Sor*. Posito quod aliquando erit ita quod 30 Sortes | differet ab albo, tunc patet prima pars; et secunda pars patet, posito quod *Sor postmodum erit albus*; nam si differens ab albo erit Sor, tunc differens ab illo quod est album vel erit album erit Sor; quod 35 est contra casum. Et per idem, si differens ab albo potest esse Sor, tunc differens ab illo quod potest esse

1. est vel fuit A. 2. illa quia convertibilis est cum illa B. 6. homo deest A. 9. pars above the line A. 10. proximi B; homo; corr. above hoc A. 12. homo ab A. 15. est deest B. 22. qui fuit A; ib. hec B. 25, 27. differet — foret in marg. A. 26. vel que deest B. 31. for^a A. 34. vel — album in marg. A.

15—36. These three last conclusions remind one curiously of Hegel's doctrine of difference and identity.

album potest esse Sors. Ex quo patet quod non sequitur: illud quod est differens ab albo erit Sor, et illud quod erit differens ab albo erit Sor; ergo differens ab albo erit Sor. Nec sequitur illud: quod potest esse differens ab albo potest esse Sor; ergo, differens ab albo potest esse Sor. Sed tales erunt propositiones inferentes: hoc potest esse Sor, et hoc est vel potest esse differens ab illo quod est album, vel potest esse album, ergo, differens ab albo potest esse Sor. Et sic de similibus.

The reason is
that in the
future or past
tense, the term
white becomes
means *all that*
is white; which
may render the
proposition
false.

The idea of
difference bears
only on the
supposition, the
that which;

as when it is
said: *That*
which is other
than true will
be true;

yet it may
happen that the
word *different*
is employed as
a noun, and
the proposition
has then a more
restricted sense.

Cuius racio est talis: Quandocunque terminus communis to
subiectus distribuitur respectu verbi de preterito vel
futuro, tunc distribuitur pro quocunque tempore conno-
distributive, and tato per verbum, eo quod, ipso supponente sic distri-
butive, supponeret pro quocunque tali tempore disiuncte;
ut sic, dicendo *omnis homo erit*, pro omni homine ¹⁵
futuro in aliquo tempore fit distribucio; sicud patet
per eius exponentes. Ideo, sic dicendo: *differens ab*
albo erit Sor, stat ille terminus *albo* distributive pro
omni quod est album, vel erit album. Ideo est propo-
sicio in casu falsa, nam nec *illud quod est differens ab* ²⁰
illo quod est album vel erit album erit Sor, nec *illud*
quod erit differens ab illo quod est album vel erit album
erit Sor. Et si sic inferatur, *hoc erit Sor*, et *hoc est*
differens ab albo; *ergo differens ab albo erit Sor*, certum
est quod uniatur supposicio illius termini, *albo*, in ²⁵
antecedente et consequente. Ideo non sequitur; sed
bene sequitur quod *illud quod est differens ab albo erit*
Sor. Et conformiter dicendum est ad talia sophismata,
aliud a vero erit verum. Et si dicatur quod ille terminus,
albo, restringitur ibi ad supponendum pro presentibus, ³⁰
ratione huius participii *differens*, de presenti, cum idem
sit dicere *differens ab albo erit Sor*, et *quod differt ab*
albo erit Sor, dicitur quod hoc bene contingit; et con-
tingit illum terminum, *differens*, stare nominaliter per
temporis amissionem. Verumtamen quocunque modo ³⁵
dicatur, conclusio est possibilis; quia posito quod *Sor*
iam non sit | sed *erit* tam *albus* quam *differens ab* ⁴⁰
albo, patet conclusio, tenendo istum terminum *differens*

13. sic supponente et B. 13, 14. *d^{fn}e* B. 14. supponum A;
ib. *d^{fn}e* B. 18. *d^{fn}e* B. 20. *ut pro* nec B. 20, 21. nec — erit sor
deest B. 23. quod hoc B; ib. est vel erit B. 25. ^{uniatur?} AB
27. sic *pro* bene B; ib. est vel erit B. 33. *illud* B. 34. nomine B.

particulariter. Prima enim proposicio ponitur in casu, et alie particule patent per hoc quod *Sor non est*: si enim *Sor non est*, nichil quod differt ab albo est vel potest esse *Sor*.

5 Alie sunt multe conclusiones consimiles in ista materia; sed istic octo cognitis, satis facile est elicere alias, tam cum illo termino *differt*, quam cum illo termino *aliud*; quia similes sunt in confundendo terminos. Ut: *Sor erit aliud ab albo*, et tamen *non aliud ab albo erit Sor*; sed talis erit sua conversa quod erit: *aliud ab albo erit Sor*. Ut posito quod *Sor* iam sit albus et, in instanti erit niger et postmodum albus, tunc patet prima pars; quia in B instanti erit ita quod *Sor est aliud ab albo*; ideo *Sor erit aliud ab albo*. Et 15 secunda pars patet ex dictis. Nam, si *aliud ab albo erit Sor*, tunc *aliud quam est album vel erit album erit Sor*; quod est contra casum.

Et hic mihi videtur quod idem est dicere, *Sor erit aliud quam album et Sor erit aliud quam album erit*, 20 cum oratio sit truncata, et isto modo est supplenda.

Ideo aliud est dicere: *Sor erit aliud ab albo*, quam dicere: *Sor erit aliud quam album*; sed cum verbis de presenti non refert; ut idem est dicere: *Sor est aliud ab albo et aliud quam album vel quam est album*; quod 25 est idem. Possibile est tamen quod *Sor erit aliud quam album*, posito quod nunc sit niger; et sic continue erit per totam vitam suam; quo posito, concedo quod *omne album erit aliud quam Sor*, quamvis infinitorum

A 28^b alborum nullum erit aliud a Sorte. | Et sic *Sor* in quo-
30 libet instanti esse sui erit aliud quam album, sicud in quolibet tali instanti erit ita quod *Sor est aliud quam album*. Unde, nunc *Sor est aliud quam album erit*, quantumcunque remotum ab hoc instanti; sicut patet per exponentes. *Ego enim sum aliud quam erit asinus*
35 qui mille annis generabitur, postquam ego desivero esse; et tamen non sum solum aliud ab illo vel aliud quam ille. Et si queratur inter que est illa alietas quam proposicio implicat esse, dicitur quod inter me et futurionem asini illius, quorum utrumque est. Sed ex

Like conclusions may be drawn from the term other.
A, v. g. will be other than white, yet that which is other than white will not be A.

Disquisition on the difference between *aliud ab* and *aliud quam*; there is none when the verb is in the present; otherwise there may be, on account of the verb understood after *quam*. Supposing a man, once white, to be black and continuing so, we could say: *album erit aliud quam Sor (est vel erit)*, but not *aliud a Sorte*; because this form comprises the past.

Other examples.

1. *ppt' B*; *ib. p̄3 B*. 2. *p̄tent A*. 1—3. proposicio — differt in marg. A. 11. est vel erit B. 12. erit albus B. 14. igitur B. 19. et sor — album erit deest A. 20. et sic cum A; *ib. ideo pro isto modo A*.
26. continue deest B. 32. nūc above line A. 35. desinc'o AB.
39. fuacionem, crossed out, futurionem in marg. A.

hoc non sequitur *quod ego ero aliud quam ego sum*, quamvis *me esse et me fore* differunt; sed bene sequitur *quod ego ero alter quam nunc sum, et alterius modi*.

Aliud therefore expresses substantial difference of kind, *alterum*, difference of quality, and *alterius modi* of manner. Many fallacies arise from not keeping these ideas distinct.

Without going into the other forms of proof, the author notes the mistake of those who make propositions signifying that which is not, to signify otherwise than it is.

If we admit the threefold sense of *being*, we may even grant that they signify their object otherwise than it actually is; not otherwise than it is intelligibly.

Unde differencia est inter istos tres terminos, *aliud*, *alterum* et *alterius modi*; ex hoc quod primus dicit diversitatem substancialis specificam, et secundus dicit diversitatem in qualitatibus, et tertius dicit universaliter diversitatem in quocunque accidente: et ideo concedunt sophiste quod aliquis potest esse *alterum* quam prius fuit, sed non *aliud*. Si enim Sor erit aliqualis, et nunc non sit talis: tunc erit alter quam est modo; et sic si Sor sit nunc alicuiusmodi, et huiusmodi non erit, tunc est alicuiusmodi, cuiusmodi aliquando non erit.

De aliis autem modis probandi propositiones de talibus terminis, *aliud*, *alter*, et *aliter* et *sic*, satis dictum est in priori tractatu. Sed hic notandum quod concedentes propositionem significare aliter quam est, et *istam chimera* significare aliam *chimera* quam *istam* (et *sic de ceteris*), | abutuntur terminis, habentes B 16^b istos terminos, *aliter quam est*, *aliud quam est*, et ceteros, convertibiles cum istis terminis negativis, *qualiter non est*, *quod non est* etc. Et per idem haberent istos terminos, *aliter quam sedens*, *aliud quam lapis*, et ceteros terminos similes convertibles cum istis terminis negativis, *qualiter non est sedens*, *quod non est lapis*, et ita quodlibet foret *aliud quam chimera*, vel quocunque *quod non est*. Proposicio ergo significat *sicut non est*, vel *ens quod non est*; et iste propositiones non inferunt tale significatum esse *quod non est*, ratione terminorum negativorum. Sed sufficit quod proposicio 30

significet *illa*, et *quod illa non sunt*. Si autem placeret equivocare istum terminum *esse* ad 3^a esse superius memorata, tunc concedendum esset quod iste terminus, *chimera*, significat aliud quam actualiter est et est; ista proposicio, *chimera est*, significat aliter quam actualiter 35 est, quia chimera est aliud quam actualiter; et *chimeram esse*, est aliter quam *actualiter esse*, quia utrumque habet *esse* intellectuale, solummodo *sic*, *quod nec esse* potenciale *nec esse* actuale; et tanta dixerim de expositione 40 istorum terminorum, *aliud*, *aliter*, et *alter*.

6. *specificam deest* B. 13. *tunc iam est* B. 15. *et sic deest* B.
16. *in deest* B. 18. *chimeram before quam deest* B. 26. *quilibet,*
corr. above the line A. 31. *sunt* B.

Sed alii sunt termini qui dicuntur negacionem includere ut *sine*, *ne*, *prohibere*, *cavere*, etc.; ut, si *homo* *cavet casum*, tunc *omnem casum cavet*; si *Sor* *prohibet vel inhibet furtum*, tunc *omne furtum prohibet*. Si *curro*, *ne tangar ab homine*, tunc *curro ut a nullo homine tangar*. Et de isto ultimo, scilicet, *ne*, est verisimile, quamvis de aliis possit oppositum probabiliter sustineri. Scilicet, si *deus prohibet ne fiat furtum*, tunc *omne furtum prohibet fieri*; sed *homo posset prohibere furtum et recipere furtum*, et sic *cavere tactum et appetere tactum*; sed non *cavere ne tangatur*. Et sic de *sine*; ut si *sine oculo possum videre*, tunc *sine isto (quocunque demonstrato) possum videre*.

As for the terms, without
lest, forbid,
beware, etc.
test alone
probably
renders the following term
universally
negative; for
the others it is
doubtful.

5. ne pro ut corr.; a n^o in marg. A.
deest B. 8. neī A. 13. etc. B.

6. s. ne above the line A;

CAPITULUM NONUM

There can be as many kinds of categorical propositions; logicians agree to call only those exclusive that are modified by an exclusive particle.

In expounding them, the place of the exclusive particle is very much to be considered. When *tantum*, etc., precedes the subject, the first exponent must be a prejacent, and the second a universal proposition with the same predicate, a contradictory subject, and a verb of different quality; by *prejacent* is meant, the proposition without the exclusive particle. Only *A* is *B*, i.e., *A* is *B*, and what is not *A* is not *B*.

Sequitur de exposicione exclusivarum. Ubi primo notandum quod quamvis verbaliter quelibet proposicio que quicquam excludit vel excipit vocari poterit exclusiva, verumtamen apud logicos solum | proposicio A 29^a kategorica participans exclusive termino dicitur exclusiva. Et voco terminos exclusivos *solum*, *tantum*, *solummodo*, *precise*, *precipue*, *duntaxat*, et eis consimiles. Ex quo patet quod tot possunt esse species proposicionem exclusivarum quot et kategoriarum: et alia est exclusiva 10 affirmativa, et alia negativa, alia universalis, alia particularis, alia indefinita et aliqua singularis etc.

Sed pro exposicionibus exclusivarum est cum diligencia observandum quod quecunque exclusiva, ratione termini exclusivi exponenda, exponi debet secundum 15 exigiam ordinis termini exclusivi; ut aliter ista debet exponi, *homo tantum est animal*, et aliter ista, *tantum homo est animal*. Unde, generaliter loquendo, quelibet exclusiva in qua terminus exclusivus tenet primum ordinem, exponi debet per eius | preiacentem et uni- B 17^a

versalem de subiecto et qualitate oppositis subiecto et qualitatibus ipsius preiacentis; ut ista: *tantum homo currit*, debet sic exponi: *homo currit et nichil quod non est homo currit, ergo* etc. Prima enim exponens est preiacens exclusive; quia cuiuslibet exclusive vel exceptive 25 preiacens vocatur totum quod remanet, dempto termino exclusivo vel exceptivo: ut, dempto isto termino *tantum* de ista proposicione exclusiva, *tantum homo currit*, remanet hec immediata, *homo currit*, que est eius preiacens et prima eius exponens. Secunda eius 30

1. Cap. *deest* AB. 2. Initial S in blue ink A; *deest* B. 7. *tantum modo* B. 10. et after *quot deest* B; ib. *ut pro et before* alia B; ib. sic *pro* est A. 12. et aliqua singularis *deest* A; ib. etc. *deest* B. 13. *exponentibus* B. 17. hoc B. 18. hoc B. 27. cum parte extra capta ut B. 29. *intra* A. 30. suum A.

exponens habet istum terminum infinitum, *quod non est homo*, pro suo subiecto. Et ille opponitur huic termino, *homo*, qui subicitur in preiacente et virtute negacionis precedentis est proposicio negativa, cum 5 preiacens sit affirmativa.

Nec debet proposicio exclusiva universaliter exponi per talem terminum, *aliud*, quia impossibile est quod tantum hoc instans erit instans, et tamen hoc instans erit instans, et nichil aliud ab hoc instanti erit instans. Ideo 10 regularius dicitur non quod non erit hoc instans erit instans; potest enim dari talis minor exponens: nichil aliud quam est vel erit hoc instans erit hoc instans; quod est falsum. Similiter, posito quod proposicio incipiat esse per rempcionem de presenti, et B proposicio incipiat esse de preterito per rempcionem de presenti, et quod nulla proposicio incipiat esse nisi A vel B, patet quod falsum est quod tantum A incipit esse proposicio et tamen nichil aliud quam A incipit esse proposicio. Ponatur enim quod A desinat esse proposicio; hoc tamen est falsum: non quod non est A incipit esse proposicio. Similiter ista proposicio est falsa: tantum illa chimera significatur per istum terminum, "chimera", et tamen illa et nulla alia significatur per istum terminum "chimera"; et sic de infinitis aliis 25 exemplis. Regulariter ergo et universaliter loquendo videtur mihi expedicior exposicio supradicta.

Diversitas tamen accidit in sic exponendo, ratione signi, ratione subiecti, et ratione predicati. Racione signi et subiecti secundum diversitatem suorum accidentium; ut quandoque ratione generis, sicut patet hic, solus homo est animal rationale masculum; ista enim debet sic exponi, homo masculus est animal rationale masculum, et non quod non est homo masculus est animal rationale masculum. Et ex hoc sequitur, iuxta 35 regulas traditas in consequenciis, quod solum homo est animal rationale masculum, sed non sequitur universaliter

This general rule is liable to variations.
1. As the sign and subject may vary in gender.

Examples.

8. hoc in after tamen B. 9. hoc in B; ib. erit in B. 10. erit in pro hoc B; ib. erit in after instans B. 11. tamen pro enim B. 12. erit in after vel erit B; ib. erit in instans pro erit hoc instans B. 15. de preterito deest B. 16. li pro nisi B. 17. incipiat B. 18. incipiat B. 19. definit A. 21. proposicione after ista B; ib. est deest B. 2). after supradicta, m 6^{am} A. 31. rationale above the line A; ib. ita pro ista B.

6. The MS. is written in another hand, from the word nec.

in similibus e converso: ut non sequitur; *solum homo est animal rationale; ergo, solus homo est animal rationale*, cum antecedens sit necessarium et consequens impossibile. Si tamen subiectum fuerit unius generis tantum, tunc non refert; ut idem est dicere: *solum Sor est homo*, et *solus Sor est homo*, et easdem exponentes habebit ¹ utraque, puta tales, *Sor est homo, et non quod non est Sor est homo*, etc. Unde tales exponentes, *Sor est homo, et non aliquis homo qui non est Sor est homo* exponunt talem exclusivam: *tantum Sor est homo* ¹⁰ *masculus*. A 29^b

2. As the subject may happen to express number or quantity; it then may be expounded, according to the sense, by more or by other than. Only 4 A's are B; i. e. 4 A's are B, and no more than 4 A's are B. Or: no other than 4 A's are B. This latter way is for the most part inappropriate, but may sometimes be right.

3. As the verb and predicate may vary, v. g. in tense or by other modal terms; the rule to be followed is as above, for universal affirmative propositions.

2º ratione subiecti numeralis quantitatis vel mensure, accidit diversitas exponenti: ut illa: *tantum quatuor homines currunt*, debet sic exponi, gracia pluralitatis, *4or homines currunt, et non que sunt plura quam quatuor homines currunt*. Iste enim terminus, *plura quam 4or*, opponitur quodammodo huic termino, *4or*. Et hoc est quod antiquitus solet dici, quod quelibet exclusiva affirmativa, cuius subiectum est terminus numeralis, potest exponi gracia alietatis; et sic erit quelibet talis 20 impossibilis; vel gracia pluralitatis; et sic contingit aliquam huiusmodi esse veram. Et simile iudicium est de talibus, *tantum pedale est hoc, tantum per horam durasti, tantum unum denarium dedisti, tantum A gradu est hoc frigidum, calidum vel potens*; et sic de similibus, 25 que omnia possunt exponi gracia pluralitatis vel gracia alietatis, quamvis in aliquibus unus sensus communicatur cum alio; ut in propositionibus in quibus predicanter verba substantiva. Ut hic; *si tantum pedale est hoc, tunc non plus quam pedale est hoc*; bipedale enim non 30 est pedale. Ista tamen significacio plus favore admittitur quam virtute sermonis.

3º ratione verbi vel predicti contingit diversitas exponenti; ut aliter capienda est minor cum verbo de preterito vel futuro, et aliter cum verbo de presenti, et 35 aliter cum verbo ampliativo, et aliter cum verbo non ampliativo: cuius diversitatem potes cognoscere ex doctrina quam dedi de exponentibus universalis affirmative; ut: *si tantum Sor fuit sacerdos, tunc sacerdos*

I. i. insilibus AB; ^{utraq} ib. e9º A; ^{utraq} ib. eius contra pro e converso B.
7. illarum B. 8. ergo etc. B. 9. et non est A. 23. pole B.
24. ag^{eo} pro A gradu A. 25. potus A. 29. tantum deest B.
30. h³ pro hoc B. 31. enim B; ib. favori B.

fuit Sor, et non quod non est vel fuit sacerdos; et econtra. Si tantum logicus fuit iste homo, tunc logicus erit iste homo et non quod non est vel erit logicus erit iste homo; et econtra. Si tantum malus homo potest esse filius tuus; tunc malus homo potest esse filius tuus, et non quod non potest esse malus homo potest esse filius tuus, et econtra. Et sic de aliis quibuscumque similibus.

Alii autem dicunt quod iste propositiones, *tantum Sor movetur, tantum Sor fecit istum actum, etc.*, possunt exponi ratione tocius compositionis limitantis, gracia materie; vel communiter, ut alie, gracia forme. Unde debet prima sic exponi, gracia materie: *Sor movetur et nichil aliud a Sorte, vel per tempus Sortis, movetur;* quod non formaliter includit repugnanciam. Secunda sic exponitur, gracia materie: *Sor fecit istum actum et nullum aliud individuum speciei humane fecit istum actum;* quod est possibile cum hoc | quod deus fecit istum actum. Sed videtur michi quod isti sensus sunt preter vim sermonis, et per idem, ratione materie, possent imponi quantumlibet impossibilibus propositionibus sensus veri. Ideo expedit exprimere materiam intentam, ut sic: *solum Sor vel eius pars movetur, solum Sor fuit homo faciens istum actum;* et sic de aliis. Et aliter negande sunt tanquam propositiones truncate.

Some assert that certain propositions can be expounded by reason of the subject matter, excluding in the minor all that is excepted by the particle. Examples.

B 18* 25 Unde potest pro regula sustineri quod quelibet huiusmodi affirmativa exclusiva de presenti, cuius predicati primarium significatum non poterit inesse primario significato subiecti, nisi cum hoc quod insit alicui quod non sit significatum primarium huiusmodi, est impossibilis; ut patet de talibus: *solum Sor est album, solum deus intelligitur, solum omnis homo est animal,* et universaliter quelibet talis de subiecto distributo pro multis vel pro unico respectu predicati communioris, ut hic; *solum omnis deus est aliquid, solum omnis homo est animal.* Et patet racio ex hoc, quia secunda exponens negativa repugnat prime exponenti affirmative; et, ut

But Wyclif considers that this would be changing the sense of the propositions too much.

As a rule, if what is primarily implied by the predicate cannot primarily belong to the subject without belonging to something else, the proposition is impossible.

1. t. s. f. sor B; *ib.* fuit sor B. 2. laycus B; *ib.* erit B; *ib.* laycus B.
3. laicus B; *ib.* et sic B. 4. erit et B. 5—7. ct — tuus deest A. 7. quodlibet (!) B. 13. parte sor B; *ib.* pte^{as} A. 17. est deest B. 25, 26. moi huius B. 28. hoc insit; quod deest B. 29. primarium deest B.

17. This restriction (speciei humane) and the subsequent remark, must refer to the doctrine of Divine concourse in every act of every creature.

breviter dicam, correspondens diversitas contingit in exclusiva affirmativa, ratione extremi compositi ex recto et obliquo, vel extremis copulatis disiunctis, vel alio modo compositis; qualis declarata est contingere in universalis affirmativa. Et istam diversitatem poterit 5 solers logicus eligere ex predictis.

Examples of other variations arising from differences of gender, of tense, or of both together.

Quarto, contingit diversitatem accidere, ymmo quandoque mixtim contingit diversitatem accidere, ut patet in talibus: *solus homo qui non est est corruptus;* | *solus vir qui non est est generandus de specie humana;* A 30^a *tantum fenix qui non est potest esse in specie fenicis etc.* Prima istarum est impossibilis, et secunde sunt vere in casu quo *vir sit generandus et non mulier* et in casu quo *nulla fenix sit sed erit.* Et sic sunt talia vera: *tantum fur erit socius tuus;* *tantum verum incipit esse 15* *hec proposicio:* “*hoc instans est*”; et tamen illud quod est aliud quam *fur* et *quod erit aliud quam fur erit socius tuus,* et *quod incipit esse aliud quam verum incipit esse 20* *hec proposicio.*

In the case of negative propositions, the minor by which they are expounded is to be a double negative, equivalent to a universal affirmative: Only *A is not B;* i. e. *A is not B, and no not A is not B,* or every *not-A is B;* for this reason such negatives have been called pregnant, because they imply affirmation. In affirmatives of this sort the predicate is affirmed of this subject and denied of every other; whereas in negatives, the contrary takes place.

Ulterius pro exponentibus exclusive negative est no-20 tandem, primum, quod prima exponens erit preiacens negativa, et secunda erit universalis affirmativa, de subiecto aggregato ex transcendentе et termino opposito subiecto preiacentis. Ut ista: *tantum homo non currit* habet sic exponi, *homo non currit, et non quod non est 25* *homo non currit,* ut patet ex secunda regula huius capituli. Et quia tales equipollent universalи affirmatiue, ideo pro planiori exposicione ponitur loco illius talis affirmativa; *omne quod est non homo currit.* Et hinc est quod logici antiquitus vocaverunt exclusivas nega-30 tivas et exceptivas negativas, non mere negativas sed negativas pregnantes, includentes affirmaciones; | et B 18^b quod, sicut in exclusiva affirmativa predicatum attribuitur subiecto, et removetur a quocunque alio opposito a subiecto, sic in exclusiva negativa predicatum 35 removetur a subiecto et attribuitur cuicunque opposito subiecti; et est utraque sentencia valde bona. Nam sic dicto: *tantum homo currit,* denotatur cursus inesse homini, et removeri a quocunque quod non est homo.

10. est only once B. 15. vey pro verum A. 21. primum above the line A;
deest B. 22. negative A. 28. locus B. 32. pgnates B; ib. pgnan^a A;
includentes above the line A; deest B. 38. dico A; f non dicto B.
39. est non B.

Sed sic dicto: *tantum homo non currit*, implicatur cursum removeri ab homine, et attribui cuilibet quod est non homo. Et ex hoc patet quod quelibet huiusmodi exclusiva negativa de subiecto positivo, cuius totale predicatum non est transcendens, est impossibilis, sicut quelibet talis, cuius predicatum est transcendens et primarie significatum subiecti non potest esse, est necessaria. Exemplum prime partis: hec sunt impossibilia, *tantum homo non currit*, *tantum chimera non videt*. Et hec sunt necessaria, *tantum chimera non est*, *tantum corruptum non est*, etc., sicud patet ex suis exponentibus.

Et cavendum est de assignacionibus exponencium talium exclusivarum, sicut dictum est de exposicionibus exclusivarum affirmativarum, ratione signi, ratione subiecti, ratione verbi, et ratione predicati.

Racione signi; ut hic: *solus homo non differt ab homine masculo*: cuius preiacens erit talis, *homo non differt ab homine masculo*, propter restriccionem adiectivi.

Racione subiecti, ut hic: *tantum quatuor chimere non sunt*, que debet sic exponi: *quatuor chimere non sunt*, et *omnia plura quatuor chimeris sunt*: vel, si dicatur quod exposicio gracia pluralitatis est preter vim vocis, cum excludit numerum maiorem et non minorem, dici

potest universaliter loquendo quod capiendus est terminus infinitus appositus subiecto preiacentis, ut exemplatum est in aliis. Ut sic: *omnia non 4^{or} chimere sunt*; et sic quelibet talis exclusiva de huiusmodi subiecto numerali esset necessaria ratione verbi. Nec hic: *tantum chimera non potest esse*, que sic debet exponi, *chimera non potest esse*, et *quodlibet non chimera potest esse*. Unde, exponentes talem negativam per istum terminum, *aliud*, dicunt omnem talem esse impossibilem, quam nos dicimus esse necessariam. Ymmo, dicunt quod impossibile est quod *tantum non ens non est*, cum tamen *omne quod non est non est*, sicut patet ex suo convertibili, quamvis nichil non sit. Ex omni enim universalis affirmativa de dupli predicato, quorum primum sit superius

2, 3. quod est 1 non B. 4. posivo A. 5. impossibile A. 7. est in marg. A. 11. eciam B; et A. 23. grā mē A. 24. dī pt A; dici B. 32. predicatum pro per istum B. 33. conclusionem pro omniem B. 35. est before quod deest B. 37. sit non B. 38. communius above superius A.

vel sinonimum cum sequente, sequitur universalis negativa de predicato proporcionali dupli negato; ut, *si omne quod movetur | currit, tunc omne quod non movetur* A 30^b

But in this case the exclusive proposition is not necessarily convertible with its exponents.

So an affirmative proposition should be made out of the same subject (with a *not* prefixed), the contrary copula, and the same predicate. B 19^a

Vel sinonimum cum sequente, sequitur universalis negativa de predicato proporcionali dupli negato; ut, *si omne quod non creat non creat, debet sic exponi: quod non creat non creat, et omne quod creat creat, et sic esset exclusiva falsa, nullo creante. Et tamen hec universalis necessaria, omne quod non creat non creat. Capiendum | ergo affirmativum oppositum subiecti negativi talis exclusive; sed addenda est negacio infinitans totum subiectum propter brevitatem, propter consonanciam exposicionis, et propter significacionem extraneam sine tempore. Ideo secunda exponens istius: tantum chimera non potest esse, erit talis: omne non chimera potest esse; et hoc est verum. Predicatum enim talis exclusive negative excluditur a subiecto, et attribuitur cuicunque opposito subiecti in comparacione ad verbum. Unde in ista exclusiva, *tantum chimera non est excluditur esse ab ista chimera, et attribuitur cuicunque quod non est ista chimera. Et sic, quamvis appareat istam exclusivam esse falsam, tantum ista chimera non est, cum infinite alie et infinite plures chimere quam ista non sunt, tamen iuxta exponentes predictas quelibet talis est necessaria.**

The predicate may also cause variation; and it is fitting, when there is a relative term, to expound by means of other.

Example.

Racione predicati ut hic: *tantum illo modo non es asinus quo non esses asinus si non aliqualiter esset, ubi ratione termini relativi consonum est exponere cum illo termino aliud; ut dictum est alibi. Et sic exponendo: 30 illo modo non es asinus quo non esses asinus si non aliqualiter esset, et non alio modo nunc non es asinus quam illo modo quo non esses asinus si non aliqualiter esset. Quorum primum est verum, quia omni modo non es asinus, quo non esses asinus si non aliqualiter 35 esset; sicut patet per suum equipollens: ergo, illo modo non es asinus quo non esses asinus, si non aliqualiter esset. Sed secunda exponens est impossibilis, convertibilis cum universalis affirmativa impossibili, cum*

2. notato B. 7. non creat before debet *deest* B. 9. est necesse B.
13. sicut affirmativum B. 22. esse istam after appears A. 28. es B;
ees A; ib. eet A. 30. ut pro et B. 32. nullo before alio B.
33. quam before non esses A. 35. quomodo A.

necessario aliquo alio modo nunc non es asinus quo non
esses asinus si non aliqualiter esset; sicud patet per
suam subalternantem. Unde sicut, tantum ista chimera
non est et tamen infinite chimere alie ab ista non sunt;
sic, non solum illo modo nunc non es asinus quo tunc
non es asinus, sed infinitis aliis modis.

Et ita, illi qui ampliant esse ad esse potenciale et esse intellectuale possunt utrobique uti isto termino in the position of those who grant the triple meaning of being, is to be able to use other in such cases.
aliud in exponentibus exclusive. Et illi habent dicere quod non solum ista chimera non actualiter est sed infinite alie, et ita ad consimiles habent taliter respondere. Ideo sufficit sensus exponere, ut iuvenes possint loquentes concipere et eligere sibi viam placitam, quam voluerunt sustinere.

15 Ulterius, quoad exclusivas in quibus terminus exclusivus ponitur post subiectum, potest pro regula observari quod quelibet exclusiva affirmativa, cuius terminus exclusivus ponitur post subiectum, est convertibilis cum exclusiva affirmativa in qua terminus exclusivus determinat ipsum verbum; ut idem est dicere, *Hoc tantum est homo*, et: *hoc est tantum homo: hec proposicio precise significat sicut est*, et: *hec proposicio significat precise sicut est. Tu tantum vides hominem, et tu vides tantum hominem: et sic de ceteris.*

When the exclusive particle immediately follows the subject, it determines the verb, and may indifferently be placed after it.

25 Ex quo patet quod ista regula antiqua: "quilibet proposicio affirmativa convertitur cum seipsa, dicione exclusiva addito predicato," intelligitur de affirmativa in qua verbum substantivum predicit tertium adiacens

That is, after the substantive verb and before the predicate.

B 19^b vel equivalenter, ut | hic: *hoc est videntes hominem*, et:

30 *hoc est tantum videntes hominem*. Opinio tamen est quod diccio exclusiva, precedens verbum, excludit actum

But some think that before the verb, the particle excludes the contrary act from the subject, as: *you*

A 31^a oppositum a subiecto; ut, si *tu | tantum vides*, tunc

tu vides, et non aliud agis quam *vides*; et econtra. Sed

post verbum, excludit solum oppositum predicati, ut *si*

subject, as: you only see; i. e. you do nothing else; but that

35 *tu diligis hominem et non diligis non hominem*, tunc

only see; i. e. you do nothing else; but that it excludes

diligis tantum hominem: et sic refert dicere: tu tantum diligis hominem, et tu diligis tantum hominem.

from the contrary to the predicate; you only love man;

Prima tamen posicio michi probabilior; quia idem est dicere *tu tantum sedes*, vel *es sedens* et *tu es tantum sedens*;

2. es before asinus B. 3. sequitur; sic above A. 11. actualiter A.

13. concipe B. 23. et — hominem in marg. A. 27. addita B.

36. tantum tu B. 37. et — hominem deest B. 39. vel es sedens deest B; ib. sedens vel tu tantum es secens nec B.

i. e. *you love, but nothing else but man.*
 Wyclif prefers the former opinion.
 nec omne verbum adiectivum significat actionem, cum respectu cuiuscunque accidentis est dare verbum adiectivum, ut: *tu tantum quantificaris, qualificaris, tantum referris* etc. Ideo omnia talia debent resolvi in verbum substantivum; ut *si tu sedes, et non es non sedens* vel *aliter quam sedens*, tunc *tu tantum sedes* vel *es tantum sedens*, quod idem est.

The rule in this case is similar to the former one; *only* must be expounded in an analogous manner to that which obtains when it stands first.

A is only B; i.e. A is B, and A is not any not-B.

Unde pro exponentibus talium propositionum est regulariter observandum quod quelibet talis exclusiva cuius terminus exclusivus est posterioris ordinis, est ¹⁰ secundum proporcionabiles exponentes quo ad ordinem et qualitatem parcium exponenda; sicut exclusiva exponi debet in qua terminus exclusivus tenet primum ordinem.

Et hoc est quod dicebatur in prima regula huius capituli quod ordo termini exclusivi est plurimum attendendus. ¹⁵

Verbi gratia, ista proposicio: *A precise significat sicut est*, debet sic exponi: *A significat sicut est, et idem A non significat sicut non est, vel significat non sicut non est*; quod tantum valet. Et patet magna diversitas inter istas et talem exclusivam: *tantum A significat sicud est.* ²⁰ Et conformiter iudicabis de similibus quibuscunque. Si autem subiectum talis exclusive fuerit terminus mediatus, tunc iuxta dicta proposicio probari debet iuxta exigenciam talis termini; ut ista proposicio: *omnis homo tantum currit*, debet exponi ut universalis affirmativa. ²⁵ Et ista: *homo tantum currit*, debet resolvi ut infinita affirmativa; et sic de ceteris.

Examples, showing how to expound propositions that come under the latter category.

Et ex hoc patet quomodo tales sunt vere: *de specie humana, solus homo differt a muliere istius hominis, tantum una anima actuat corpus unum de natura humana;* ³⁰ *tantum octo fuerunt individua tempore diluvii;* et sic de similibus. Prima enim debet sic exponi: *de specie humana homo masculus differt a muliere, et de specie humana non quod non est homo masculus differt a muliere; ergo, etc.*: Et proporcionaliter est de reliquis ³⁵ iudicandum. Et patet quante iste differant ab exclusivis, ubi termini exclusivi tenent primum ordinem. Tales enim, de similibus terminis, sunt impossibles.

It is here seen in what sense *a man is alone.* Secundo patet quomodo quelibet talis est vera: *iste homo est solus, vel iste homo tantum est vel est solum* ⁴⁰

3. *tu tantum qualificaris* B. 4. *tu tantum B; ib. referr^o A, r'fe'n's B.*
 8. *exposicionibus* B. 15. *attendentes* B. 17. *ideo* B. 18, 19. *vel — quod deest* B. 21. *singulis* B. 23. *prius dicta tractatu* B. 40. *vel deest before* iste B.

aut *tantum*: que omnia equivalent; *iste homo tantum vivit cum arbore, anima est tantum passiva; deus solum est homo*; et sic de ceteris. Solet enim dubitari quando homo est solus; et post multos amfractus apparuit michi 5 quod tales proposiciones vulgares sunt truncate ad mentes loquencium. *Omnis enim res est sola vel solum est, quod tantum valet; aliquis | tamen homo in dato situ solum est homo;* et tunc dicit wulgus hominem esse solum, quando est notabilis locus in quo non est 10 homo preter istum. Et sic *quilibet homo quo ad aliquem situm, est solus homo.* Ex quo ad 2^m, 3^m et 4^m patet quod non repugnat istum hominem vivere solum, et tamen cum hoc intelligere; aliter enim lapis non solum esset, 15 cum gravatur, appetit et agit, et ita multa tam essentialiter quam accidentaliter sibi insunt. Nec obest animam esse tam solum activam quam solum passivam, A 31^b et deum solum esse hominem | et deum; et sic de ceteris.

Et tertio, notandum pro regula quod tales exclusive 20 de quibus fit conclusio, gracia pluralitatis de subiectis singularibus precedentibus terminos exclusivos, conver- tuntur cum exclusivis primi ordinis; et econtra. Et istam exposicionem habent auctores et wulgus pro famosa; ut idem est ad istum sensum, *tu durasti tantum per horam et tantum per horam durasti, tu dedisti michi tantum unum denarium et tantum unum denarium michi dedisti, de specie humana tantum iste fuit tunc, et tantum iste fuit tunc de specie humana;* et sic de omnibus assignandis in quibus terminus singularis subicitur et 30 accidentalis vel superior predicatur.

Unde pro intellectu exposicionis gracia excessus vel pluralitatis, est notandum quod potest esse excessus in quocunque accidente: excessus in superioritate et excessus in inferioritate. Et iuxta hoc concesserunt antiqui 35 quod *non solum album est Sor, sed musicum, stans, etc., et Sor non solum est animal, sed est animal rationale;* et propterea nec *homo solum vivit aut sentit, sed intelligit et wult insensibilia, ut angelus; et breviter, quando- cunque aliqua predicacio est alicui tribuenda et alia 40 que non est synonyma est cum ista, tunc non solum*

This and similar propositions, are incomplete, leaving a part understood in the popular sense.
Strictly speaking, every man is alone in the place his body occupies; but it is understood to mean a considerable space in which there is no other man. A man, living alone, may yet produce other acts besides those of life.

When the subject requires to be expounded by means of the term *more*, it matters not whether the exclusive particle be before or after the subject.

We must note that there may be, in every accidental predication, the idea of *more or less.* The ancients admitted that no man was *only white*, he was more: *musical, standing, etc.* In this sense no man may be said to live

11. Et *pro* ex B. 13. *int'* A. 14. ^{***}*guar* A. 15. *Hec corr.* B.
20. in *pro* de B; *ib.* *exclusio* B. 25. *tu durasti* B. 20. *et terminus* B.
30. *superioris* A. 35. *non deest* A. 25. *est after sed deest.* 37. *est vivit* B. 38. *visibilia* B. 39. *attribuenda* B. 40. *non pro non est* B.

alone, since
there are other
vital acts
besides.

And all such
propositions
must be false,
because no
quality is alone
in its subject;
but, two
qualities being
more than one,
they may be
expounded by
the term *more*.

The young
generation is
opposed to this
manner of
expounding,
which they
restrict to
sentences
referring to
quantity.

In every case
we must attend
to the term
upon which the
exclusive
particle bears;
and in
expounding,
more has to be
used in very
different ways.

Examples.

ista predicacio sibi inest. Illud tamen non sapiunt nec cognoscunt, nisi ponentes universalia ex parte rei. Unde secundum hoc loquentes, talis proposicio, *tantum album est Sor* debet sic exponi, gracia pluralitatis: *album est Sor, et non plus quam album est Sor; ergo etc.* quod 5 secundum eos est falsum, quia tam *album* quam *musicum* est Sortes. Et *album et musicum* est plus quam *album*, quia stat alicui prius advenire esse *album*, et postmodum, advenire sibi esse *musicum*. Et conformiter, *hoc* non solum *vivit*, sed *vivit, sentit, et intelligit*; nec solum *est 10 substancia*, sed *est corpus et animal*; et *hoc* est plus quam *substancia*; cum *animal* presupponit *substanciam* et superaddit differentiam constitutivam *animalis*.

Iste autem modus loquendi, quamvis sit solitus apud auctores, non tamen placuit iuvenibus; sed cum terminis 15 significantibus excessum quantitativum bene concedunt sensum talem; ut bene conceditur quod *Sor non solum duravit per instans, nec solum unum denarium dedit michi*, et sic de ceteris; quia *Sor duravit per amplius, et plus dedit michi*. Non sic tamen quod tempus fuit 20 maius quam instans, nec quod duo sunt plura quam unum; sed ponitur in talibus comparativus pro positivo: ut, *Sortes duravit plus vel amplius; hoc est, duravit duracione continua; et Sor dedit denarium et plures, hoc est, multos*. Duo tamen non sunt plura quam unum, 25 nisi detur sensus quod *duo sunt multa, et unum est non multa*; sed de hoc postmodum. Et iuxta utramque partem huiusmodi sententie attendendum est ad terminum super quem cadit exclusio, et ad terminum respectu cuius fit exclusio. Unde aliud est dicere: *tantum 30 per horam duravit Sor, et tantum Sor duravit per horam*; subiectum enim exclusive est primus terminus, sive sit pure rectus, sive mixtus de recto precedente et obliquo sequente, sive sit obliquus. Rectus enim subsequens obliquum non est pars subiecti exclusive, ut prius 35 dictum est de universalis affirmativa Semper autem in exponendo talem exclusivam debet capi in secunda exponente negacio excessus significati termini super quem

- 5—7. quod — Et *album deest* B. 7. ut *pro et after* *album* B.
 8. plus A. 22. *9pat³* oppositivo A. 26, 27. et — sed *deest* B.
 28. sive *pro* sentencie A; *ib.* attendendus B. 29, 30. ut *pro et ad —*
 Unde A. 31. per *before* horam duravit *deest* B. 32. est *pro enim* A.
 34. sequente *deest* A.

cadit exclusio; ut, si *tantum Sor movetur*, tunc non plus quam *Sor movetur*. Si *Sor tantum movetur*, tunc non plus est denominatus quam motus. Si *tantum per horam durasti*, tunc *per horam et non plus durasti*. Si A 32^a *tantum homo est animal* | tunc non plus quam *homo est animal*, cum tamen tam *homo* quam *asinus* sit *animal*. Et sic potest transferri tota exposicio exclusive ad expositionem gracia excessus; et iuxta illud non solum activa esset anima, nec anima esset solum 10 activa (quod idem esset iuxta proximam regulam) sed esset tam activa quam passiva, et hoc est plus quam esse activum. Nec deus *tantum* esset *homo*, sed tam *homo* quam *deus*; nec voluntas esset solum libere elicitiva sui actus, sed tam libere quam naturaliter.

Thus it is
possible to
expound every
exclusive
proposition by
the idea of
excess, or
more.

15 Nota tamen quod aliqui volentes acceptare tales sensus exclusive communius appropriant tali exclusioni istum terminum exclusivum *pure vel mere*; ut *ens est "pure"* taliter, quando est taliter sine participacione alicuius habentis condicionem oppositam; ut, *res est 20 pure alba*, que est alba sine participacione nigredinis; et sic de aliis denominacionibus qualitatum contrariis. Res enim est *pure naturalis*, quando est naturalis sine participacione artis, violencie, supernaturalitatis, et voluntatis que faciunt vel fecerunt ipsam esse. Ista tamen 25 plus dixerim gracia explanandi sentenciam auctorum iuvenibus quam gracia sic loquendi in sophismatibus, ut et possint concipere sic loquentes et loqui pro loco et in tempore quando libet.

Ex predictis patet quodammodo quomodo dicendum As for negative 30 est de exclusivis negativis posterioris ordinis, ut ista; propositions of the second sort *Sor tantum non est animal*, debet sic exponi, *Sor non est animal et Sor est quodcumque non animal*. *Sor tantum non currit*: *Sor non currit et Sortes est quodcumque non currens*; *A est tantum non significans sicut est*; *A est 35 non significans sicut est, et A non est non ens non significans sicut est*; quelibet enim talis convertitur cum propositione non exclusiva iuxta prius dicta. *Chimera tantum non potest esse*: *chimera non potest esse et chimera est quidvis non potens esse*. Et sic de aliis.

As for negative propositions of the second sort (only placed after the subject) it is clear that they follow the same rules as above;

1. tunc *deest* B. 6. est *pro sit* B. 7. sic *deest* A. 16. $\widehat{\text{gius}}$ AB;
ib. exclusive B. 20. quando B. 21. nominacionibus A. 24, 25. que —
plus *deest* B. 28. in *deest* B. 29. quodammodo $\widehat{\text{quo}}$ AB. 34, 35. A *after*
est — et A *deest* B. 38. non *tantum* B. 39. quodlibet B; *ib.* ceteris B.

some preferring Verum | tamen, sicut dictum est, duplex est opinio de B 21^a
other, and some exposicione talium proposicionum gracia pluralitatis vel
more, in their exposition.

The particle homo tantum non currit, et iste homo non tantum currit.

not also makes

a great

difference: as

A is only not B,

and A is not

only B.

In all such

propositions,

negative or

affirmative, the

subject affected

by the particle

is indefinite in

quantity (unless

rendered

universal from

other causes)

and the

predicate is

universal.

In all such

propositions,

negative or

affirmative, the

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quantity (unless

rendered

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other causes)

and the

predicate is

universal.

The exclusive

particle does

not change the

supposition of

the subject that

it follows; nor

of the predicate

either.

In the latter

case some say

that every other

predicate is

implicitly

denied unless

it has the same

meaning as the

one affirmed.

1. et (?) pro duplex B. 7. vel pro ut A. 11. super quod cadit subiectum B. 13. prima tamen pro predicatum A. 20. tantum pro verbum B. 21, 22. mobiliter deest B. 30. before exclusio quando ocul^b A. 31. contradiccio A. 33. album B. 35. negata B; ib. igitur pro illi A. 36. exclusivo; a deest A. 38, 39. sor v. platonem solum B.

Platonem, vel est non eque illi; ergo, Sor non videt Ciceronem.

In omnibus ergo istis opportet diligenter notare Much care must
subiectum et predicatum et medium descendendi, cum every point, in
5 determinacione opinionis tenende; et aliter decepcio est order to avoid
propinqua, etc. error.

3. enim *pro* ergo B.

CAPITULUM DECIMUM.

Exceptive propositions are called, in Logic, only those categoricals in which there is an exceptive term, such as *but* or *except*. Sequitur de exceptivis propositionibus pertractandum. Ubi primo notandum quod, quamvis quelibet proposicio in qua exclusio implicatur vel exceptio dici poterit exceptiva; logici tamen restringunt ad kategoricam in 5 qua ponitur terminus exceptivus cuiusmodi sunt isti termini (et si qui illis equivalent); *preter*, *preterquam et nisi*. Et differunt in hoc quod duo primi excipiunt indifferenter a distribucione affirmativa et negativa; sed tertius non proprie excipit nisi a distribucione negativa. Ista tamen diferencia plus usum loquendi ponderat 10 quam rationem.

Some are affirmative, some negative; all are universal. Different meanings of the different Latin exceptive terms. *Praeter* sometimes signifies excess (*besides*); sometimes diminution (*lessened by*). Examples. The place of the exceptive term in the sentence makes no difference whatever. *Nisi* may either mean *except*, or if not (*unless*). Sequitur de exceptivis propositionibus pertractandum. Ubi primo notandum quod, quamvis quelibet proposicio in qua exclusio implicatur vel exceptio dici poterit exceptiva; logici tamen restringunt ad kategoricam in 5 qua ponitur terminus exceptivus cuiusmodi sunt isti termini (et si qui illis equivalent); *preter*, *preterquam et nisi*. Et differunt in hoc quod duo primi excipiunt indifferenter a distribucione affirmativa et negativa; sed tertius non proprie excipit nisi a distribucione negativa. Ista tamen diferencia plus usum loquendi ponderat 10 quam rationem.

Et sunt exceptivarum quedam affirmative et quedam negative. Omnes tamen proprie exceptive sunt universales, ut patet de talibus; *omnis homo preter Sor* 15 *currit*, *nullus homo preter Sor currit*; *nullus homo nisi Sor currit*, vel *preterquam Sor currit*. | Tenetur autem B 21^b iste terminus, *preter*, quandoque proprie exceptive, ut in exemplis propositis, et quando excessive, excessum significans, ut hic: *preter tres solidos dedi tibi robam* 20 *seu tunicam*; et secundum alios tenetur quandoque diminutive, ut hic: *decem preter 5 sunt 5*. Nec refert sive ille terminus, *preter*, sequatur subiectum sive pre- cedat; ut idem est dicere, *preter Sor nemo currit*, et *nemo preter Sor currit*; et sic de aliis. Ymmo, etsi 25 diccio exceptiva cum suo casuali sequatur totaliter, eadem est sentencia, ut hic: *omnis homo currit preter Sor*, et: *omnis homo preter Sor currit*; *nemo scit omnia nisi deus*. Iste autem terminus, *nisi*, quandoque tenetur exceptive, et quandoque conditionaliter; exceptive ut in 30

1. Cap. *deest* AB. 2. Initial S in red ink A, *deest* B. 4. q̄l̄ cppo^m quo A. 10. *excipitur* B; *ib.* *nisi deest* B. 18 *ille* B. 19, 20. *excessum — hic above the line* A, *deest* B. 21. *tunicam robam sentim* B; *ib.* 2nd a *alios* B. 22. *ut to h'* B; *ib.* 2 (sic) B. 23. *preter deest*. 25. *affir- mativis pro aliis* B. 28. *et — nemo deest* A.

exemplis propositis; condicionaliter, quando coniungit proposiciones, ut *sic*; *tu es homo, nisi non sit homo.* Et tunc equivalet huic termino, *si non.*

Vocemus ergo solum universalem affirmativam vel negativam cum dicione exceptiva et casuali debite dispositis, exceptivam. In qua, ut antiquitus solet dici, sunt attendenda, scilicet illud a quo fit excepcio; quod est subiectum, quod vocari solet *totum in quantitate affirmativum vel negativum;* illud respectu cuius fit excepcio, ut predicatum; dicio excipiens; et pars extra capta, ut eius casuale. Unde regulariter observetur quod quelibet exceptiva affirmativa exponi debet per universalem affirmativam, communicantem cum exceptiva in extremis, addendo subiecto oppositum termini extra capti; et per negacionem cuius subiectum erit terminus extra captus, et predicatum erit synonymum cum priori. Verbi gracia, sic dicto, *omnis homo preter Sor currit,* sic fiat exposicio; *omnis homo non Sor currit et Sor non currit,* maior communicat cum exceptiva in subiecto et predicato, et subiecto additur iste terminus, *non Sor,* qui opponitur termino extra capto; et subiectum minoris est synonymum cum recto termini extra capti, et predicatum est synonymum cum predicato exceptive et prime exponentis. Et capitur terminus infinitus et non terminus alietatis, propter causas superius expressas. Quandoque enim non refert exceptivam exponere per illum terminum *aliud,* et quandoque vel erit magna difficultas proporcionare istum terminum, vel non sufficiens exposicio per illum.

A 33^a Et est intelligendum quod negacio | infinitans terminum extra captum infinitabit in comparacione ad verbum. Ut sic, dicto: *omnis homo non albus curret,* infinitatur iste terminus, *non albus,* pro omni homine qui est vel qui erit non albus; ita quod sequitur: *omnis homo non albus curret; ergo, omnis homo qui est vel qui erit non albus curret.* Et si *omnis proposicio non vera potest esse proposicio falsa,* tunc *omnis proposicio que potest esse non vera potest esse proposicio falsa;* et sic intelligendo terminum infinitum non erit

2. hic B. 4. Docemus A. 15. pñeva B. 18. si fiet A. 20. ille B.
 21. predicato pro recto B; ib. exceptive B. 23, 24. et — et prime
 deest B. 26. exceptivam deest B. 27. refert after quandoque B.
 31, 32. adverbium AB. 32. currit B. 38, 39. potest after vera — et
 sic deest B. 39. multitudo B.

Four points to be considered:
 1. the subject or quantitative whole, from which the exception is made;
 2. the predicate concerning which it is made; the exceptive particle;
 3. and 4. that which is excepted.
 Rule: Every affirmative exceptive proposition must be expounded by a universal affirmative, leaving out the exception and adding to the subject the opposite of the thing excepted; and by a negative having the same predicate and the thing excepted for subject.

As: *Every A, but B, is C:*
Every A not B is C, and B is not C.

The reason why *not* is used rather than *other*, is that in certain cases there is very great difficulty with the latter. It must be understood that *not B* means whatever was, is or will be, *not B*, etc. according as the proposition to be expounded is affected by

tense or any difficultas in assignando differenciam temporis per other modality; according to circumlocucionem verborum, ut dictum est in capitulo the rules given de exposicione universalis affirmative above.

Rule for negatives: the first exponent must be a negative universal, identical with the proposition to be expounded; only, instead of the exception, its opposite is added to the subject; the second must be affirmative, having the same predicate and the thing excepted for subject.

Si autem fuerit exceptiva negativa exponenda, regulariter potest observari quod prima exponens erit universalis negativa, communicans cum exceptiva in utroque extremo, addendo | subiecto oppositum termini extra capti, et 2^a exponens erit affirmativa habens subiectum synonymum cum termino extra capto et predicatum sinonimum cum priori; ut ista proposicio, *nullus homo preter Sor currit*, debet sic exponi, *nullus homo non Sor currit, et Sor currit*. Et vocatur terminus immediatus termino exceptivo, terminus extra captus; quia est signum entis quod implicatur excipi a denominacione predicatorum. Unde ille antiquus modus loquendi non placet modernis logicis, cum habet sensum preter vim vocis. Expedit tamen sic loqui causa brevitatis; brevitas enim, sicut in uno latere gignit confusionem et intricacionem, sic ex alio latere gignit facilitatem et compendium.

Many causes occur to vary the form of exposition; but we may note those variations that arise from the excepted part of the proposition. V. g. Every A but B or C is D and: Every A but B and C is D. have very different significations,

especially in the case of non-entities, which Wyclif states to be excepted just like entities.

Et accident variaciones in exponendo exceptivam ex quadruplici causa vel quintuplici: puta ratione signi, ratione subiecti, ratione partis extra capte, ratione verbi et ratione predicatorum. Et quia de aliis patet exemplum in prioribus, ideo solum pono exemplum de diversitate partis extra capte. Multum enim refert dicere, *omnis homo preter Sor vel Platonem currit*, et dicere, *omnis homo preter Sor et Platonem currit*; quia, posito quod *uterque illorum sit non currens*, et *omnis homo differens ab altero illorum currat*, tunc est prima vera et secunda falsa. 2^a enim non potest esse vera nisi *omnis homo curret*, sic quod nec Sor nec Plato vel saltim alter istorum non esset. Et secundum ponentes non encia non excipi in talibus foret proposicio impossibilis. Ego tamen reputo probabile quod *omnis res preter chimeram est*, et *nulla res nisi chimera non est*; quamvis infinite alie non sunt: sicut patet per exponentes superius positas. Si enim *omnis res preter Sor et Platonem currit* et tam Sortes quam Plato sit res que est non Sor et Plato, sequitur quod illi currunt.

2. est *deest* B. 17. *gracia* B. 20, 21. *excl pro ex quadruplici* B.
 23. *ubi pro verbi* B. 35. *partis deest* A. 28. *mō* = modo B.
 32. *saltēm* B; *ib.* *istorum deest* A. 35, 36. et — *quamvis in marg.* A.
 37. *omnes* B. 38. *currunt* B.

Ideo potest servari pro regula quod ex omni tali exceptiva cuius terminus extra captus est de copulato extremo vel ad hoc equivalens, inferibilis est universalis affirmativa, cum extremis sinonimis cum huiusmodi exceptiva; ut si *omnis homo preter duos homines sit in Oxonia*, tunc *omnis homo est in Oxonia*. Si *omnis homo preter omnem asinum sit iustus*, tunc *omnis homo est iustus*; et sic de aliis. Et si obiciatur quod antiqua regula que non fallit ponit quod *omnis proposicio in parte vera et in parte falsa potest verificari per exceptivam partis false*; ex quo videtur, cum ad hoc deservit exceptio, quod *omnis exceptiva implicat alienam et quod tales propositiones necessitate sunt vere*: sed huic dicitur quod sophista negaret illud esse regulam, cum non sit possibile aliquam propositionem esse mixtim veram et falsam; sed talis est eius intellectus quod quandocumque est universalis aliqua habens alias singulares veras et alias falsas ex similibus terminis, A 33^b potest fieri | exceptiva vera, excipiendo illa singularia falsa; non quidem quod illa universalis fiat vera, nec B 22^b quod eius significatum fiat verum. Et ex illo | intellectu non sequitur consequens argucii; nam exceptio est ordinata ad excipendum, tam illa que sunt quam illa que non sunt.

25 Et si dicatur quod superfluit illa exceptio, que non sunt: ut cum idem sit *omnis res creata*, preter illam que non est, conservatur a deo et *omnis res creata a deo conservatur*, ad quid additur exceptio? concedo; sicut illa superflua infinita alia, que ad aliquem finem modernis temporibus sunt locuta. Nec ex hoc sequitur quod sunt falsa, nec quod omnino superfluunt; ut idem est dicere, *omnis homo est*, et *omnis homo existens est*; vel, *omnis homo est dum est*, et tamen talia satis licet sunt locuta et ad finem aliquem utilem, quamvis non ad 35 exprimendum veritatem talem. Et debet fieri exceptio talium falsorum singularium per disiunctionem, vel aliter per terminum partitivum; quia nimis longum est numerare singularia falsa, ut patet in istis; *omnis homo*

As a rule, when the excepted part is composed of copulated terms, the proposition amounts to a universal one. Every A but (A' and A'') is D; therefore Every A is D. It may be said that every proposition can be made absolutely true by rendering it exceptive, and that therefore the exception implies difference between the two propositions; any proposition will become true if turned into an exceptive one, denying the singulars which are not true; but this proves nothing.

It may be objected that this exception of what is not superfluous; It is at least not more so than other modes of expression now in use; and it is neither false, nor absolutely superfluous.

Such singular terms should be disjunctively excepted in expounding a proposition of this sort,

2. exceptivus B. 5. sit *deest* B. 6. *homo before est deest* B. 7. *hominem album pro omnem asinum* B. 10. *habet pro* potest B. 13. *nēce A.*
20. 2^a *pro illa* B. 22. argumentum B. 26. causata B. 28. addatur A.
29. quod illa sicud multa alia superflua B. 30. locata B. 34. locata B.

5—7. These are two very different examples. I have been able to find a proper formula for the former only, in the marginal notes.

which cannot always be expounded by the term *other*: v. g. it does not follow that to be other than a given impossibility is possible. Nothing can differ from what cannot be.

preter Sortem vel Platonem est pluralis; omnis homo preter aliquid istorum (demonstrando mulieres) est masculus; omnis res intellecta, preter illam que non potest esse, est possibilis. Et ex illo exemplo patet quod non universaliter exceptiva debet exponi per signum alietatis; patet 5 quia hec universalis: *omnis res intellecta est possibilis*, est in parte vera et in parte falsa ad sensum positum; et tamen quelibet talis est impossibilis; *omnis res alia quam talis que non potest esse est possibilis*, quia implicat rem posse esse aliam quam talem que non potest esse: 10 quod est contradiccio. Alie sunt multe diversitates exponenti secundum diversitatem termini extra capti: quas omnes exemplariter potes cognoscere ex predictis.

Three corollaries.

I. The exceptive:

Every A but

B is C and its

prejacent,

Every A is C,

are

subcontraries;

as both may be

false, and in

cases where

exposition by

difference is not

allowed, both

may be true.

Some may therefore deny

that they are opposed, but such only as hold to the differential exposition; the exceptive and its prejacent come to the same, when the verb cannot be predicated of the exception; but not in the case of negatives.

Objections:

1. "When the predicate is not

universal, there

is no opposition,

even for

negatives."

But such propositions

are either not

properly

exceptive, or

the predicate

must be

understood

universally.

Ex istis specialiter patent tria. Primum, quod quilibet exceptiva et sua preiacens sunt quodammodo 15 contrarie repugnantes; ut iste repugnant: *omne animal, preter hominem, est substancia*, et *omne animal est substantia*; et dico quod quodammodo contrarie repugnant; quia, in terminis accidentalibus et ubi est predicacio indirecta, possunt simul esse false et more subcontrariorum 20 simul vere in illis que non implicant alietatem. Subcontraria enim possunt in terminis accidentalibus et predicacionibus indirectis simul esse vera. Ideo, cum nullum verum, ut videtur, contrariatur vero, negaret aliquis talia subcontraria vel eis similia, esse opposita. 25 Sed exponentibus exceptiva cum terminis alietatis foret illa regula, et non isti vie; cum ex qualibet tali exceptiva cuius verbum non potest predicari de parte extra capti, sequitur sua preiacens. Sed secus est in negativis, in quibus videtur repugnacia plus patere. 30

Et si obicias quod tales exceptive in quibus fit exceptio a predicato non repugnant suis preiacentibus, dum non fuerunt universales vel singulares, sed indefinite; ut patet de talibus: *homo non videt hominem preter seipsum; homo non cognovit mulierem nisi uxorem suam*: dicitur quod ille non sunt proprie exceptive. Ymmo, illis resolutis in exceptivas proprias, tenet regula; ut patet de B 23^a istis: *Nichil videt datus homo, nisi se ipsum; nullam mulierem cognovit datus homo, nisi uxorem suam*: et sic de ceteris.

1. philosophus B. 4. impossibilis A; ib. patet *deest* A. 5. q̄ h̄ A; ib. intellectiva A. 20. fē v'a AB. 21. fa v'a AB. 20. in accidentibus A. 25. ōme esse B. 26. c̄u above the line A. 27. sed pro et B. 30. p̄i B. 31. qūod *deest* B. 35. preter *deest* B; ib. preter *pro* nisi B. 36. tenetur A.

A 34* Et si secundo forcias obicias quod possibile sit 2. "When the *omnem hominem preter Sor excipi*: quo posito, patet ^{exception means itself to except,} the exception is affirm'd in the prejacent, and thus they are not opposed. Thus, if *every A but B is excepted*, *B* being the exception, *every A is excepted*. But this implies self-contradiction. A peculiar sense may be given to the words *excluded etc.* restraining them to apply only to the proposition in question. This is impossible; but if such a sense be imposed, answers ought to be made as in the exercise of obligations.

quantum ad imposiciones communiter factas de istis terminis *exclusum, exceptum, etc.*, quod nichil sit *exclusum vel exceptum*, nisi quod excluditur vel excipitur in data exclusiva vel exceptiva: certum est quod hoc est impossibile. Et si ponatur terminos sic significare, admittatur; et respondeatur communiter sicut in obli-gacionibus docetur. Necessere est enim quod multa sint *exclusa vel excepta*: ymmo quod quidlibet sit *exclusum vel exceptum*; ut necessario, *deus excluditur a creacione passiva; et necessario quidlibet creatum excluditur a primitate creacionis active*.

Sed ulterius notandum quod exceptive, sicut exclusive, Excepitives may be expounded by negation or plurality:
 25 ut sic, dicto: *non dedi tibi nisi quatuor*, potest habere *I have given only 4 means*
talem sensum gracia pluralitatis: non dedi tibi plus quam quatuor, et dedi tibi quatuor, vel *talem sensum gracia negacionis vel alietatis: non dedi tibi non quatuor et dedi tibi quatuor*; et quilibet talis sensus est impossibili bilis. Et *talem sensum contingit imponi talibus: Sor non est nisi sophista*, posito quod sit magister et sophista, rector, prebendarius, geometer, et sic de infinitis titulis vel predicabilibus non sinonimis: ut dictum est de exclusivis. Et patet eciam ex dictis quod illud anti-35 quum dictum non habet magnum colorem: "Si tot excipiuntur quot supponuntur, excepcion est impropria"; necessario enim tot excipiuntur quot supponuntur; ymmo communiter in eadem exceptiva tot excipiuntur quot supponuntur; ut hic: *nulla res nisi chimera vel res que*

1. est *pro* sit B. 4. for *above the line A.* 12. *impos* A. 16. ponitur B. 17. *9ini?* = conformiter? B. 20. causacione B. 21. quodlibet causa B. 25. et dedi tibi nisi quatuor vel *pro* potest habere B. 31, 32. posito — rector *deest* B. 32. et geometer B; ib. multis B. 38, 39. ymmo — ut hic *deest* A.

In this sense *non est non est*. Verumtamen non est multum utilis the rule that no modus loquendi dicere: *omnis homo preter hominem* properly except *omnem currit; uterque istorum preter istum vel alterum as many*

things as it implies, is not true; and is only so in this sense: that to say Every A (except every A) is B, is useless.

The subject should be as a whole, and the thing excepted as a part of it; Ass not being comprised in the meaning of man, no man, except an ass, runs, is a faulty exceptive. in comparacione ad inferiora. Animal enim commune est quoddam totum in comparacione ad hominem; et homo communis in comparacione ad istum vel ad istos singulares; et hinc credo ortum esse modum | loquendi B 23^b de excepcione fienda a toto in quantitate. Et patet quomodo iste sunt improprie: *nullus homo preter asinum currit; Nullus asinus preter istum hominem currit, nullus 15 homo preter animal erit; et cetera similia.*

II. The supposition of exceptive terms.

The subject, taken together with the excepted term denied of it, distributes the predicate.

The term excepted is supposed indeterminately as regards the predicate, if capable of indetermination, and not otherwise distributed. If capable of indetermination; for it may be singular by its nature.

And not otherwise distributed: for it may, either by an added sign or its own meaning, become distributed.

Secundo principaliter patet ex dictis quomodo termini exceptivi supponunt. Unde quo ad suppositionem totalis subiecti potest regulariter observari quod cuiuslibet exceptive aggregatum ex subiecto et opposito termino extra capti supponit mobiliter in comparacione ad terminum predicatum. Unde sequitur: *omnis homo preter Sor currit; iste est homo non Sor; ergo iste currit.*

Nullus homo preter Sor currit; iste est homo non Sor; ergo, iste non currit; et sic de singulis. Quo ad suppōsitionem termini extra capti potest regulariter observari quod cuiuslibet exceptive pars extra capta, capax confusionis, non aliunde confusa stat confuse tantum, indeterminate, in comparacione ad predicatum actum respiciens excipiendi. Ut patet hic: *nullum animal preter hominem currit; non enim sequitur ex hoc | disiuncte A 34^b vel copulative quod nullum animal preter Sor currit,*

vel nullum animal preter Platonem currit etc. Et addidi terminum, *capax*, quia quandoque est terminus extra captus discretus quod non est capax talis confusionis; 35 ut hic; *omnis homo preter istum hominem differt a papa.*

Et addo istum terminum: *non aliunde confusa*, quia

3. omnem deest B. 4. currit vel est sor B. 7. eiusdem B.
8, 9. significatum — inferiora deest B. 11. communiter A. 15. currit — nullus deest B. 16. currit B. 17. sed pro secundo A. 18. exceptio B.
19. quod deest A. 23. non currit after ergo iste B. 24, 25. Nullus — quo ad deest A. 27, 28. confusionis captarum pro capax confusionis A.
29. indeterminante AB. 30. extndi A, excludendi B. 33. addo istum.
34. captarum pro capax A. 35. capturam pro capax A. 36. hominem deest B.

quandoque ratione signi additi, et quandoque gracia materie, stat terminis extra captus mobiliter, saltem in comparacione ad predicatum, non attendendo exclusionem; ut patet in istis tribus exemplis: *nullum animal preter omnem hominem currit; Plato est homo, ergo Plato currit. Nullum animal preter hominem est animal rationale vel est; Plato est homo: ergo, Plato est animal rationale et est. Omne animal preter chimeram vivit, ergo omne animal, preter istam et istam chimeram (et sic de 10 aliis) vivit.*

Quo ad suppositionem predicati, est eciam regulariter observandum quod cuiuslibet exceptive predicatum confusionis capax non aliunde prohibitum supponit mobiliter, vel in comparacione ad extra captum terminum, 15 vel ad infinitum terminum extra capti. Verbi gracia, in exceptiva affirmativa supponit predicatum mobiliter in comparacione infiniti termini extra capti; ut si *omnis homo preter Sor currit, et hoc est currens, tunc hoc est non Sor.* Sed in exceptiva negativa supponit mobiliter 20 in comparacione ad terminum extra captum, ut si *nullum animal preter Sor currit, et hoc animal currit, tunc hoc animal est Sor.* Et cavendum est de mediis et terminis respectu quorum fient tales suppositiones; talia enim predicata, sicut terminos extra captos, 25 pretereunt multa confundencia disparium naturarum; et ideo dispariter valde confundunt.

Ex predictis infertur 3º principaliter quod cuiuslibet exceptive affirmative vel negative sunt universalis affirmativa et exclusiva affirmativa convertibiles apcius 30 assignate. Ista regula probatur ex hoc quod istarum trium specierum proposicionis in eisdem terminis sunt exponentes convertibiles; ut, captis istis tribus: *nichil preter hominem currit, tantum homo currit et omne currens est homo:* que sunt A, B, C; patet quod ex- 35 ponentes A sunt iste: *nichil non homo currit, et homo currit;* et exponentes | B sunt iste: *homo currit et nichil non homo currit,* quod non est nisi eadem copulativa conversa; et exponentes C sunt iste; *currens est homo,*

The predicate has a universal supposition as regards the negative of the excepted term in affirmative, and the term itself in negative propositions.

III. Every exceptive proposition can be turned into a universal affirmative or an exclusive one having the same sense, thus:
Nothing but B is C, only B is C, and Every C is B come to the same, as can be shown by the identity of their exponents.

I. quandoque before ratione *deest* A. 2. *mo^rA.* 4. illius exceptionis *pro* tribus exemplis A. 8. et est *deest* B. 9. *similibus pro aliis B.* II. exceptive B. 12, 13. captarum confusionis A. 16. *mo^rB.* 17. ad infinitum terminum B. 22. et sic B. 23. et de B; *ib.* fiunt B. 25. precedunt B. 27. inferruntur B. 32. tribus propositionibus B. 33. currit after homo *deest* B.

et nichil est currens quod non sit homo: quarum prima convertitur cum prima exponente et secunda convertitur cum secunda exponente. Et sic universaliter ad omnibus aliis. Cum ergo, sicut exponentes expositorum ad exponentes, sic exposita ad exposita, sequitur generaliter regulam esse veram.

But there are difficulties in applying this rule for copulated terms and such as are not in the nominative: in which case some deny its application. Example of a universal proposition that it is hard to turn into another.

Sed difficultas est in obliquis et aliis terminis coniunctis invenire illa tria sic proporcionabilia. Ideo multi negant illam esse regulam in coniunctis terminis vel obliquis; ut, posito quod *omnis homo habeat duos asinos*, unum currentem et alium non currentem; tunc *cuiuslibet hominis asinus currit*, sicud et *cuiuslibet hominis asinus non currit*; et tamen non *tantum currēns est hominis asinus*, quia *aliud quam currēns est cuiuslibet hominis asinus*. Nec sequitur quod *tantum asinus hominis est currēns*: quia cum universali stat quotlibet homines currere. Nec sequitur quod *tantum currēns quod est hominis est asinus*; quia stat cum casu quod unus asinus qui nullius sit hominis asinus currat, vel qui sit communis ad omnes homines. Et tales sunt instancie de aliis terminis coniunctis, tam respectu verborum ampliatorum, quam respectu | aliorum verborum de A 35^a preterito et futuro.

My plan for solving these is 1. to change the sentences, so that the universal terms be in the nominative, and 2. to assign a corresponding, exclusive and exceptive. Thus, *Every man's ass runs* becomes: *Every man has an ass that runs*; of every couple of contradictions *contradictiorum*; and ista exceptiva: *nichil nisi habens one is true, becomes Every alteram partem veram est par contradictiorum*. Hec couple of *contradictriores* enim universalis; *omne par contradictiorum habet has one of its parts true*;

- | | | |
|--|---|---|
| 4. <i>sint pro sicut B.</i> | 8. <i>gt^e A.</i> | 14. <i>cuius pro cuiuslibet A; deest B.</i> |
| 16. <i>q̄ B; ib. quodlibet A; quoslibet B.</i> | 19. <i>asinus before currat deest B;</i> | <i>ib. sit deest B.</i> |
| 22. <i>ampliator^e A.</i> | 24, 25. <i>Certum — unde deest A.</i> | <i>25. utar B.</i> |
| <i>32. habens B; deest A.</i> | 33, 34. <i>quodlibet contradictorium A.</i> | <i>36, 37. et — hec deest B.</i> |

alteram partem veram, convertitur cum prima universali. Hec etiam universalis: cuilibet homini similatur asinus vel obedit bestia, convertitur cum ista: omnis homo habet habitudinem ad asinum sibi similem vel bestiam obedientem; et per consequens talis erit exclusiva; tantum habens habitudinem ad asinum sibi similem vel bestiam obedientem est homo. Et talis sua exceptiva: nichil nisi habens habitudinem ad asinum sibi similem vel bestiam obedientem est homo. Hec etiam: 10 omnem hominem videt asinus, convertitur cum ista, omnis homo habet habitudinem ad asinum videntem hominem, vel talem, omnis homo videtur ab asino, et patet de sua exclusiva et exceptiva. Hec etiam: ab omni asino differt homo, convertitur cum ista: omnis 15 asinus ab homine differt; cui equipollent hec: tantum ab homine differens est asinus | et hec: nichil, nisi ab homine, differens est asinus. Hec etiam: omni bruto utitur homo, convertitur cum ista: omnis homo habet usum bruti, vel ista: omne brutum est usum ab homine; 20 et patet exclusiva et exceptiva. Hec etiam: omnem hominem potest Sor videre, convertitur cum ista: omnis homo potest videri a Sor. Et patet quod hec erit exclusiva secum convertibilis: tantum quod potest videri a Sor potest esse homo; et hec sua exceptiva; nichil nisi 25 quod potest videri a Sor potest esse homo: et sic de ceteris quibuscumque.

Nec movet tales universales non habere exclusivas et exceptivas secum convertibles, ex hoc quod non precise in eisdem terminis sunt signande; quia per idem mille tales propositiones convertentur per se vel per accidens. Sufficit ergo de similibus terminis et simili sentencia invenire exclusivam et exceptivam convertibles cum quacunque universalis affirmativa *de inesse*; quia hoc dicit regula, et est verum. Et patet 35 veritas talium sophismatum, *tantum verum erit verum; tantum existens potest esse filius tuus vel familiaris tibi, tantum papa potest absolvere te a quocunque peccato;* et sic de ceteris. Verumtamen, iuxta sensum excludendi gratia pluralitatis, non essent talia concedenda; quia

It does not matter that the terms are changed, if the sense remains the same.

Such logicians as exclude exposition by the word 'more', are driven to deny evident truths, v. g. only the true will be true.

7—9. homo — homo *deest* A. 13. de *deest* A. 15, 16. asinus — asinus *deest* A. 18, 19. ista — ista *deest* A. 19. visum A. 21. *pt'* A. 24, 25. homo — homo *deest* B. 30. tales B; *ib.* converterentur B. 32. mensura *pro* sentencia A. 35. *v'is* A; *v'itas* B. 36. episcopus B.

iuxta illum sensum videtur mihi quod prima foret sic exponenda: *verum erit verum, et nichil non ex equo verum erit verum; et sic de similibus.* Unde talibus foret tales universales signande: *Omne verum ex equo erit verum.* Et remanerent omnes tales exclusive secundum 5 talem sensum impossibilis, cum non contingit assignare aliquod ens quin de illo sunt multa communia ineque predicabilia; et per consequens non contingit assignare aliquod ens quod ex equo est alicuiusmodi. Si enim Sor ex equo esset homo, tunc non subiceretur predicationi superioris vel inferioris, vel predicationi per accidens. Et tales sensus decet sophistas cognoscere ut post delapsum a via sciant ad istam viam divertere et a redargucionis periculo se salvare.

Examples of
the second part
of the rule;
i. e. the
assigning of
corresponding
exclusives and
universals to
the exceptive
propositions.

These
complications
however give
more trouble
than profit, and
I prefer to let
them alone.

But it is
undeniable that
propositions
can be
converted one
with another
beyond the
extent of our
knowledge;

Exempla alterius partis regule sunt talia: *Omnis 15 homo preter Sor currit.* | *Omnis homo non Sor currit A 35^b pro tempore pro quo ipse non currit; et tantum currens pro tempore pro quo Sor non currit est homo non-Sor:* que omnia convertuntur. *Omne animal preter hominem currit; et omne animal idem non-hominis currit pro tempore 20 pro quo homo non currit; et tantum currens pro tempore pro quo homo non currit est animal homini non idem;* que eciam convertuntur. *Cuiuslibet hominis asinus preter brunellum currit; et omnis homo habens asinum non brunellum habet ipsum currentem pro tempore quo brunellus non 25 currit; et tantum habens asinum currentem pro tempore quo brunellus non currit est homo habens asinum non brunellum:* que eciam videntur converti. Sed quia maius fastidium est sollicitari circa tales conglutinaciones in huiusmodi propositionibus quam profectus, ideo malo me 30 et meos sequaces sine huiusmodi sollicitatione preterire.

De hoc tamen sum certus, quod quelibet affirmativa habet convertibilitatem cum negativa, et qualiscunque proposicio cum qualibet, ultra hoc quod | nos scimus B 25^a discutere. Scio enim multos modos dicendi probabiles 35

2—5. ex equo verum — erit verum *deest* A. 6. contingit *twice* B.
7. aliquod *deest* B; *ib.* quando *pro* quin A. 8. secundarie significare *pro* assignare. 11. aut *pro* vel *before* predicationi. 13. via propria B.
18. quo sor; pro *deest* B. 20, 21. preter hominem *non currit* idem *pro* idem — currens A. 22. pro quo B. 28. magis *pro* maius B. 29. faciendum A; *ib.* et *pro* in A. 30. pfectis A. 33. et qualicunque A.
35. nos *pro* modos B; *ib.* pbabile A.

26. We have already seen (p. 97, and note) the word *brunellus*, but with a context that did not enable us to determine its signification.

in materia de exclusivis et exceptivis, quos tenendo oportet aliter dicere quam est dictum: ut aliqui generaliter exponunt per istum terminum *aliud*; et sunt tripartiti; ut quidam concedunt omne nominabile esse, esse. 5 quidam vero dicunt omnia que fuerunt vel erunt, esse. Et quidam concedunt omnia talia: *tantum B instans erit instans, nichil preter filium est deus*; et sic de aliis. Quantum ad exceptivas dicitur, eciam satis probabiliter, quod terminus super quem cadit excepcionem potest 10 supponere simpliciter pro suo primario significato, vel personaliter pro quolibet eius supposito. Et iuxta istam equivocationem in suppositione est varie respondendum; ut, iuxta primam suppositionem, si *omne animal preter asinum currit*, tunc similiter, *nullus asinus currit*. Quantum ad exclusivam negativam potest 15 eciam regulariter observari quod cuilibet exclusive negative tam exceptiva affirmativa quam universalis negativa est convertibilis proporcionabiliter assignata. Ex quo correlative patet quod omnis exclusiva negativa 20 et omnis exceptiva vel universalis negativa cum tali exclusiva convertibilis antecedet ad universalem affirmativam communicantem in terminis cum eadem. Exempli gratia, cum ista exclusiva, *tantum homo non currit*, convertitur hec universalis: *nullum non currens est non homo*; et ista exceptiva: *omne ens preter hominem currit*. Et cum ista: *tantum chimera non potest esse*, convertitur ista: *omne ens preter chimera potest esse*: 25 et ista: *nullum quod non potest esse, potest esse non chimera*: quod est necessarium, cum suum oppositum sit impossibile. Et cum ista, *tantum substancia non est accidens*, convertitur ista: *omne ens preter substanciam est accidens*, et ista: *nullum non accidens est non substancia*. Omnia tamen ista tria sunt impossibilia, cum necessario sint multa encia, ut veritates de 30 possibili, de preterito, et futuro; et veritates negative, 35

1. et de B. 2. oporteret B; *ib.* unde *pro* ut B. 5. non *pro* vero A.
6. tamen B. 7. et *pro* erit B; *ib.* ceteris B. 8. Quantum ad exceptivas
deest A; *ib.* probatur A. 19. corre*e* A; corr*ie* B. 20. affirmativa A.
22. comitatem A. 24. illa B. 26, 27. potest esse — potest esse *deest* A.
28. potest esse before non *deest* A. 34. inmedia*ta* *pro* multa A.

33. *Impossibilia*. They are however famous axioms of the School. But they interfere with Wyclif's conception of universal realities, which cannot be accidents, and still less substances in the ordinary sense.

for there are many manners of expounding that would require quite a different theory.

Those who expound by the idea of difference are divided; some admit that every thing is that has a name; others allow that the past and the future are. Others say that nothing exists but at a given moment.

If the supposition of the term excepted is abstract or personal, the exposition must be varied accordingly.

There can be found for every negative exclusive a corresponding affirmative exceptive and a universal negative.

Examples.

As for this one: Only substance is no: an accident, and its convertibles,

we must note
that they are
false, for many
things are
neither; unless
we widen the
meaning of
substance.

And then,
substance
becoming the
same as *being*,
it would
follow that an
accident is a
non-entity,
something
besides being or
other than a
being.

A similar case
occurs with
exclusive
propositions
when they have
transcendental
ampliative
terms.

Thus, *Nothing
not understood
is a not-man*
is necessary;
yet its changed
form, *only man
is not*

understood,
is false.
But we must
notice that
such
propositions
cannot be
properly
exclusive, since
the
transcendental
term (v. g.
understood) can
be excluded
from nothing.

And the
proposition:
*Only man is
not understood,*
is rightly
convertible
with: *No non-*

que nec sunt substancie nec accidentia. Extendendo tamen nomen substancie ad omne ens in inherens, foret concedendum talia esse substancias. Et tunc non sequeretur ex ista exclusiva quod *tantum ens non sit accidens* propter transcendenciam subiecti exclusive 5 negative, quamvis arguitur ab inferiori ad suum superius a parte subiecti proposicionis exclusive. Cum ista tamen exclusiva, *tantum ens non est accidens*, convertitur ista

exceptiva affirmativa: *Omne ens preter ens est accidens*, supposita eius congruitate, quam satis consonum est 10 admittere, sicut admittimus congruitatem istius, *omne ens aliud ab ente est accidens*. Videtur tamen michi quod universalis affirmativa de terminis infinitis com-

positis non convertitur cum tali exclusiva negativa, cum

necessarium sit *nullum non accidens esse non ens*, eo | 15

quod impossibile est *aliquid non accidens esse non ens*. A 36^a

Et idem videtur de exclusivis habentibus predicata terminos transcendentis ampliativos; ut sunt tales termini, *intellectum, significatum, apprehensum* etc. Nam | hoc est B 25^b

falsum: *tantum homo non intelligitur*; et tamen hoc est 20 necessarium: *nullum non intellectum est non homo*: cum suum oppositum sit impossibile, ponens aliquod ens esse non intellectum. Nec inveni de aliis convertenciam talem deficere. Potest tamen dici quod quelibet talis

exclusiva negativa cuius subiectum est transcendentis 25

non est congrua, sicut nec exceptiva secum convertibilis; quia transcendentis non potest excludi ab aliquo.

Et sic tollitur prima instancia, dicendo quod antecedens non est congruum vel perfectum. Et quoad 2^m dicitur quod talis est universalis negativa: *nullum non ens in- 30 telligitur non homo*; quod est eque impossibile sicut exclusiva negativa. Et corollarium patet ex hoc quod

omnis talis exclusiva infert exceptivam affirmativam habentem universalem affirmativam alteram eius exponentem; ergo, omnis talis exclusiva infert universalem 35 affirmativam; et per idem omnis universalis negativa secum convertibilis. Omnis etiam exceptiva negativa convertibilis est cum exclusiva affirmativa; et illa cum

1. non *pro* nec *before* sunt B. 2. non inherens B. 4. tali *pro* ista B. 5. sibi *pro* subiecti B. 7. tantum *pro* tamen A. 8. 9. con- vertitur — accidentis twice AB. 13. negativa B. 16. quod cum B;

ib. sit *pro* est B. 17. pta A. 18. ampliaciones B; *ib.* scilicet termini B. 19. etc. deest B. 21. int^m A. 23. int^m A; unte^v B. 30. erit *pro* est B.

universalis affirmativa: et patet totum corollarium. Nota tamen quod nec quilibet universalis negativa infert exceptivam affirmativam aut exclusivam negativam; nec quilibet exceptiva affirmativa infert exclusivam negativam. 5 Ideo, quando sic inferunt, hoc est gracia terminorum. In istis autem inveni maiorem sollicitudinem quam profectum. Sequitur de modalibus.

1. et ita B; *ib.* Non pro Nota. 2. nec *deest* A. 5. inferuntur B.
7. etc. *pro* Sequitur de modalibus B.

entity is understood, that is a not man, being as false as the former.
Remark that not every universal negative can be turned into an affirmative exceptive, or an exclusive negative proposition; nor can every affirmative exceptive infer a negative exclusive one.

CAPITULUM DECIMUMPRIMUM.

This chapter deals with modal, viz., *necessary* and *impossible* propositions.

Any term modifying the sense of the *nexus* (or *copula*) is modal: as, *true*, *false*; *necessary*, *contingent*, etc.; *known*, *doubted*, etc.

But the four terms, *necessary*, etc. besides the modification they bring, are opposed to each other.

Sequitur de modalibus pertractandum; et primo de necessario et impossibili, propter eorum connexionem. Omni enim necessario opponitur impossibile, et econtra; et ideo, sicut cetera opposita, eidem subiacent discipline. 5

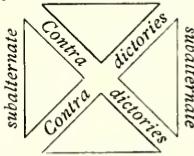
Primo tamen videndum est in communi qui termini faciunt proposiciones modales. Et videtur michi probabiliter posse dici omnem terminum determinativum connexi nam facere proposicionem modalem; ut sunt isti termini: *verum*, *falsum*, et quatuor famosi termini modales, scilicet: 10 *necessarium*, *contingens*, etc.; cum ipsis terminis: *scitum*, *dubitatum*, *creditum*, *ignoratum*, *intellectum*, *significatum*, et termini consimiles, etc. Omnes enim tales nati sunt supponere pro modo et determinare dictum proposicionis.

Quatuor tamen famosi termini modales, scilicet: 15 *necessarium*, *impossibile*, *possibile* et *contingens*, superaddunt super significatum dicti eius qualitatem et condiciones contrarias, contradictorias, et subalternas et subcontrarias secundum figuram quadrangularem propositionum simplicium *de inesse*. Et ideo significanter 20

1. Cap. *deest AB*. 2. Initial S in blue ink A; *deest B*. 3. *connpon B*.
8. *determinatum AB*; *ib.* *complexi B*. 9. *propositionem deest B*; *ib.* *tales pro isti B*. 10, 11. *scilicet — cum above the line A*. 13. *ceteri pro termini B*; *ib.* etc. *deest B*. 17, 18. *contradicciones pro et condiciones A*. 18. *contradicciones deest B*.

20. *De inesse*. See the figure and explanation in the first part of *Logica*.

A is necessary. Contraries A is impossible.



A is possible. Subcontraries A is contingent.

We must add to this diagram the remark that in the idea of Aristotle, *necessary* means merely "impossible not to be", and *contingent* "possible not to be".

facit de illis philosophus mencionem. Sunt ergo isti termini: *necessarium* et *impossibile* multiplices. Quandoque enim omne utile dicitur *necessarium*; ut *pecunia* et *panni*. Quandoque res quam oportet esse; ut *deus*.
 5 Quandoque sumitur pro quacunque veritate que non potest non esse; ut *me non esse asinum*; quandoque pro veritate secundum quid vel condicionaliter *necessaria*; ut *passio frigidi applicata calido sufficienti*, et quandoque modaliter per viam circumlocucionis supplendo
 10 cum alio vicem verbi; ut hic: *necessarium* vel *necesse est te fuisse*; hoc est *oportet* vel *requiritur te fuisse*. Et tres ultime significaciones proporcionales duabus primis pertinent logico.

B 26^a Unde *necessarium* tercio modo dictum est tripliciter
 15 subdivisum. Aliquid enim est per se et primo *necessarium*, ut *deum esse*; aliquid est per se secundo *necessarium*, quod nec potest nec potuit nec poterit non esse; ut *dyametrum non esse cometrum*; et aliquid quod non potest non esse sed potuit; ut *me fuisse*; et illud vocatur
 A 36^b per accidens | *necessarium*. Et omnia ista *necessaria* convenient in hoc quod non possunt non esse; sed differunt in hoc quod primum est per se sed non ab alio, secundum est ab alio sed non potuit non esse; sed tertium est per accidens *necessarium*, quia est
 25 *necessarium* quod potuit non esse.

Si autem sumatur *necessarium* secundum quid, hoc contingit tripliciter: vel quod sit *necessitas antecedens*, vel *consequens*, vel *concomitans*. *Antecedens* ut causa contingentis, inferens posterius naturaliter; ut *deum velle* *Sor esse* se habet ad *Sor esse*. Et dicitur *necessitas*, *antecedens*, quia *necessario*, illo posito, ponitur *Sor esse*; et illud est *necessitas consequens*. *Necessitas concomitans* est veritas contingens determinate *concomitans alteram*; ut *me esse tecum in hoc instanti*, et omne *contingens determinate verum*. Nec sunt ista tria distincta ex opposito; cum contingit idem respectu diversorum esse *necessarium antecedens*, *necessitatem consequentem*, et

General meanings of necessary:
 1. what is useful;
 2. the absolute Being;
 3. any absolute truth;
 4. any event that must follow certain conditions;
 5. it stands for the verb *must*; and the 3 last meanings are the logician's special province.

Special divisions:
 Necessary, as above (3), has three significations.
 1. A first self-necessary truth;
 2. A secondary self-necessary truth that never was nor will be untrue;
 3. an accidentally necessary truth, that cannot, but might have been untrue.

Relative necessity is divided into *antecedent* when its existence causes the existence of another; *consequent*, when its existence is caused by antecedent necessity; and *concomitant*, when it merely accompanies another event. These are not opposed, and

1. fecit B. 2. et *deest* B. 3. *inutile* A. 4. quam *deest* B.
 8. applicato B. 10. ubi A; *vi* B. 11. est *before* et *deest* A. 16. enim
pro est B. 20. *ans* B. 31. *antecedens deest* A. 37. *ans* AB.

18. *Cometrum* must mean here *commensurabilem*. In other parts of Logica, *dyameter* is generally feminine.

the same thing necessitatem concomitantem. Omne namque verum est
 may be necessary in all the three ways. aliquo istorum modorum necessarium. Et ideo sophiste non
 acceptant istas significaciones. Conveniunt autem omnes
 All three are contingent in themselves and et condicionaliter vel secundum quid necessarie; ut 5
 only conditionally necessary; but antecedent necessity implies something that naturally follows, consequent to something that preceded by nature, both being at the same time; as a lunar eclipse and the relative positions of the sun, moon and earth.
 Concomitant necessity excludes all idea of cause on either side.

A three-fold subdivision of antecedent necessity:
 necessity of volition, of nature, and of coercion:
 as God causes anything by volition, fire burns by nature, and the robber's captive pays a ransom by coercion.
 The two latter exclude liberty

We are not however, bound to admit any of these expressions. I give them only to point out what sense they are used. Impossible has similar divisions; the

ist necessitates in hoc quod sunt absolute contingentes ratione secunde necessitatis ex hoc quod prima necessitas dicitur in comparacione ad naturaliter posterius, ipsis tamen necessitatibus temporaliter coequis; et racio 10 secunde necessitatis e contrario dicitur in comparacione ad causam ipsa naturaliter priorem, sed tempore coeveam; ut *eclipsis lune* est necessitas consequens ad *dyametralem interpositionem terre inter solem et lunam*, que est respectu illius necessitatis antecedens, et sic 15 quilibet effectus dicitur in comparacione ad causam aliquam necessitas consequens, et in comparacione ad eius effectum necessitas antecedens. Tercia etiam necessitas dicit determinacionem ad esse cum alio, sine hoc quod alterum sit causa reliqui vel causatum. 20

Et est de necessitate antecedentis ulterius triplex subdivisio, cum aliqua sit talis necessitas *volitionis*; ut si volicio mea vel volicio dei sit causa necessitans aliud non coacta; alia necessitas *naturalis*, ut necessitas qua ignis applicatus ad combustibile subdominans agit vel 25 incipit agere; sed tercia, necessitas *coaccionis*, est necessitas qua predo cogit suum captivum ipsum redimere; et ista sonat in indigenciam. | Et iste duo B 26^b posteriores necessitates excludunt libertatem a sic necessitante. Istas tamen significaciones plus exprimo 30 gratia concipiendi autores quam gratia sic loquendi.

Videtur enim quod gratia brevitatis fuerunt tales significaciones introduce: et ideo non tenetur logicus nisi voluntarie huiusmodi significaciones acceptare.

Conformis autem multiplicitas est significacionis istius 35 termini *impossibile*: ut aliquid est *simpliciter impossibile*, scilicet quod non potest esse, ut *hominem esse asinum*, et aliquid dicitur *impossibile secundum quid*; puta illud

7. et *deest* A. 8. necessitatis *deest* B. 11. e — dicitur *deest*; e contra A.

12, 13. coequam B. 20. \widehat{tm} pro causatum B. 21. antecedentibus A. 24. coactum AB; ib. cst pro alia B; ib. ut necessitas *deest* A. 26. necessitas *deest* B. 27. quam B. 27, 28. redimire A. 30. necessitate AB. 38. aliud B; ib. tale pro illud.

quod a data causa non potest fieri, cum sit factibile. *absolutely and the relatively impossible;*
 Et simpliciter impossibilium aliquid est per se primo *what is primarily, what*
impossibile, ut deum non esse, aliquid per se secundo *is secondarily*
impossible by its own
accidens, ut illud quod non potest esse sed potuit *essence;*
condam esse; ut me non fuisse. Et ut breviter dicam, *and what is*
quot modis dicitur necessarium, tot modis correspond- *only*
entibus sumendum est impossible. Nec solum significata *accidentally*
propositionum sunt necessaria vel impossibilia, sed *impossible: in short, the*
denominative et improprie propositiones ille. Et tot *meanings of*
modis dicuntur propositiones esse necessarie vel im- *impossibility*
possibles, quot modis significata sua primaria sunt *answer to those*
necessaria vel impossibilia. *of necessity.*

15 Loquamur autem de simpliciter necessario vel impossibili; quia aliud non conceditur a sophistis esse necessarium vel impossibile; et videamus quomodo propositiones de necessario et de impossibili ratione illorum A 37^a terminorum exponi | debeant. Vocatur enim proposicio 20 necessaria, si primarie significat sicut necesse est esse; et impossibilis, si primarie significat sicut non potest esse, ut dictum est in principio tractatus proximi. Sed dicitur proposicio de necessario vel de impossibili, dum talis terminus participatur ab illa, sive fuerit necessaria, 25 sive impossibilis vel contingens; et sic de aliis modalibus senciendum.

Unde potest pro regula observari quod quelibet proposicio de necessario ratione talis termini exponenda exponi debet per copulativam, cuius prima pars erit 30 proposicio de *messe* sui dicti, et secunda pars erit proposicio de impossibili et opposito talis dicti. Verbi gratia, ista proposicio, *Necesse est omnem rem esse*, debet sic exponi: *omnis res est et non potest esse quin omnis res est vel quod non omnis res est; ergo necesse est omnem rem esse.* Et conformiter exponuntur tales: *necessarium est omnem rem esse, necessario omnis res est*, et cuncte consimiles. Et addo istam particulam “ratione talis termini exponenda”, quia quandoque proposicio de necessario habet unum terminum exponibilem

As sophists admit no other necessity or impossibility but that which is absolute, we shall take that meaning, and show how necessary and impossible propositions (i. e. propositions modified by those terms) should be expounded.

Rule: Every ‘necessary’ proposition, if it has to be expounded according to that term, must be expressed by a copulative, of which the first part expresses its meaning without the modal term, and the second is an ‘impossible’ proposition, having contradictory terms.

Examples.

2. super *pro* simpliciter A. 5. *nec pro* non B; *ib. a' pro* aliud A;
ib. autem pro aut. 6. *impossible* B. 8. *qj pro* quot A; *ib. tot deest* A.
 9. *sumitur* B. 20. *si aut* B. 24. *pu'ttpia'* A. 25. *sic est* B. 29. *per*
unam B. 36. *et necessario before* *omnis* B. 38. *exponetur ex-*
ponenda B.

We say 'if it has to be expounded according to that term' because it cannot always be expounded:

and because necessary is sometimes taken as an adjective; it then is simply categorical, and the exposition of the proposition becomes an analysis: *A is necessary*: i. e. *This is A; this is necessary*: therefore, *A is necessary*.

But the rule is to be followed when

necessary is modal; and the same may be said of impossible, contingent, etc.

I follow as a rule to take the sense as divided, when the modal term is between the subject and the verb; and when it begins or ends the proposition, as compound or divided indifferently.

priorem, ultra quem non fiet saltus. Sed proposicio racione illius primi termini exponetur, ut patet de istis: | *Omnis homo necessario est; Tantum aliquid B 27^a necessario est*; et cetere. Prima enim exponetur ut universalis affirmativa, et 2^a ut exclusiva affirmativa, 5 iuxta regulam tractatus proximi. Notandum quod tales termini modales, adiuncti dictis propositionum vel equivalentibus, possunt sumi quandoque kathégorice et nominaliter, et quandoque sinkathégorice et modaliter; ut sic, dicto: *necessarium est hominem esse*, potest iste 10 terminus, *necessarium*, sumi nominaliter, ita quod proposicio sit indefinita, significans principaliter quod aliqua necessitas est hominem esse (quod est verum); et tunc debet proposicio probari resolutorie per resolutionem istius termini *necessarium*, isto modo; *hoc est hominem 15 esse*, demonstrando illam veritatem communem quam in logica vocamus naturam hominis communem et speciem specialissimam; *et hoc est necessarium; ergo, necessarium est hominem esse*. Et minor patet ex hoc quia illa natura communis non potest non esse. Dum 20 autem modaliter sumitur et sinkathégorice, tunc isti duo termini *necessarium est* sumuntur pro isto termino oportet, et exponiter proposicio modaliter, ut docet regula supra dicta. Nec alicubi est diversitas in talibus quoad veritatem propositionis, sive uno modo sive alio 25 sumantur; saltem secundum ponentes res communes, veritates negativas de possibili, de preterito, et futuro. Et conformiter senciendum est de istis terminis, *impossible, contingens, et contingens non*.

Unde est michi regula generalis quod quandocunque 30 talis terminus modalis mediat inter subiectum et verbum, sensus divisus pretenditur, dum non fuerit limitatio aliunde; sed quandocunque totaliter precedit vel sequitur, proposicio indifferenter sumi poterit in sensu composito vel diviso: ut sic, dicto *omnem hominem contingit non 35 esse*, est sensus divisus; sed sic, dicto *natura humana communis necessario est*, sensus compositus est propter limitacionem termini secunde intencionis ad suppo-

1. sed tota B. 4. expon B. 6. tamen B. 8. kathegreumatice A; 9. et quandoque — modaliter *in marg.* A. 10. dicendo B. 14. resolvit ex particulari *pro* probari B. 20. quod B. 22. sumere *pro* sumuntur A; *ib.* verbo B. 23. proposicio *deest* A. 25. alio modo. 26. suatur B. 28. faciendum A. 33. scilicet *pro* sed A; *ib.* subsequitur B. 34. postest B. 37. et hoc propter B.

sicionem simplicem. Illum enim voco sensum compo-
situm qui precedit unum communem pro quo verifi-
cetur, dum tamen pro nullo singulari illius communis;
ut *hominem esse est necessarium*, et tamen nullus homo
est ille. Et sensum divisum voco sensum qui requirit
singulare pro quo proposicio verificatur, ut hic: *ne-
cessario homo est mortalis*. Et sic sensui composito
deservit supposicio simplex, et sensui diviso deservit
A 37^b supposicio personalis. | Nec obstat eandem proposi-
10 cionem sumi secundum diversas partes, tam in sensu
composito quam diviso.

Exemplum secunde partis regule est tale: *omnem hominem esse est necessarium; necessarium est instans vel aliquod corruptibile esse; utraque istarum potest 15 sumi in sensu composito qui est verus, et in sensu diviso qui est falsus. Nec ex hoc accidit confusio respondendi; iuxta prius dicta quecumque talis proposicio concedi debet simpliciter, cum habuerit unum primarium sensum verum. Et ex hoc patet talia sophis- 20 mata esse vera: necessario aliquid est quod non necessario est; omnem hominem esse est contingens et omnem hominem esse est necessarium, et tamen nullum necessarium est contingens. Mutatur enim supposicio in B 27^b talibus; | necessarium est hominem esse et contingens est 25 hominem esse; sed non contingens est hominem non esse, accipiendo dictum negative; nec contingit hominem non esse. Si enim iste terminus, *contingens*, sumatur nominaliter indefinite, et dictum negative, tunc falsum est quod *contingens est hominem non esse*, quia *hominem 30 non esse* non est, cum *nullum hominem non esse* est. Nec sumendo modaliter est proposicio vera, cum impossibile sit hominem non esse.*

The compound sense is that which is true of the thing in general, not of the individual; the divided sense is the contrary.

Examples of the 2nd part of the rule: propositions can be understood both ways, and are either true or false; but whenever one primary sense is true, there is no difficulty about granting them simply.

As, v. g. *Necessarily something is, which is not necessarily etc. is true; for the supposition of the words is not the same.*

Man must exist as an essence; but there is no necessity for any individual man to exist.

2. pretendit B. 2, 3. verificatur proposicio B. 5. solum voco sensum divisum B. 6. singularem proposicionem pro qua B; *ib.* proposicio *deest* B; *ib.* verificaretur B. 7. *moris* = *moralis* AB. 10. quam in sensu B. 13, 14. aliquod instans vel *pro* instans vel aliquod A. 14. utraque autem B. 17. quia iuxta B. 20. est vel erit B. 21. est vel erit *pro* est before omnem B. 23. supposicio *deest* B. 24. supposicio necessarium B. 28. infinite B. 29. hominem est before non esse B.

1—5. *Sensum compositum — divisum.* This is not quite the usual sense in which the distinction is taken by the school. It would be used, v. g., to confute the following sophism: *Qui nunc est mortuus heri vixit; atqui Pompeius nunc est mortuus: ergo, heri vixit.* The Dominicans made great use of it in their controversy against the Jesuits, on the question of grace and free-will.

Again, taking ^{necessary} Patet eciam quod *anima anticristi necessario erit*, acci-
substantively, piendo istum terminum, *necessario*, nominaliter; sicut
we must grant *omne quod erit necessario erit, et erit necessario*. Non
that the future
existence of the tamen *omnem rem necesse est esse vel fore*, nec
^{soul of}
Antichrist is a *necesse est omnem rem fore*, quamvis *necesse sit omnem* ⁵
necessity; *rem esse*, eo quod stat aliquam *rem esse et nunquam*
fore; ut patet de corporibus inanimatis. Patet eciam
quod in casu communi *necessarium erit animam anticristi esse et fore*, sicut *necessarium est deum causam mei esse*; nam *hoc erit animam anticristi esse*, (demon- ¹⁰
strando veritatem absolutam que erit *istam rem esse vel, ista res est*) et *hoc erit necessarium*; ergo, *necessarium est animam anticristi esse*; et sic de secunda conclusione,
tenendo tamen istum terminum, *necessario*, modaliter;
tunc erit *necessarium istam rem esse vel fore*, sicut ¹⁵
istam rem fore erit *necessarium*, sed non erit *necessarium animam anticristi fore vel esse*, sicud illam *rem fore* erit *necessarium*: nisi *fore* erit *resurreccio mortuorum*, qui *perpetuo manebunt in instantibus limitandis*,
ut ponunt theologi. ²⁰

Unde, tenendo istum terminum, *necessarium*, utro-
bique modaliter, differt multum dicere quod *necessarium erit ipsam fore* et dicere quod *necesse est ipsam fore*.
that is, its futurity *will be* a necessity, though it is not now so; which is true of many other things.
Si enim *opportebit ipsam fore*, tunc *necessarium erit ipsam fore*, et econtra; et ad hoc sufficit quod aliquando ²⁵
erit ita quod oportet ipsam fore. Sed si *necessarium est ipsam fore* ad sensum *limitatum*, tunc *opportebit quod ipsa erit*; multa tamen *opportebit fieri* que iam non *opportet fieri*.

The proposition: *A will be necessary, ought therefore to be first analysed by taking necessary to mean must, and proving it by means of its singulars.* Unde ista proposicio, *necessarium erit sic esse*, non ³⁰
primo exponetur ratione istius termini *necessarium*.
Sed, cum idem sit dicere, *necessarium erit, et opportebit, resolvetur ratione temporis connotati isto modo: tunc necessarium erit sic esse; ergo necessarium erit sic esse.*
Et antecedens probatur: tunc erit *quod sic est*, et tunc ³⁵
erit ita quod non potest non sic esse: ergo tunc erit necessarium sic esse, vel *tunc necessario erit sic esse: quod habeo pro eodem*. Et iste exponentes, *tunc sic erit, et non potest esse quin tunc sic erit*, exponunt *istam, necessarium est quod tunc sic erit*; et ⁴⁰

12. est *deest* A. 14. *necessario deest* B. 17, 18. sicud — nisi *deest* A. 22. *quod deest* B. 27, 30 B. 31. exponitur B. 33. enim *pro resolvetur* B. 35. *sic tunc B; ib. ita quod B.* 37. *omne pro esse A; ib. necessarium before erit B.* 39. *sic after tunc deest B.*

eodem modo de propositionibus de preterito et de posse.

Et iuxta hoc conceditur quod *possibile est deum* In this sense it is possible for *creantem me non esse* et tamen *nullo modo deus creans* God, creating me, not to be; *me potest non esse*. Et patet quod opportet talis con- yet God cannot A 38^a sequencia: *omnis res absoluta que non est* | et *potest esse*, *potest incipere esse* et *non necessario erit*. Sed *deus creans filium meum potest esse una res absoluta*, et *non est*; ergo, *potest incipere esse* | vel *non necessario erit*; but am to have one: then God B 28^a supposing that I have no son, *quia antecedens est verum et consequens falsum*, posito *can be and is* *quod non habeam filium*, sed *habebo*. Maior est eciam *not creating my son*, and is, *vera*; *quia quamvis multa, eciam que non sunt, possunt esse et non incipere esse*, sicut tales veritates affirmative therefore, not necessarily so. de futuro, *filius meus erit* etc; et multe sunt que possunt 15 *non esse sed non desinere esse*, ut tales veritates negative de futuro *filius meus non erit*; tamen hoc est impossible de re aliqua absoluta. Et minor argumenti negati patet ex hoc quod, si *filius meus non est et potest esse*, tunc *deus creans filium meum non est sed potest esse res absoluta*. Sed antecedens est verum, ut This conclusion, however, is evidently false. suppono et credo: ideo et consequens. Et tamen consequens argumenti facti principaliter est impossible, *videlicet quod deus creans filium meum potest non esse*. There are many similar fallacies on these subjects. Et tales sunt multe sophisticaciones racione istorum 25 terminorum: sicut exemplariter potes elicere ex predictis.

Hoc modale *impossible* non habet exponentes, sicut nec universalis affirmativa *de inesse*. Sed ille terminus, *necessarium*, exponitur copulative sicud universalis affirmativa diversimode. Verumtamen proposicio de im- 30 possibili probari potest a priori, a posteriori, et ex opposito, et ab equo. *A priori*; ut per hoc quod im- possible est duos angulos causatas ex incidencia unius linee recte super aliam lineam rectam, excedere aut diminuere a duobus angulis rectis; et cum necessario, 35 si duabus lineis eque distantibus linea supervenerit, duo anguli coalterni et angulus extrinsecus ac intrinsecus sibi oppositus sunt equales, probatur quod impossibile

A priori, v. g. proving that it is impossible for the three angles of a triangle to be greater than 2 right angles,

- I. futuro *pro* preterito B; *ib. de after et twice B.* 4. nullus *pro nullo modo B.* 5. non valet *pro* op̄ter B. 7. vel *pro et B.* 9. et *pro vel B.* 10. *gnsm B.* 11. enim est *pro est* eciam B. 15. et non *pro sed non B;* *ib. sicud pro ut B.* 18. a *pro quod si B.* 21. erat *pro et after* ideo A; *ib. et before* tamen *deest B.* 22. principaliter *deest B.* 23. non potest B. 25. potest elicere quilibet B. 27. ne- gativus B. 33. lineam rectam *deest A.* 34. rectis *deest B;* *ib. et tamen cum hoc B.* 36. quo alterni A.

Though 'impossible' propositions cannot be expanded, yet they can be proved in the four usual ways:

on account of previous mathematical truths on which it depends.

A posteriori, proving that every singular of a universal is impossible, and therefore the universal itself.

Ab aequo, proving that its opposite is necessary;

for every impossible proposition implies the necessity of its opposite, and vice versa.

There is yet another mode of proving these propositions: by taking the signification of the proposition and affirming that it is impossible:

wrongly thus: *A cannot possibly be B*, i. e., *This proposition is impossible*:

A is B; rightly, thus: *It cannot be that A is B*. And thus we cannot conclude

This is impossible, therefore this is, because in the first proposition impossible is equivalent to the verb it must not be (oportet non).

est tres angulos trianguli rectilinee supperaddere vel deficere ab equalitate duorum rectorum. *A posteriori*, ut sic; *omnem chimeram impossibile est esse; ergo, impossibile est chimeram esse. Ex opposito*, capiendo oppositum contradiccionis proposicionis talis de impossibili, et deducendo ad inconveniens; ut probari potest *quod impossibile est me esse asinum*, quia, dato opposito *quod possibile est me esse asinum*, sequitur posterius *quod possibile sit idem esse et non esse*. Et *ab equo* probari potest quecunque talis proposicio probanda, ¹⁰ proposicione de necessario et opposito dicto; ut, si *necessere sit me non esse asinum, impossibile est me esse asinum*. Est enim regula generalis quod quecunque proposicio de impossibili infert proposicionem de necessario et dicto opposito, et econtra; ut si necessarium ¹⁵ est deum esse, impossibile est ipsum non esse, et econtra; et talis proposicio de necessario probari potest expositorie.

Sed est alias modus probandi tales proposiciones de modis *a posteriori*, per capcionem proposicionum sic primarie significancium; que proposiciones sunt impossibili, necessarie, vel contingentes. Et ista probacio est adeo usitata, quod putant antecedens converti cum consequente. Unde multi erronee putant quod talis proposicio, *impossibile est chimera esse*, significat principaliter

quod, *talis proposicio est impossibilis*: | “*chimera est*”. ^{B 28b}

Sed illud non videtur, cum differencia modalis convertitur cum ista negativa: *non potest esse quod chimera sit*; et sic de ceteris iudicabis. Notandum quod iste terminus, *impossibile*, potest accipi dupliciter: vel modaliter, contrarie ad istum terminum *necessarium*, ³⁰ ita quod convertatur cum isto termino *oportet non*, vel aliter nominaliter, pro significato impossibili; ut in istis, *hominem esse asinum est impossibile, et hoc est impossibile* (demonstrando istam proposicionem, *homo est asinus*). Unde non sequitur: | *hoc est falsum vel impossibile: ergo hoc est*, sed sequitur pocius oppositum, ^{A 38b} cum terminus sit distrahens.

1. est deest A. 5. talis pro contradiccionis A. 10. proposicio
deest B. 11. cponit A; cponit B. 13. regula deest; Regula in marg. B.
14. convertibiliter pro inferit B. 16. deum pro ipsum B. 17. ut pro et B.
19. capciones B. 21. contingentes necessarie; vel deest B. 22. visitata B;
ib. putatur B. 23. errantes B. 23, 24. tales proporciones before talis B.
28. Nondum B; ib. tamen quod B. 29. duplicitate deest A. 32. figo A;
signo B. 32, 33. in istis deest B. 33. est after hoc deest. 35. est
before asinus deest B.

Et ex hoc patet quod nulla natura impossibilis mutabitur in necessarium, vel verum in falsum, aut econtra. Quondam enim fuit falsum quod *ego fui*, et iam necessarium est; et sic illud quod quondam fuit falsum iam est necessarium: sed quando fuit falsum tunc non fuit; et ideo non mutabiliter. Possibile tamen est quod verum contingens fiet necessarium; ut patet de tali: *fuit ita quod anticristus erit*, et ita de multis similibus.

So the impossible cannot by any means become necessary; although that which is at one time one may at another time become the other.

10 Et iuxta istam duplificem acceptionem istius termini *impossibile*, sunt multa sophismata, ut talia: *Possibile est impossibile esse verum, impossibile est possibile esse verum, necessarium est possibile non esse verum, te scire omne necessarium esse verum est impossibile*, et sic de 15 multis sophismatibus que apud me modice appræciantur. Prima patet de tali proposicione: *ego non sum in mente mea*; vel de tali: *in mente nulla proposicio est*; quorum utraque est possibilis, sed neutra potest esse vera. Primum tamen potest habere convertibile, et sic signifi- 20 cando potest esse verum, sed 2^a non tunc. *Talem proposicionem est impossibile esse veram, et talis proposicio est quoddam possibile: et sic impossibile est possibile esse verum*. Et iuxta conformem sensum conceditur quod *propositionem impossibilem in voce vel scripto 25 possibile est esse veram, et sic impossibile est possibile esse verum*; et cum contradiccio non sit nominis tantum, sed rei et nominis, cum hoc stat quod *impossibile est possibile esse verum*, eo quod *necessarium (quod est verum) est possibile esse verum*. Tertia conclusio patet 30 de propositione necessaria que potest non esse. Et 2^a conclusio patet, capiendo talem propositionem: *te scire omne necessarium est verum*; que est impossibilis, saltem distincta sciencia elicita, cum necessario sunt multa necessaria que sic non scis; et per consequens 35 *te scire omne necessarium esse verum est impossibile*. Sed de istis sufficiens.

Many fallacies exist, but I value them little:

As, that the impossible may possibly be true, v. g. when I say: *No proposition is in my mind*;

or that it is necessary for a given possible not to be true; v. g. when a given proposition (which is a thing possible) is necessarily false;

or that my knowledge of every thing necessary is impossible; which must be granted of distinct, not of general knowledge.

1. Et *deest* B. 2. *mutab'r* A. 4. *illud deest* A; *ib. illud pro quod* B.
6. *mutab'r* A; *mutabatur* B. 8. *ita de deest* A. 15. *modicum* B.
16, 17. *mête* A; *mte* B. 17. *de deest* B; *ib. in mente deest* B. 19. *con- 20, 21. verum — veram deest* A. 22. *ideo
vertibilem quod; et deest* B. 27. *quod possibile* B. 28, 29. *quod est verum deest* A.
30. *et deest* B. 31. *propositionem* B. 33. *loquendo de pro* saltem B.
34. *fi' pro scis* B. 35. *omne pro esse* A. 36. *Sed — sufficiens deest;*
etc. B.

CAPITULUM DECIMUMSECUNDUM.

Of *Possible to be* and of *Possible not to be*, or the affirmatively and the negatively Contingent.

When *Contingent* is taken as a modal term, it contradicts or is subalterneate to the corresponding propositions affirming impossibility, or necessity;

but not when taken as a noun.

Divisions: into contingent by *nature*, or *indifferently*; and if by *nature*, either always so, or in most cases, or in few cases.

We must premise that any proposition,

Sequitur de aliis speciebus modalium pertractandum, duabus prioribus contradictoriis et eciam subalternis: scilicet *contingenti affirmativo* et *contingenti negativo*. Ubi primo sciendum quod iste terminus, *contingens*,⁵ potest quandoque sumi modaliter et quandoque nominaliter. Modaliter quando, per viam circumlocucionis cum verbo substantivo, suplet vicem talis impersonalis: *contingit*, vel *potest esse*. Et sic proposicio de contingentis affirmativo subalternatur proposicioni de necessario¹⁰ affirmative, et econtra dicit propositionem de impossibili. Ut formaliter sequitur; *necesse est deum esse, ergo contingit, potest esse*, vel *contingens est deum esse*. Et B²⁹ huic contradicit hec, *impossibile est deum esse*. Et ad istum sensum universaliter ex propositione de necessario¹⁵ sequitur proposicio de contingentis, tamquam sibi subalternata. Quandoque sumitur nominaliter, pro veritate que est et potest non esse; ut: *contingens est deum esse causam mei*, quia est quod deus est causa mei, et potest non esse quod deus sit causa mei; et sic non²⁰ subalternatur modali primi ordinis, nec contradicit modali²¹ ordinis.

Et talium contingencium est triplex divisio. Quoddam enim est *contingens natum*, et quoddam *contingens ad utrumlibet*. Et contingencium natorum quoddam est²⁵ *contingens semper* et quoddam *contingens non semper*. Et talium quoddam est *contingens in maiori parte* et quoddam *contingens in minori parte*.

Pro quorum discussione cognoscenda, primo notandum quod proposicio determinate vera vel determinate³⁰

1. Cap. *deest AB*. 2. *Initial S in blue ink A*. 3. ac *pro* et eciam *B*.
4. scilicet de *B*; *ib.* et de *B*. 13, 14. Et — et ad *deest B*. 16. proposicio sibi *B*. 20. quia *pro* *quod B*. 21. prioris *B*. 24. quoddam est *B*. 26. ut *semper B*; *ib.* quoddam est *B*. 27, 28. parte *deest in both places B*. 30. est *quod B*.

falsa differt a propositione indeterminate vera vel in- either true or determinate falsa, in hoc quod proposicio deter- false, is so determinately orminate | vera est proposicio vera pro aliquo instanti, i. e., it must apply to a given instant of time in the former case; et non potest esse quin sic vel fuit vera pro eodem indeterminately; 5 instanti: et sic de propositione determinate falsa. Ex given instant of quo patet (a posteriori tamen) quod veritas determinata est veritas pro aliquo instanti existens, et necesse est ipsam esse vel fuisse pro eodem instanti: et sic de falsitate. Indeterminata veritas vel falsitas est que pro aliquo instanti est et potest esse, que nec est nec fuit pro eodem; et proposicio illam significans primarie est indeterminate vera vel indeterminate falsa. Exempla V. g. *I exist,* omnium istorum: hec est determinate vera: *ego sum;* is determinately true at a given quia est vera pro hoc instanti, et necesse est quod est instant of time; 15 vel fuit vera pro eodem. Et per idem eius oppositum and its opposite is false in the same manner; est determinate falsum, et *me esse* est determinate verum, quia est in aliquo instanti et necesse est ipsum esse vel fuisse pro eodem; et per idem *me non esse* est determinate falsum. Sed ista proposicio, *ego currām,* whereas, *I shall run,* if true, is so independently of any given instant; and likewise if false.

20 posito quod sit vera, est indeterminate vera, quia non est vera pro aliquo instanti, et potest esse quod nec est nec fuit vera pro eodem; et per idem, posito quod sit falsa, est indeterminate falsa; et veritas vel falsitas significata per ipsam indeterminate est veritas vel 25 falsitas.

Et ex hoc patent aliqe regule. Prima, quod omnis proposicio necessario, sicut et eius significatum primarium, est determinate vera et necessaria; et omnis proposicio impossibilis est determinate falsa et impossibilis; et 30 eius significatum primarium non est, et est determinate falsum, cum a nulla potentia potest esse. Idem patet ex descripcione *determinate* et descripcione *impossibilis et necessarii.*

Secunda regula quod de presenti, et de preterito et 2. Propositions B 29^b futuro, contingit propositiones contingentes | tam deter- concerning the past or future may be

- | | | | |
|---|--|--|--|
| 1. et <i>pro</i> vel A. | 2, 3. indeterminate A. | 4. \widehat{qu} = quando A; | |
| <i>ib.</i> vel <i>deest.</i> | 5. instanti <i>deest</i> A. | 10. quod <i>pro</i> que B. | 11. illa B. |
| 12. et exempla B. | 14. sit vera <i>pro</i> est B. | 15. instanti et B. | 16. in <i>pro</i> me B. |
| 22. instanti et B. | 23. vel <i>pro</i> et B. | 24. est indeterminata B. | 25. falsum A. |
| 25. falsum A. | 27. quod <i>pro</i> eius B. | 27, 28. necessaria est determinate vera et necessaria, sicut et eius significatum primarium est determinate verum et necessarium <i>pro</i> necessario — necessaria B. | 30. determinate non B; <i>ib.</i> et est <i>deest</i> B. |
| <i>ib.</i> illud B; <i>ib.</i> \widehat{pt} AB. | 31. eciam <i>pro</i> falsum B; <i>ib.</i> poin ^a A; | | |
| 34. regula <i>deest</i> A. | 32. determinati B; <i>ib.</i> de exscriptio B. | | |

determinate or minate quam indeterminate esse veras; et tam determinately or false: minate quam indeterminate esse falsas. Exemplum determinately, primi; hoc est determinate verum: *ego sum*, et eius oppositum determinate falsum. Hec etiam est contingens et determinate verum; *ita fuit quod ego sum in instanti* 5 *quod est presens*; et eius oppositum est determinate falsum. Hoc est determinate verum: *sol orietur cras*, et indeterminately, eius oppositum est determinate falsum. Exemplum 2^e as: *it was true* partis regule patet de istis et eius oppositis: *ita fuit* or *it is true* that *Socrates* will be a *bishop*; or: *Socrates will be a bishop*. 10 et: *Sor erit episcopus*, posito quod *Sor erit episcopus*, et non sit determinatum quod sic erit. Nam quelibet talium est indeterminate vera, et quodlibet suorum oppositorum est indeterminate falsum; et patet regula. Idem etiam est intelligendum de veritatibus primarie 15 significatis per tales propositiones.

3. If one of two opposites is determinately true or false, the other is so likewise.

3^a regula est, quod si unum oppositorum sit determinate verum, reliquum est determinate falsum; et similiter e converso: ut hoc est determinate verum, *ego sum*; ideo determinate est falsum quod *ego non sum*. Et sic de ceteris. Et patet ista regula ex descripcione determinate veri et determinate falsi.

4. All indetermination depends upon a something to happen in the future; propositions concerning the present or the past, if determinately true, are in so far necessary.

4^a regula est ista. Omnis indeterminacio veritatis aut falsitatis in futuricione scibilis est fundata. Illud patet per hoc quod omnis veritas de preterito non 25 dependens a tali futuricione est necessitas; ut patet de talibus: *ego non fui asinus*, *ego fui septennis*, *non fui Parisiis in B instanti*; et sic de ceteris similibus quibuscunque. Et omnis veritas de presenti non dependens a futuricione factibilis determinate est; ut patet ex descripcione determinati. Relinquitur ergo quod omne indeterminate verum vel indeterminate falsum ratione talis futuracionis sit huiusmodi. Verumtamen, cum omnis talis futuricio dependeat a presenti, ymmo a prima causa, patet quod omnis talis | indeterminacionis causa A 39^b

It follows that the ultimate cause of all indetermination is God.

7. etiam est B. 9. regule *deest* B; *ib. cis* A. 10, 11. ita — posito *deest* B. 11. et sic patet 2^a pars B. 17. est *pro* sit B. 18. crit *pro* est B. 24. vel *pro* aut B. 25. ex *pro* per B. 26. a *deest* A. 28. pifius A; pifius B; *ib. con* *pro* ceteris B. 30. est *deest* A. 34. dependet A.

5. *Verum*. Wyclif seems to offend very often against the rule of genders; but whenever it is possible, as here, to suppose *aliquid* (or an equivalent) to be understood. I have preferred leaving the text as it stands.

ultima erit deus. Et ex ipsis patet regula Aristotelis quod omne quod est independens a futuricione entis quod non est quando est, determinate et eciam inevitabiliter est: quod Aristoteles vocat necesse esse. Deus enim non potest facere quin *ego sum vel fui in hoc instanti*; potest tamen facere quod ego non sum nec fui futurus quadragenarius in hoc instanti; et quod iste motus nec est nec fuit in hoc instanti, et sic de multis veritatibus de presenti dependentibus a futuracionibus 10 encium que non sunt. Ymmo talis negativa, *ego non fui Rome*, dependet a futuricione, scilicet ab ista negativa: *ego non ero Rome*, et falsitas istius, *ego non fui episcopus*, dependet a futuricione aliqua negativa vel negacione futuracionis.

B 30^a Iстis | premissis, dico quod descriptive contingens ad utrumlibet est contingens indeterminate verum vel indeterminate falsum; et contingens natum est contingens determinate verum vel determinate falsum. Ex quo patet quod contingens sufficienter in istas duas species 20 est divisum; et addo sub distinctione divisi primam partem regule; quia omne contingens, sive omnis propositio, est determinate vera sive falsa in sensu composito; sed nullum contingens ad utrumlibet est determinate verum vel determinate falsum: sicut patet de 25 talibus; *ego disputabo, ego respondebo*, et similibus de futuro, que possunt principiari a voluntate humana. Solum enim talia creduntur esse contingencia ad utrumlibet; et alia, sive sint de futuro, sive non, creduntur esse determinate vera vel determinate falsa; ut 30 *hyemem esse futuram, pestilenciam, tempestatem, vel coniunctionem*, vel quemcunque effectum non impedibilem ab homine, esse futurum. Omnia enim talia creduntur determinate esse vera vel determinate falsa. Illud tamen est alterius negotii alcioris.

35 Contingens natum vel est contingens semper, vel contingens in maiori vel contingens in minori parte. Contingens semper alias sic descripsi: contingens semper est contingens natum cuius est causa effectiva quoad

To be independent of any other being is to be necessary.

Though God cannot alter the fact of our existence, He can alter all our future attributes which are, either now or in the past, connected therewith.

I was not in Rome depends on whether *I shall not be in Rome* is to be true.

That which is *indifferently* contingens is indeterminately true or false; that which is contingent by nature, determinately so.

And though every proposition taken in the compound sense must be determinately true or false, yet such as depend on the human will, and those alone, are believed to be indifferently contingent.

1. erat A. 2. quod before omne *deest* A. 3. eciam *deest* B.
8. multis aliis B. 10. quo A. 11. scilicet ab *deest* A; ib. illa B.
12. et sic B. 13. existens *pro episcopus* A. 17, 18. falsum — falsum
deest B. 20. divisi^t B. 21. sicut B. 22. vel determinatae *pro* sive B.
25. et sic de B. 27. dicuntur vel *pro* talia. 28. non de futuro B.
29. esse *deest* B. 30. vel *deest* B. 35. en*m* natum B. 36. parte vel
before contingens B. 37. sicud B. 37, 28. est semper B.

The contingent by nature: Always so, when its cause, naturally ordered to produce this effect, cannot

be prevented: hoc non impedibilis naturaliter ordinata, ut sunt eclipses, as the movements of coniunctiones, et talia que sunt in celestibus. Et ortus the heavenly bodies, which always take place, given their cause:

In most cases, when its cause can be prevented: as the usual conformation of parts of the body.

In few cases, when its cause is not naturally ordered to that effect: as, v. g. monsters.

Three corollaries.

I. To every proposition as to what happens in few cases, there corresponds a contradictory as to what happens for the most part; but not universally.

As nature always orders everything one way or another, if one event happens in few cases, its negation happens in many.

To be born with more than five fingers on each hand happens in few cases: not to be born thus, in many.

The former case is therefore not according to the intention of nature.

hoc non impedibilis naturaliter ordinata, ut sunt eclipses, as the movements of coniunctiones, et talia que sunt in celestibus. Et ortus est modus loquendi quod sit semper contingens, non absolute quoad tempus, sed condicionaliter quoad causam; ut semper, posita diametrali oppositione terre inter solem et lunam, fit eclipsis lune. Contingens tamen in maiori parte vocavi contingens natum cuius est causa effectiva quoad hoc, impedibilis, naturaliter ordinata; ut sunt naturales informaciones membrorum et effectus qui sunt in spera corruptibilium ab intento nature. Contingens in minori parte vocavi contingens natum cuius non est causa effectiva ad hoc naturaliter ordinata, ut sunt peccata nature et alia que sunt preter naturam.

Et ex istis patent 3^a. Primo, quod omni propositioni contingenti in minori parte nata est proposicio contingens in maiori contradicere; sed non universaliter; et e converso. Si enim sit contingens in minori parte, tunc est contingens natum, significans primarie effectum cuius non est causa effectiva naturaliter ordinata; et 20 per consequens eius oppositum formatum erit contingens natum, significans | primarie effectum cuius est causa effective, naturaliter ordinata: natura enim semper ordinat unam partem vel alteram contingentis communis nati.

Ut ista, *homo nascitur cum sex digitis in una manu,* 25 contradicit huic: *nemo sic nascitur*, que est ordinaria affirmativa, quamvis casualiter | oppositum eveniat. A 40^e Sicut enim natura ordinat quod omnis homo nasciturus nascetur tantum cum 5 digitis in una manu, ita ordinat naturaliter consequens, scilicet quod nemo nascetur cum pluribus quam 5 digitis in una manu; quamvis hoc sit falsum et non impletum quoad omnia singularia: quod creditur fieri pro peccato primi hominis. Et eodem modo, nato agno monstruoso cum duobus capitibus, aut orbato, solum cum duobus pedibus, talis 35 proposicio, *nullus agnus sic nascitur*, est contingens in minori parte, quia non est naturaliter ordinatum a prima institutione nature quod sic fieret.

1. impeditur B; ib. et *pro* eclipses B. 2. huiusmodi *pro* talia B.
6. fit B. 7. tamen *deest* B. 8. impossibilis B. 10. ab intento
deest A. 11. autem in B. 12. quo ad B. 18. et *deest* AB.
24. partem *pro* alteram B. 25. isti A; iste B; ib. nascetur B.
26. nascetur B. 28. nascitur A. 31. digitis quam quinque B.
34. monstro A.

Difficultas tamen est magna, utrum natura intendit singularia, et utrum ordinavit quod non fierent talia monstra vel orbata. Et videtur michi quod intendit singularia, et intendit monstra, et alia peccata; hoc tamen est ex viciacione et preter primariam ordinacionem nature. Et tamen talia dicuntur quo ad naturam viciatam fieri naturaliter et ab eius intento, non naturaliter, sed preternaturaliter sibi ordinato. Illud autem quod primarie fuit sibi ordinatum, et non illud quod secundarie propter defectum voluntatis, dicitur sibi naturaliter ordinatum. Sic ergo natura ordinat quod tunc fiet talis effectus, et quod tunc non fiet talis. Et sic forte est contingens in maiori parte quod non nascitur homo cum 5 digitis, quia contingens est in maiori parte quod non nascitur homo.

Et ex nullo contingenti in maiori parte sequitur contingens ad utrumlibet, vel contingens in minori; et sic alicui contingenti in maiori parte contradicit contingens in minori, et alicui non. Sed omni contingenti ad utrumlibet contradicit contingens ad utrumlibet; sicud omni contingenti semper contradicit contingens semper, et omni propositioni contingenti in minori contradicit contingens in minori. Ymmo solum affirmativa, vel sibi equivalens, est contingens in minori. Omne ergo singulare contingentis communis est in eadem specie contingentis cum illo communi, ut *me esse generatum cum quinque digitis in una manu* B 31^a est contingens in maiori parte, | et *me esse casurum* est contingens ad utrumlibet. Sed *me habere talem morbum* est contingens in minori parte. Ista tamen sunt confusa iuvenibus, tum quia supponunt consequiam, tum quia quandoque fit locutio de signis

2. ordinat B. 4. monstra et intendit B. 5. p̄t A. 8. enim pro autem B. 9. mō id q̄ B. 9, 10. z ai'e A; secundario B. 11. naturaliter B; ib. fiat B. 12. fiat B. 13. nascatur B. 15. nascatur B. 17. contingens — contingens deest B. 21. sic B. 23. proposicio contingens B. 28. cursurum B. 31. communia iuvenia A. 31, 32. omnia pro consequenciam B.

16. *In minori.* It would seem, on the contrary, that a proposition beginning by *most* implies another beginning by *some*, or *few*, and contradicting it. If *most A's are B's*, we naturally conclude that *some, or few, A's are not B's*. But Wyclif takes such propositions as not excluding universality; as we may say: *Most English merchants are honourable*, without wishing to imply that some are certainly not so.

et quandoque de signatis, tum 3º quia supponunt multa sophistis ignota.

II. Some events may be said to take place by chance. Chance implies a cause which, without intending it, produces an event that takes place in few cases; fortune implies the idea of action against that cause. The meeting of a debtor with his creditor may be fortuitous as regards the former, but not the latter; a stone breaks a man's head: it is a chance as concerns the stone and the sufferer, but not as regards the thrower. But 'to happen by chance' or 'by fortune' and 'to happen accidentally' or 'fortuitously', do not mean the same, unless in the first case 'by chance' or 'by fortune' are understood adverbially: if taken as nouns, they stand for the existing cause, producing a given effect which it does not intend.

Secundo principaliter patet quomodo inferendum est aliqua casualiter vel fortuititer evenire. Casus enim est causa effectans preter eius intentum contingens aliquid 5 in minori; et talis effectus dicitur quo ad talem causam casualiter evenire. Sed fortuna superaddit casui causam opposito agentem, ut homo. Talia ergo dicuntur fortuite vel casualiter evenire que sunt contingencia in minori ab aliqua causa effectiva, sine eius intento vel propo- 10 sito huiusmodi producendi; ut invencio debitoris in foro non intendentis illam invencionem vel obviam sed proponentis unum aliquid aliud, dicitur fortuita quo ad illum non sic proponentem, et non fortuita quoad alium illam principaliter proponentem. Et fraccio capititis 15 dicitur casualis quoad lapidem frangentem et illum capitatum, et proposita quo ad iacentem; et sic isti termini, *casuale*, *deliberatum*, *propositum*, et *naturale*, non distinguntur ex opposito, cum respectu diversorum idem sit casuale et propositum. | A 40^b

Nota tamen quod ista multum differunt: *hoc fit a casu* vel *a fortuna*, et: *hoc fit casualiter* vel *fortuite*: et sic de similibus. Stat enim effectum per se intentum et propositum sibi a casu vel fortuna, que respectu eius effectus non est casus vel fortuna, sed respectu 25 alterius. Ideo isti termini, *a casu*, et *a fortuna*, quandoque sumuntur modaliter et aliquando nominaliter; modaliter quando convertuntur pro adverbiosis, et nominaliter quando sumuntur pro illis causis efficientibus que respectu aliquorum effectuum sunt casus vel fortune. 30 Et fit sensus compositus vel divisus cum istis terminis, *casuale* et *fortuitum*, sicud cum aliis modalibus: ut *casuale* est quo ad causam aliquam quod *iste homo desideratus a Sor nascatur*, et non est casuale ad

1. et *deest* B. 3. sed *pro* secundo A. 4. et *pro* vel B. 5. *q̄tis* A;
ib. aliud A. 7. tamen *pro* causam B. 8. agente A; *ib.* enim B.
12. intencionem B. 13. ad *pro* aliquid A. 14. et *deest* B. 15. et
dicitur B; *ib.* lapidis *pro* capititis A. 17. *oppota* A; *ib.* quoad illum
iacientem B. 18. naturaliter B. 20. oppositum AB. 24. et *pro* vel B.
27. quandoque *pro* aliquando. 28. convertitur A; *ib.* cum *pro* pro AB.

6. Wyclif's definition of chance is narrower than the modern meaning. A 'toss-up' would in his opinion, not be chance, since 'heads' turn up in the long run as often as 'tails', and are, therefore, not contingent in *minori*.

eandem causam quod *iste homo nascatur*. Et sic forte est de contingenti semper, de contingente in maiori parte et de contingenti in minori parte: et specialiter apud illos qui dicunt quod respectu cuiuscunq[ue] effectus est volicio dei causa naturaliter antecedens.

Quodlibet ergo singulare contingens universalis necessarii

B 32^b est | contingens semper: ut *istum hominem esse*, et sic de similibus; cum, posita ista anima actuante, ponitur *iste homo*. Nec oportet, si aliquod ens fit a natura,

10 quod fiat naturaliter; quia omne peccatum fit a natura; sed oportet quod fiat ex primaria inclinacione nature vel activa vel passiva, ad hoc quod fiat naturaliter.

Unde stat eundem effectum fieri naturaliter et violente; naturaliter quo ad naturam passivam, et violente quo

15 ad naturam activam, sicut patet de multis alterationibus.

Ymmo stat eadem denominacionem esse unam nature agenti naturalem et alteri violentam.

Unde ista non repugnant, *naturale* et *casuale* vel *violentum*; et multo magis ista non repugnant, *naturale*,

20 *supernaturale*, *voluntarium* et *artificiale*, cum idem potest respectu diversorum esse simul tale et tale.

Unde nullum bonum potest fieri, nisi naturaliter vel voluntarie. Et sic creditur idem quo ad voluntatem

dei infrustrabilem esse contingens semper quod nos

25 ponimus contingens in maiori respectu cause 2^e. Et eadem produccio anime est preternaturalis respectu

dei, que quo ad naturam est naturalis; ymmo omne productum producitur supernaturaliter ab eo quo ad

causas secundas; sic quod ipse naturaliter et voluntarie

30 facit hoc; et in comparacione ad causas secundas sit supernaturaliter. Sed in significacione talium est magna

dissensio, cum aliqui distinguunt talia ex opposito, et, ut videtur michi, minus bene.

Tercio principaliter patet quomodo tales propositiones

35 affirmative de preterito et futuro cum talibus determinacionibus determinate, ad utrumlibet casualiter contingent; et cetere probari debent per resolucionem

In the latter sense, all that happens contingently might be said to take place by chance, as to its merely natural causes.

'Naturally' means not only 'by nature', but 'as following the primitive tendency of nature. So the same effect may be both natural and against nature.

There is no contradiction between the natural and the fortuitous or violent; still less between the natural, the supernatural, the voluntary, and the artificial; the same thing can be all these at once.

What God wills to take place always takes place, though we say that its cause produces it only in most cases; natural as to the latter, it is supernatural in its First Cause. III. It is thus clear how propositions determinately true in the past or future tense may be

3. parte — parte *deest* A. 4. regula *pro* respectu B. 5. causa dei A.
 8. posita cum AB; *ib.* omnia *pro* anima B; *ib.* act^uete A. 9. quod si B.
 10. quod — quia *deest* B; *ib.* quod — natura *twice* A. 12. vel *before* activa
deest B. 13, 14. et violentie naturaliter *deest* A. 16. denominacionem
deest B. 17. violentem B. 18. casuale *pro* et casuale B. 30. quo ad B;
ib. fit B. 36, 37. gting^{ēt} A; gting^{ēt} B. 37. cum *pro* cetere A.

indifferently contingent at the same time: while such as are indeterminate should not be expounded, but analysed according to the tense.

The verb *to be* as affirmative is alone modified in such cases, not the whole compound.

So v. g. God is (contingently) able to cause; yet His power is not contingent.

This means: He has power to cause contingently.

This will necessarily take place; i. e., it will be necessary for this to take place.

God can necessarily create man; i. e., His power to create is necessary.

And a determinate future is necessary only in the future.

4. *contingenter deest A.* 6, 7. *intoxicacione — intoxicacione deest A.*
9. *vocis pro tocius A.* 10. *de pro in B.* 11. *potest B.* 13. *potest deus B;* *ib.* *deus causat B.* 14. *deus potest B.* 17. *sui tocius complexi B.* 21. *sophis^oA.* 24. *similibus pro ceteris B;* *ib.* *enim consequencia pro prima non B* 25. *tanto pro eracio.* 26. *n'o non A.*
27. *distribuentes B.*

17. *Hoc erit necessario.* Later scholastics (particularly Suarez and the Molinists) deny this necessity; or rather they substitute for it the word *certainty* or *logical necessity*; which they assert to be merely in the mind. For instance: I have a bird in my hand: I shall either kill it or not: one of the two future contradictions is *certain*, but this certitude, depending on my free-will, is not necessary; and God knows it thus. Thomists, of course, dispute this position. It seems to be that of Wyclif, though he uses other terms.

instanti erit necessario, non tamen non poterit non fore, sed aliquando erit ita quod hoc non poterit non fore.

Et ex hoc patet disposicio figure in talibus modalibus. Nam isti termini, *possibile est, contingens est, contingit, potest esse*, quos habeo pro eodem, contradicunt huic termino, *impossibile est*, et non iste terminus *possibile est* vel *contingens est*, nominaliter sumptus; cum nec sit impossibile *me currere*, nec 10 *contingens* (*hoc est, veritas contingens*), est veritas *contingens*, si *contingit me currere*. Et conformiter isti termini, *contingit non, possibile vel contingens est*, non contradicunt huic termino, *necessarium*. Unde generaliter ad contradictiorum in modalibus assi- 15 gnanda sinonimis dictis, modi contradictorii debent addi; ut ista contradicunt: *necesse est omnem hominem esse et contingit hominem non esse; et necesse est omnem hominem non esse, et hec contrariantur: impossibile est omnem hominem esse, et, necesse est 20 omnem hominem esse*. Et illis subalternatur ista; *contingit omnem hominem esse, et, contingit non omnem hominem esse*. Et sic de similibus. Non ergo debent mutari dicta in contradictoria vel contraria, sed semper sunt sinonima capienda. Non debent verba mutari in 25 verba de preterito vel futuro; ut sic: *necessarium erit anticristum esse; possibile erit ipsum non esse etc.* sed sic: *necessarium est quod ipse erit, possibile est quod non erit*: ita quod modi semper includant verba de presenti, etc.

30 Et patet quomodo talia probari possunt quadrupliciter *a priori*; ut sic: *necesse est deum esse, ergo contingit deum esse; impossibile est chimeram esse, ergo contingit illam non esse. A posteriori*; ut: *ista proposicio est possibilis: "tu es", que primarie significat te esse; ergo possibile est te esse. Ex opposito, ut: non*

Aristotle's diagram shows this, for he opposes 'impossible to be' etc. to 'possible to be' etc., not the nouns impossible and possible, as such.

As a general rule, when opposites to modal propositions have to be assigned the contradictory, contrary or subalternate terms must be employed:

The pure signification of the proposition should be left as it is, and the modal terms always joined to a verb in the present.

All these can be proved in the usual four-fold manner: *a priori*, as: *A must be B; therefore A can be B; or: A cannot be B, therefore,*

1. aliquando *pro non before* poterit A. 2. forte A. 3. forte A.
- 2-4. sed — *Et deest B.* 7. est *deest A.* 8. contingens est et possibile est B; est *deest A.* 10. est — contingens *twice deest B.* 11. sed *pro si B.* 14. contradiccionem B. 17. esse animal *before* et contingit B; ib. animal et *before* necesse B. 17, 18. vel contingit non omnem hominem esse animal *pro et after non esse — esse B.* 18. non deest A. 20. subalternant tunc B. 26. anticristum *pro ipsum B.*
27. hic *pro sic A; ib. pcam pro necessarium B.* 28. ipse non B; ib. includentur B. 32. deum *pro chimeram B.* 33. deum *pro illam B.*

possibly A is sequitur | contradicco ex hoc quod tu es, sicut patet B 32^b
 not B; a capiendo eius oppositum: ergo, possibile est te esse.
 posterior: 'A is B, is a Ex equo: ut: non necesse est te esse: ergo, contingit te
 possible proposition' non esse. Et correspondenter subalternata negativa.
 therefore possibly A is B. Et tanta de istis modalibus dicta sufficient pro pre- 5
 Ex opposito: senti.
 the opposite of
 'A is B is
 impossible;
 therefore possibly A is B.
 Ex aequo: A is 1. B 32^b is blank, as also seventeen leaves that follow, of
 not necessarily B; which four have been cut, and nine torn out, so that there remain
 therefore A is B only four. The pagination (B 33^a) is continued after the blank
 contingently. leaves. As may have been seen, the MS. B, notwithstanding a
 good many defects, is superior to A. The third part of *Logica*,
 forming a separate volume, is only in B; and from here to the
 end of this volume, we have only A. We are, therefore, now
 entering on the most difficult part of the work; for the matter
 of the first part (also unique in A) was comparatively easy.

CAPITULUM DECIMUMTERCIUM.

Sequitur de sex aliis generibus terminorum, ratione The rest of this
quorum accidentunt sophisticaciones in proposicionibus second part
mediis, pertractandum; scilicet de *scire* et *dubitare*, de consists in an
5 *incipit* et *desinit*, de *per se* et *per accidens*, de istis examination of
terminis *infinitum* et *immediate*; de terminis *comparativis* doubt,
et de terminis *de plurali*. beginning, and ending, the infinitely great
and small, comparative terms and terms in the plural.
Both 'to know' and 'to doubt' have various meanings.

Et primo de *scire* et *dubitare*. Ubi primo notandum quod hec verba sunt equivoca valde. Aliquod est enim 10 *scire actuale*, et aliquod *habituale*; et hec differunt in hoc quod omne *scire actualiter* est actus de predicamento accionis, et *scire habituale* est habitus de prima specie qualitatis. Et utrumque membrum subdividitur; A 41^b nam *scire habituale* vel est improprie dictum; | ut 15 sciencia universalium necessariorum experimentalium: sicut est sciencia talium; *omnis homo est, omnis ignis est calidus*. Sciencia magis proprie dicta est sciencia principiorum; sicut sciencia talium; *nichil simul est et non est, omnis numerus est par vel impar*, etc. Sed 20 sciencia maxime proprie dicta est sciencia conclusionis ostensive demonstrate; ut sciencia qua scitur omnem datam lineam rectam esse basem trianguli, rectilineam vocando lineam datam, cui convenit equalem lineam rectam ab utroque extremo quo et similibus protrahere, 25 sicut non est dyameter mundi. Sciencia actualis vel est

1. Cap. deest A. 2. Initial S in red ink A. 11. de acty A.
14. proprie A. 15. exp'nnē^{fi} A. 25. dyamet' m̄di A.

6. *Inmediatis*. In Wyclif's system, as developed more at length in the third part of Logica, the extended is made up of mathematical points (*non quantis*) immediately touching each other. This will account for my translation of the term by 'infinitely small'. 25. *Dyameter mundi*. So far as I can understand, Wyclif considers the world as an enormous sphere, beyond which there is no space. The diameter of the world is therefore not a *given* line, i. e. one that can be produced. This explains one point; still I do not see how the world's diameter cannot be the base of a triangle, unless indeed the world is supposed infinitely great.

the world cannot be the base of a triangle.
 Actual knowledge is either the actuality of habitual knowledge or of a contingent object, either by the senses, or by the perception (called by Grosseteste *erratical* knowledge) of intrinsic quality. Again, both actual and habitual knowledge are either distinct or confused; distinct as to their first object; confused as to others, secondarily implied therein.

In this sense (confusedly) we may know all, even of which we doubt; but knowledge is generally taken to mean distinct knowledge. Asked 'if the Pope is in Rome?' we answer that we do not know; i.e. as concerns the present moment, and it is thus that logicians have affirmed that we do not know that of which we doubt or are ignorant.

actualis apprehensio necessarii, de quo habetur habitus, vel est actualis apprehensio contingentis, de quo nec habetur nec haberit potest habitus: ut sciencia qua scio te sedere. Et hoc contingit dupliciter, vel quod sit sciencia actualis *sensualis*, que vocatur noticia sensitiva; 5 ut scio quod ista albedo est vel aliquod quod sencio; vel sciencia actualis erratica alicuius virtutis interioris; et hec contingit esse *de presente*, ut scio Sortem amicum esse meum, et [me] amicum eius esse; vel *absente*; ut scio Romam esse pulcrum civitatem, et hominem 10 esse in Anglia. Et de tali scibili, ut videtur michi, potest esse quedam disposicio quam Linconiensis vocat scienciam erraticam vel scienciam communiter dictam.

Ulterius sciendum [quod tam] sciencia actualis quam sciencia habitualis subdividitur, cum aliqua talis sit 15 *distincta* et alia *confusa*; *distincta* respectu illius ad quod principaliter terminatur, et *confusa*, respectu illius ad quod secundarie terminatur. Verbi gratia, in sciendo omnem hominem in sciencia universalis, scio istum hominem esse, ipso existente; sed ista sciencia 20 terminatur principaliter ad naturam communem, ratione cuius est sciencia universalis; et respectu illius est sciencia distincta, cum per illam distincte scitur omnem hominem esse, sed confuse; vel in universalis scitur istum hominem esse, quia ista sciencia, respectu talis 25 singularis, est confusa et per aliud secundarie terminatur. Et iuxta istum sensum conceditur quod quilibet homo scit omnia ista sciencia transcendentia omnia, sicut et per consequens scit sibi dubium, et sibi in particuliari ignotum. Et sic, quicquid homo adiscit, prius scivit 30 confuse; et sic omnis malus actualiter ignorans distincte. Sed communiter restringitur *scire* ad distincte *scire*, ut quando queritur ab aliquo *utrum papa est Rome?* et ipse dubitat, dicit quod nescit: quod intelligendum est cum modificacione quod nescit vel ignorat in particu- 35 lari. Et illum sensum habuerunt illi famosi logici et subtiles qui scripserunt quod, sive *scire* proprie singulariter, sive communiter, nichil scitur ab aliquo, quod eideni est dubium. Et cum unum oppositorum tot modis dicitur quot et reliqui, patet quod *ignorare* et 40 *nescire* tot modis correspondentibus possunt sumi.

6. ^{ad} *pro* aliquod A. 8. esse amicum esse A. 9. me *deest* A.
 11. scibili⁸ A. 14. quod tam *deest* A. 26. per *deest* A. 28. sunt *pro*
 sicut A. 31. malus — distincte *scia* A. 37, 38. fu'at⁹ A. 40. quot et tot A.

Potest ergo dici pro descripcione habenda de isto termino, *scire*, quo ad membra equivoca, quod sicut *scire* habituale est habituari vel habere habitum cognitum, sic *scire* actuale est credere sine contraria formidine veritatem. Sicut enim habere motum est moveri, et A 42^a habere veritatem est esse virtuosum, sic habere habitum cognitum est scire vel cognoscere. Et *scire* actuale, cum sit actus adherendi vel credendi, dicit ultra actum illum, existenciam crediti; quia impossibile est quod non ens sit scitum vel cognitum, nisi forte homo ampliet istos terminos ad quamcunque apprehensionem, sicut faciunt theologi.

Actual knowledge is an act of unhesitating belief in the truth.

Thus what is believed must actually exist; a nonentity cannot be known.

Et ex isto patet quod *scire* actuale per accidens est *scire*, sed per se est credere; et eadem credulitas pura que est sciencia, credito existente, foret non sciencia, illo credito non existente; ut si, per primam meditationem hore credidi sine hesitacione quod papa est, cum hoc quod fuit ita continue, et per secundam continue eandem credulitatem puram, cum hoc quod ipse non sit, tunc ille actus qui per primum tempus fuit sciencia, per 2^m tempus erit non sciencia. Aliqui tamen ponunt aggregata per accidens, et sic dicunt scienciam talem esse aggregatam ex actu et relacione, et illud desinere esse ad desicionem relationis. Sed, quomodo-25 cunque sit ad hoc, concedendum est quod *scire* est per accidens *scire*.

And what is knowledge while its object exists, ceases to be so when the object exists no longer: if the Pope were to die, my knowledge of his existence would no longer be knowledge.

Secundo patet quod quantumcunque remissa credulitas veritatis, cum hoc quod sit pura, sine hesitacione, est sciencia. Unde stat quod una credulitas discibilis sit sciencia, et alia credulitas eiusdem intensior sit non sciencia propter formidinem oppositi. Et sic laici qui non dubitant vel discurrunt circa media certificanda de credito, frequenter sciunt ubi literati, et specialiter philosophi, querentes demonstraciones ignorant. Aliqui enim tantum querunt medium inevitabiliter concludens et per se notum in talibus, quod dubitant, quacunque

It is sufficient for knowledge that the belief, however faint, be unhesitating, and the object true.

And thus the unlettered very frequently know that of which philosophers doubt; for the latter wishing to prove by conclusive evident demonstrations

1. diei A. 6. *after* habere, hec *very indistinct* A. 14. idem *pro* eadem.
 21. et per A. 24. *deficōm* *pro* desicionem A. 27, 28. *increduli^a* A.
 31. logici A. 32. *ctifícā*^a A.

34. *Aliqui* etc. This passage reminds us very strikingly of the beginning of Descartes' *Discours sur la méthode*, and proves that Scholastics were far from being so dogmatical as is generally believed.

the existence of substancia vel re sensibili ostensa, utrum iam sit, all things, doubt the et sic utrum dormiunt aut vigilant, et breviter omne evidence of their sensible; quia, ut dicunt, omnis apparenzia posita senses, which is the only one posset creari cum hoc quod esset illusio. Layci autem we can have in non querunt tale medium, sed adherent sine formidine nec sollicitando de medio; et sic satis sciunt, quia aliter such matters. non est talis materia a nobis nunc scibilis.

It follows that if unhesitating belief in anything is not knowledge, the thing itself is not true; for if it were, it would fulfil the definition of the conditions of knowledge. Questions put

to a man convinced of a fact may to some degree diminish his knowledge by producing doubt.

In the case of so called 'obligations' we may have to affirm a thing, deny our knowledge of it, and grant that we do both.

But if by 'to know' we mean 'to know actually and distinctly', then there can be no such confusion; we do not know that of which we doubt, in the same way as that of which we do not doubt.

Sophisms cannot be made in these matters with incomplex, but only with complex propositions.

A 42^b

40

Et ex hoc patet 3º quod talis consequencia est concedenda, cum non scis 'sic' et credis 'sic' sine hesitacione; ergo, 'sic' non est, iuxta regulam in consequiis. Demonstrando enim per ly 'sic' quod iste est argenteus denarius, dum de facto sit cupreus, et supposito quod credas sic sine formidine, nichil deficit a sciencia tua respectu illius, nisi quod illud sit. Unde evidencie et interrogaciones facte homini scienti datum scibile possunt facere ipsum, ratione dubitacionis, aliqualiter nescire illud, ipso stante. Et patet, ex regulis obligacionum et hic dictis, quomodo, posito tibi quod credas sine hesitacione quod filius tuus sit, habeas postmodum negare in casu quod tu scis quod filius tuus est; ymmo, negare quod filius tuus est et concedere quod simul negas et credis sine hesitacione unum et idem. Sed cum in equivocis non est contradiccio, supponatur quod fiat locucio solum de *scire actuali et distincto*, restringendo terminum solum ad illud, *scire*. Et sic nichil scitur ab aliquo quod dubitatur eodem actu ab eodem, sicut patet ex descripcione supposita. Homo non scit aliquam propositionem esse veram quam ignorat et dubitat esse veram, sicut scit quod aliquid est | quod non sic scit; ymmo hominem esse scit et hominem esse dubitat. Unde respectu complexorum vel equivalencium fiunt sophismata cum talibus verbis et non respectu incomplexorum; ut hoc non est sophisma; *scio aliquam propositionem esse et aliquam propositionem scio*, 35 sed hoc: *scio aliquam propositionem esse veram, et aliquam propositionem scio esse falsam*. Stat enim me scire in universalis aliquam propositionem esse veram, cum hoc quod nullam sic credam esse in mente mea vel in mundo.

Solution of the usual fallacies in this matter.

Et sic ex dictis hic et alibi patet solucio ad consequencia argumenta que in communibus casibus huius

materie solent fieri. Ut, posito quod scias quod A est altera istarum: *deus est, homo est asinus*, quarum primam scias esse necessariam et secundam impossibilem, sed dubites que istarum sit A; patet quod casus est impossibilis, cum non sit possibile A esse tales propositionem; sed, admissa gracia argumenti, per intelligatur altera istarum indistincte, sic quod A sit talis proposicio: hoc potest dupliciter intelligi; vel quod iste terminus, A significet convertibiliter cum isto termino, altera istarum, et tunc non est difficultas respondendi, quia tunc scis A esse verum et A scis [non] esse verum. Ymmo proposito A, habes querere quid A proponitur, cum sint duo A. Sed secundo modo, magis ad propositum difficultatis, potest iste terminus A intelligi convertibiliter cum isto termino, alterum istorum, cui imponitur talis terminus A ad significandum. Sic enim A est true, and frequenter mixtim concepimus nomina rerum cum ipsis rebus, sicut patet de talibus: hic est Johannes, Vilhel-mus, Robertus, etc. Et tunc conceditur in casu quod A scis esse verum, et non dubitas A, sed dubitas A esse verum, et dubitas A esse falsum; et, proposito A, ipsum est concedendum. Sed quando opponens dicit "propono tibi A"; respondens sine pluri habet hoc negare. Sed potest dicere quod proponat, et respondebit. Et conformis est solucio ad talem casum.

Ponatur quod scias alteram istarum esse veram, *rex sedet; nullus rex sedet*, sed quod utramque dubites esse veram, sciendo quod A sit unum istorum, et unum A omne A. Admisso enim isto casu impossibili, gracia communicandi, est triplex responsio. Prima, que intel-

6. p^a A. 11. istis (i probably punctuation) after tunc A; ib. non deest A. 12. quod A.

1. *Ut, posito.* Wyclif supposes the difficulty known, and hardly states it. It is as follows: A being one of two propositions (which it is, is not known), but one of them is known to be evident and the other absurd: the question comes: What do you know about A? If you say, 'Nothing', then whichever proposition it signifies this is false, for you know something about them. If you say: 'It is true' or 'It is false', the sophist gives you its meaning, so as to stultify your assertion. If you say: 'It is both', this is also wrong, since A is not both propositions. — Logicians would at the present day answer: It is either true or false, according as it may happen to stand for one proposition or the other.

Suppose that by A is meant either an evident or an absurd proposition, it not being known which; this is an impossible case, since A cannot be either of the two. But admitting this for the argument's sake, it may have two meanings. Either A stands for one of the two propositions; then it is evident that A is true, and also not true. So then it must be asked which A is meant, since there are two 'one of the two'. Or it stands for one of the two things signified by the propositions; as names are often made to stand for things.

Then we must say that we know A and without doubt its truth or its falsehood;

or simply deny legit A esse terminum communem, convertibilem cum
that A is proposed to us, isto termino, unum istorum; et tunc non sequitur, si
If A means one A est verum, hoc est verum, quotunque illarum demon-
of two contradictrories, stretur. Nec sequitur omnem propositionem quam scis
neither of which is known as esse veram scis; sed tu scis A propositionem esse veram: 5
true, there are ergo, tu scis A propositionem, quia tu scis A esse
three solutions.

1. A stands verum: sed nullum A scis esse verum, ymmo esse verum
for 'one of these two'; then it scitur a te, et A esse verum dubitatur a te, in sensu
does not follow diviso. Si autem (et sic magis ad propositum) hoc
that if A is true, both are nomen A sit singulare, convertibile cum tali hoc, vo- 10
true.

2. A stands for catum tali nomine A, demonstrando illam quecunque
this proposition, then it is impossible to know that A is true, without
knowing whether the proposition for which it stands is true.

3. A stands for the one proposition of the two that is true; in this case, A is true, but it does not follows that either proposition chosen at random, is so.

Thus we cannot know any person as a singular, without knowing who he is.
Et ex eodem patet quomodo non est possibile, me scire hoc esse hoc, et nescire hoc esse Sortem. Sed dubitatur utrum sit | Sor vel Plato, nisi cointelligendo A 43^a

cum nominibus propriis appellacionem secundum talia nomina; ita quod idem sit hoc esse Sor et hoc esse hoc vocatum tali nomine, Sor. Et patet quod sic ista proposicio, homo hic est Sor, non significat primarie hoc esse hoc, nec primarie significat quod hoc est Sor 30 vel Plato; sed significat primarie quod hoc est hoc vocatum tali homine Sor. Et iuxta hoc conceditur in casu quod tu scis hoc esse hoc, sed non scis hoc esse Sor; et scis hoc esse Sor vel Platonem; sed nec divisim scis hoc esse Sor, nec divisim scis hoc esse Platonem. Nec 35 sequitur quod hoc potest esse asinus, propter vocacionem tali nomine, asinus; quia propria nomina et non talia communia connotant taliter res secunde imposicionis.

1. t'mi⁹ pro terminum A. 13. v'm A. 14. v'm A. 16. v'm A.
18. v'm A. 23. exodem A. 29. sic pro hic A. 33. omne pro esse
before hoc A. 34. divisam A. 35. divisam A.

3. Quotunque illarum. Here, and l. 27 and 28 of p. 181, there seems to be a confusion of genders. But I think Wyclif understands in one case *propositionem*, and in the other, *terminum* (p. 181, l. 15).

Patet eciam noscentibus artem obligatoriam solucio
ad illos consimiles casus, in quibus non certificatur de
significato termini demonstrativi; ut, posito quod scias
quid demonstratur per subiectum huius, *hoc est homo*,
5 et nichil dubites *hoc esse hominem*, omnibus aliis ter- Or take the
minis solum primarie significantibus; tunc ista propo- case in which
sicio, *hoc est homo*, quoad significacionem primariam no particular
tibi cognitam est scita a te esse vera, vel scita a te meaning is
esse falsa, sicut esset nullo circumposito. Ideo, cum attached to the
non sis limitatus per casum quid demonstrativum signi- demonstrative,
ficit, potes et debes eligere quodcumque singulare *this*, as:
volueris significari per ipsum; et iuxta hoc concedere he means by
vel negare, sicut faceres absque casu. Si enim propo- *this*; if he
natur michi, *hoc est*, et voluero, gracia communicandi,
15 querere quid opponens demonstrat, et noluerit michi refuses to say,
certificare; ego eligerem unum quod scio esse vel quod my duty is to
scio non esse; et iuxta hoc concederem proposicionem,
20 vel negarem. Nec refert quid horum fecero; nec habebit choose any one
opponens argumentum contra me, ut patebat in materia I like, and deny
de obligacionibus. or grant the
proposition accordingly.

Ex eadem autem sentencia patet quomodo sit respon- If of three
dendum, posito quod A et B propositiones sciantur a propositions;
te, et si dubitetur a te, non existentibus aliis, A, vel A, B, and C
B, vel C, quam istis: et sic transponantur quod nescias (no others
25 que sit A, vel B, aut que C. Nam casus est possibilis, existing), A and
quia stat cum isto casu quod nescias que illorum sit B not; and
A, vel B, vel C, cum stat A sciri a te et te nescire they are so
quod A scitur a te, vel quod est in rerum natura. Et that A, v. g. is
hoc iuvat multum ad possibilitatem casus; quia stat te not known; and
30 scire hoc sciri a te, et hoc esse A, et tamen te [non] yet we know
scire A sciri a te. Nec sequitur, *latet te A sciri a te*; ergo
dubitatis A sciri a te, quia multa latent te de quibus But we can
non consideras semper, loquendo iuxta primam know A and
limitacionem significacionis. Stat eciam quod scias A sciri yet not know
35 a te et, illo proposito, non cognoscere quod illud A which it is, and
scitur a te; quamvis bene scias tam A quam B sciri this doubt is a
consequence of our knowledge.
10. causam A; ib. dem̄ata; A. 18. quod A. 19. p̄tēb; A. 30. non
d̄cessit A.

21. I may be mistaken, but this is how I understand the following difficulty. Three written propositions, v. g. I exist, England is in Europe, and x = Vyz are each put into a box, so that the respondent does not know in which they are. He is then asked: Do you know the proposition that is in this box? The answer is: I know it in so far as it is one of the three, i. e. indistinctly.

The direct act
of knowledge
may exist
without being
accompanied by
the act of
reflecting
upon it.

And we may
know what we
think we do
not know; as
v. g. when we
know an
experimental
proposition,
and doubt
whether it can
be known
without an
operation of the
senses.

So it by no
means follows
that we do not
know a thing,
because we
doubt whether
that is
knowledge.

All this depends
on the fact that
actual
knowledge can
be of only one
thing at a
time.

We may know
the premises,
and see that the
syllogism is
good, and yet
doubt whether
the conclusion
is true.

But when we
speak of
cognition in
general as a
state of mind,
it is otherwise;
and those who
have denied
this verbally
seem to mean
the same as we.
We can know
a proposition in
three ways; by
knowing its
existence, or its
signification, or
its truth.

a te et sic dubitari a te. Tria prima patent ex dictis; et quartum patet ex hoc quod, quacunque propositione proposita, non, si *scis illam*, *scis* distincte *te scire illam*, vel dubitas te scire illam; sed stat te scire illam, cum actus sciendi directus posset esse sine tali actu reflexo. Nec sequitur, *tu scis illam*; ergo, non consideras utrum *scis illam*; sed stat cum hoc quod nescias (vel non scias) te scire illam, ymmo, quod dubites ac credas te nescire illam. Ut, posito quod credas | quod A^{43b} ad sciendum talem sensibilem propositionem requiritur eius noticia sensualis (ut multi opinantur); vel quod dubites utrum requiritur eius noticia sensualis; tunc, posito quod credas unam veram propositionem sensibilem sine dubitacione, patet quod *scis illam iuxta unum modum loquendi*, et nescis quod dubitas utrum *scias illam*: ergo, etc, Ex hoc eciam patet quod non sequitur, si *consequencia sit bona et antecedens eius sit scitum a te*, quod *consequens sciatur a te*. Nec sequitur: *tu nescis quod hoc scitur a te*; ergo, *hoc non scitur a te*. Et racio omnium talium est quia, cum solum loquitur de sciencia actuali, stat elicere unum talem actum, non eliendo reliquum. Ymmo, non video quin stat communiter scire consequiam esse bonam, et scire antecedens, nesciendo consequens, putando vel dubitando falsum sequi ex vero. Aliter tamen dicendum est, loquendo de sciencia in universalis; sic enim loquendo, si quidquam *scis*, aliiquid *scis*. Credo tamen quod alii, dicentes verbaliter oppositum, habuerunt sanum conceptum quem nunc non oportet explicare. Sed pro casu et conclusione declaranda, supponitur quod scire propositionem possit tripliciter intelligi: vel communiter, sciendo illam esse, vel proprie, cognoscendo illam significare aliqualiter primarie et cognoscere sic esse; vel magis proprie, cognoscendo propositionem sibi significantem esse veram; et ista significatio est famosa;³⁵ et sic de *dubitare et ignorare*. Primo modo non est inconveniens propositionem scitam vel cognitam ab homine esse sibi dubiam; sed inconveniens esset idem

6. non *deest* A. 6, 7. considerans A. 23. videro A.

26. Wyclif most likely alludes to the effect produced by those arguments of abstruse metaphysic which Kant calls the Antinomia of pure Reason. Otherwise such a state of mind would be very unsound.

complexum esse distincte scitum et opposite dubium. So likewise of Secundo modo loquendo, contingit propositionem esse doubt and ignorance. The third sort of cognition is most famous; the first sort does not exclude doubt from the two other points of view; nor the second from the third.

scitam ab homine, cum hoc quod, illa demonstrata sibi, nesciat utrum sit vera. Ut ponatur quod, com-
5 muniter sciendo, Sor Oxonie sciat A esse propositionem asoream et B auream, quarum prima significat primarie "deum esse", et 2^a significat primarie "mundum esse"; et dubitet C propositionem argenteam, que primarie significat "populum sedere": et sint in Grecia signi-
10 ficantes figurate modo greco; et patet conclusio. Sic enim communiter scio quod rex vel aliud absens est; et tamen, illo proposito, non sensualiter scio illum regem esse; et sic de qualibet illarum propositionum grecarum. Nec sunt due prime significaciones extraneae;
15 quia ad cognoscendum rem sufficit cognoscere ipsam esse; cum ergo omne *scire* sit cognoscere, et econtra, sicut omnis noticia est sciencia et econtra, qualiter non sciretur proposicio, ipsa cognita? sic enim sciuntur omnia mundi ex hoc quod scitur illa esse. Nec est
20 secunda significacio extranea, quia secundum famosos logicos, proposita vera propositione quam homo dubitat esse propositionem, dum adhuc non cognoscit eius significacionem, dubitat illam in quantum dubitat qualiter illa significat, sic quod illa non significat sibi qua-
25 liter, ergo non dubitat propositionem absentem.

Similiter, *homo scit regem sedere*, cum hoc tamen A 44^a quod illud | scitum non moveat illum; ergo non re-
pugnat scire signum et significatum, saltem abstractive, sine hoc quod ipsum moveat scientem, vel natum sit
30 movere. Sic enim stat cognoscere quamcunque rem sine hoc quod illa moveat, sicud patet de deo scientem omnem propositionem veram; ergo non est de ratione sciendi propositionem quod illa moveat sic scientem. Ymmo iuxta striccius loquentes de sciencia proposi-
35 cionis, dicentes quod requiritur scire qualitercumque illa significat; et sic scire illam significare, cum hoc quod non repugnat scire illam) stat existentem Oxonie There is no necessity for the thing known to act upon the subject that knows, as v. g. in the case of God's knowledge.

9. pp̄m A; ib. fint A. 29. est pro sit A.

4. *Ut ponatur.* Having been able to make nothing of this sentence, I have left it as it stands. The allusion to propositions *azure*, *or*, and *argent*, seems to give different symbolical meanings to these colours, which would signify otherwise in Greece than at Oxford.

Some go so far as to say that a man in Oxford can

know that the Pope is in Rome, as a non-sensible fact.

The like knowledge may also exist for things present. Let A, B, and C be three plates of gold on which are respectively graven, on one side the three letters, on the other "God is", and "Heaven is", and "The Pope is"; let the sides on which the letters are engraved be turned round; we may know the three propositions without knowing to which the letters belong. We may know a man, and yet not know him, if disguised.

The prounoun 'this' has infinite shades of meaning. I know that 'this' person is Pope, knowing that there is one; and yet if I saw him, I might doubt. Thus we may know and doubt the same 'this', but signifying differently.

Other examples.

scire papam Rome, si contingens scitur ab absente sicut cognoscatur, cognoscendo illud esse. Nec solum patet casus de propositionibus absentibus, sed de presentibus; et hoc dupliciter; vel quod cognoscas que sit scita a te, et que tibi dubia, sed nescias que sit A, 5 vel B, vel C; vel aliter quod A, B, C, sint tres lamine auree habentes ex uno latere figuræ istarum trium literarum et ex alio latere figuræ istarum trium propositionem, *deus est, celum est, papa est*; et sint primo obiectata secundum latera proportionaliter figurata, et 10 postmodum obiciantur sibi secundum latera opposita, figurata literaliter; et contingat casualiter quod A significet tibi *deum esse*, B, *celum esse*, et C, *papam esse*, te ignorantem quid illorum sit A, quid B, et quid C; et cum hoc ignoreas que illarum sit tibi dubia, ut 15 dictum est esse possibile. Et patet casus, petito quod corpus totum sit proposicio; et in isto casu videtur 5^a conclusio proposita esse vera.

Patet eciam solucio ad tales casus, posito quod *scias illum quem heri vidisti esse Sor* et sit hodie coram te 20 aliter indutus, sic quod credas illum non esse Sor. Pro quorum solucione notandum quod illud pronomen demonstrativum potest 2^m infinitos gradus connotandi proprietates vel accidentia significare; ut, sciendo papam esse, scio *istum* papam esse, demonstrando conclusionem "istum quem credo esse papam"; et tamen, illo proposito michi, ego dubitarem illum esse papam; et sic de infinitis aliis gradibus discrete demonstrandi, vel quo ad sensum, vel quo ad intellectum. Unde videtur michi quod precise eadem re demonstrata, scio 30 hoc esse, et dubito hoc esse; sic tamen quod iste terminus, *hoc*, diverse connotet. Ut, posito quod Sor sit coram me, cuius unam partem videam auferri et putem quod sit res inanimata; tunc "*hoc*" scio esse (demonstrando illam rem quam iam video), et credo "*hoc*" non 35 esse (demonstrando illam eandem rem quam nunc video et prius vidi). Et sic de demonstracione intellectuali; "*hoc*" scio esse Sor (demonstrando illum hominem quem heri vidi et quem nunc video); et demonstracione sensitiva "*hoc*" dubito [esse] Sor (demonstrando eundem 40

3. d^r pro de after sed A. 14. quod pro quid before illorum and before B and before C, A. 15. que illarum twice A. 22. nondum A. 40. esse deest A.

quem demonstro demonstracione intellectuali). Semper enim in talibus demonstracionibus est dare dispares connotaciones, ratione quarum non est convertibilis inter voces consimiles, nec contradiccio inter voces quae videntur contradicere.

Et ex isto videtur michi probabile quod possibile sit idem diversimode scire et dubitari ab eodem. Pro quo sciendum quod contingit de eodem habere quotlibet sciencias, tam actuales quam habituales, ut *sciendo*

A 44^b omnem | rem esse, sive in actu, sive in habitu, scio confuse *hoc esse Sor*, demonstrando Sortem. Et sic

The same person may doubt and know the same thing in different ways.

Knowing that all Being, all substance, every man etc., exists, he knows that *this man exists*, but vaguely.

omnem substanciam esse, omnem hominem esse, omne animal esse, et breviter quocunque superius, sive in actu, sive in habitu; ymmo quando due pro-

15 priitates accidentales convenient in eodem singulari,

sicut scire illud actualiter et singulariter secundum unam proprietatem, et dubitare vel ignorare illud secundum aliam proprietatem; nisi forte dicaret aliquis

quod ignoratur vel dubitatur illa proprietas et non 20 illud: ut in casu; *hoc esse Sor scitur a te* in singulari

actu intellectus, habito de antiquis intellecionibus absolutis. Et eadem veritas, que est hec, *esse Sor*, dubi-

tatur a te actualiter et distinete actu singulari, habito demonstracionibus elicitis ex sensu, que non sunt in

25 toto sermone cum prioribus, propter diversitatem conno-

tantis circumstancie individuantis. Nec est idem ultimum singulare primo scitum utraque illarum scientiarum, sed singulariter commune ad infinitas circumstancias

accidentales. Et sic contingit dubitare vel ignorare in

30 universali aliquo quod scitur in singulari: ut patet de istis; *omnis homo est non orbatus*, et *iste homo est non*

orbatus, quarum prima dubitatur et 2^a scitur; non tamen possibile est quicquam sciri in singulari, nisi

illud sciat in universalis.

35 Nec sequitur, *hoc ignoratur vel nescitur in singulari*, ergo, *hoc nescitur*: quia ista includunt negacionem, et non dubitantur. Lapis enim nescit, quia non scit; sed nichil ignorat, nisi quod natum est scire aliquid sciencia

qua caret. Et intelligitur dividitur vel simpliciter vel 40 secundum quid. Unde ignorare non est actus sed pri-

vacio; ideo non sequitur: *dubito hoc, ergo ignoro hoc*, nec econtra, cum ignoro multa de quibus non considero.

Likewise, when two accidents are present together; but then it may be said that the accidents, not the thing itself, are unknown or doubted.

What we know first is not the individual with all its properties, but the Universal to which all properties are but accidents.

We may thus doubt if *every man is a cripple*, knowing that *this man is one*; but the reverse is false.

To be unaware of is more negative than 'not to know'; a stone does not know and yet is not 'unaware'. The latter requires a natural capacity for knowledge.

'To be unaware' is not an act but a mere privation. We may also doubt what we do not know; but to doubt and know from the same point of view is impossible; when we know, we believe without hesitation, i. e. without any fear whatever of the contrary. This confusion does not hold with the other mental acts, since understanding, imagination, etc., have no contrary, like ignorance and knowledge. In these cases we must analyse the propositions, putting the singulars in the place of the universal subject, and the definition of the verb for the verb itself.

Ymmo dubito quod vel potest ignorari; ut, demonstrato hoc, *dubito hoc esse asinum*. Hoc tamen non est possibile, quod homo distinete et actualiter sciat et dubitet illud secundum idem eodem habitu. Unde, sic dicto, *tu credis hoc sine hesitacione*, excluditur omnis hesitacio 5 concomitans; quia iste terminus, *sine*, mobilitat terminum sequentem; ut, *tu non es sine capite*, nisi omni capite tuo careas; et per idem non credis quicquam sine aliqua hesitacione, nisi non hesites. Ideo addidi istum terminum, *contraria*; ita quod formido *contraria* credulitati sit 10 respectu eiusdem crediti, ad quod utraque principaliter terminatur.

Et patet quod non est dicendum in aliis significacionibus actum anime. *Intelligere* namque, *yimaginari*, *apprehendere*, *concipere*, et talia que non habent actus 15 contrarios quos confuse concluderent, non faciunt sophismata, ut ista, *scire*, *dubitare*, *ignorare*, *velle*, *appetere*, et cetera restricta ad actus distinctos. Et patet quomodo talia debent probari: *Scitur omnem hominem esse*, *dubitatur papam esse*, in quibus primus terminus 20 est officialis, faciens sensum compositum; debet enim verbum resolvi ad verbum de subiecto singulari et per communicacionem fiet probacio, per descripcionem talis verbi officialis, ut, *ego scio omnem hominem esse scientificum*, terminatum principaliter ad hoc, vel quia 25 actualiter *credo hoc existens*, sine formidine contraria.

Sed de *velle* est una nova difficultas, cum homo potest *velle* contradictoria volucionibus equivocis 2^m | quid, vel condicionaliter, et volucionibus absolutis: ut A 45^a Sor wult in casu communi proicere merces in mari, et 30 wult salvare easdem. Ymmo, wult proicere ipsas in mare. Wult eciam *Plato incontinens continere* et *wult appetitu sensitivo [non] continere*; et sic de *velle* in universali et *velle* in singulari, et, secundum aliquos, de *velle*, *intelligere*, *amare*, et similibus in actu vel in 35 habitu. Videtur tamen michi quod omne *velle*, *nolle*, omne *intelligere*, et omne *dubitare*, sit actuale, quamvis frequenter sit oppositum verificatum. Et forte sic intellexerunt logici quos sepius memoravi, dicentes quod si homo scit, dubitat vel ignorat etc., tunc scit quod scit, 40

1. vi A; ib. ignorare A. 6. communicans A. 23. \widehat{gmon} A.
30. $\widehat{g\ell}$ A. 33. \widehat{Bico} ; non deest A. 38. vifcatum = verificatum?

quod dubitat, quod ignorat etc. eo quod non deficit But in my
assensui nisi consideracio. Videtur tamen quod possibile opinion verbs, taken in
est ignorare particulariter sensitive quod ignorans scit this sense,
particulariter intellective; ut patet de ista; *hoc est* imply actuality,
5 *Jupiter*, quam philosophus, non cognoscens planetas and it is thus
sensualiter scit intellectualiter; et, demonstrato Sor ad that we may
sensum, contingit homines dubitare utrum hoc sciunt understand logicians when
esse Sortem, cum hoc existente cum paribus, id quod they say that a
heri viderunt sciunt quod sit Sor, et hoc dubitant. man cannot
10 Certum enim est quod non oportet ad quemcunque know about
ratum habere actum et reflexum, ut alibi probabitur. v. g. the planet Jupiter, without
De significacione autem verbi in actu vel habitu non being able to
fiat controversia, sed concedatur quod idem est diversi- recognize it; or
mode volitum et nolitum ab eodem. Et ex hoc michi a person whom we have seen,
15 videtur quod non sequitur, *hoc est volitum ab isto*, though we
ergo *hoc non est nolitum ab isto*; sed sequitur, iudicio doubt if he be
meo: *tu vis percutere istum, et scis quod iste est* the same.
sacerdos; ergo vis percutere sacerdotem. Nec movet ad We will not
creendum consequiam non valere, quod *tu velles* dispute about
20 *illum non esse sacerdotem*, et *sic percutere illum non* the meaning of
sacerdotem, quia homo multa voluntarie facit que vellet implying
non facere. Licet enim homo scienter percuciet sacer- actuality; what
dotem, unum habet retrahens se a percussione sacer- is at once willed
dotis (quod scit ipsum esse sacerdotem), et aliud and not willed,
25 excitans cum ad percuciendum sacerdotem. Et utroque is so in a
movente ipsius voluntatem ad opposita, puta ad non different manner.
percuciendum istum sacerdotem et ad percuciendum A man may
istum sacerdotem, evidencia forcior movet voluntatem strike a priest,
ad faciendum ipsam, precipere organis scienter ad per- and at the
cussionem sacerdotis; ideo certum est quod habet same time,
30 quamdam volitionem ad hoc, sed non sine volitione knowing he is
opposita. him: here are two motives in opposition, but
There are thus
Et sic ex dictis potest colligi quod regulariter talia two acts of the
verba restricta confundant et immobilitant terminos tam certain, since it
35 distributivos quam non distributivos virtualiter sub- has its effect;
sequentes. Ut non sequitur, *tu distincte scis omnem* the other is
hominem esse; iste est homo; ergo scis istum hominem opposed to it.
esse. Tamen distincte scis naturam esse, et nullam These verbs do
singularem naturam, sed communem sic scis esse; et not render the
40 sic de aliis verbis, restrictis ad significacionem secundum following terms
distributive. Thus it does
knowing a universal, I

2. affm A. 8. ex^ânte A. 9. scit pro sit A. 11. probabiliter A.
17. mea A. 19. vellens A. 22. percutes A. 28. et evidencia A.
38. 39. n₃ pro naturam A.

know all its particulars, unless the sense is restricted to confused knowledge; and et sic in multis accident verbalis diversitas opinandi, in so of the other verbs.

In these matters I may have strayed from the path of my predecessors, either through insufficient understanding of their meaning, or on account of verbal ambiguities.

6. p'ario *pro* prevarico A; *ib.* p'rib; *pro* patribus A.

10

CAPITULUM DECIMUMQUARTUM.

Sequitur de istis verbis *incipit* et *desinit* pertractandum. Of beginning
Ubi primo notandum quod non est possibile quicquam and end.
incipere vel desinere esse, nisi effectum. Illud patet ex Nothing can
5 hoc quod ex equo omnis incepcio vel desicio est gene- either begin or
racio aut corrupcio. Ergo non scit quicquam incipere end, but what
esse vel desinere, nisi generabile vel corruptibile; et is made,
per consequens, nisi effectum; cuiusmodi sunt talia: since both
deus est causa mei; *deus est in tempore*, et cetera imply
10 similia. generation and dissolution.

Unde, ad concludendum ex quo aliquid ens incipet To begin is to
esse, sufficit quod nunc sit effectus et inmediate ante be made now,
instans quod est presens non fuerit; vel nunc non sit and not the
et immediate post instans quod est presens erit. Et instant
15 hoc est quod solet dici: hoc verbum, *incipit*, debere immediately before.
disiunctim exponi per remencionem de presenti et ‘To begin’
acionem de futuro; vel per posicionem de presenti et must, therefore,
remencionem de preterito; ut, si *Sor nunc est effectus et be expounded
non prius fuit*, tunc incipit esse. Vel si non est in by denying the
20 instanti quod est presens, et inmediate post illud erit, present and
tunc incipit esse. Et sic de *desinit*. Si enim quicquam positing the
desinit esse, tunc non est [et] inmediate ante instans past.
quod est presens fuit; vel nunc est effectus et inmediate Or by positing
post instans quod est presens non erit. Et hoc est the present and
25 quod antiquitus solet dici, hoc verbum, *desinit*, debere denying the
exponi sub distincione per remencionem de presenti et past.
posicionem de preterito, vel per posicionem de presenti ‘To end’
et remencionem de futuro. Ut si A nunc non est, et conversely:
inmediate ante instans quod est presens fuit, tunc we either assert
30 ipsum desinit esse; vel si ipsum nunc est effectus, et the past and
inmediate post instans quod est presens non erit, tunc deny the
eciam desinit esse. present, or assert the present, denying the future.

1. Cap. *deest* A. 2. Initial S in blue ink A. 11. *incipere* A.
12. ne pro nunc A. 22. et *deest* A.

But neither God nor any of the eternal truths began to be when the world began, for then they would be made; which is absurd.

These truths are effects only in so far as God keeps them in their essential being. To make is to produce what is not.

Yet it would be false to say that God or any eternal truth was before the world; rather is, since eternity is anterior to that instant, not in time but by nature.

I used to expound such propositions: A begins to be, by: immediately before the present instant A neither is nor was; which would be false of God and eternal truths. Here we must extend the meaning of instant to duration, which is eternal, though not successive.

And this eternally present instant is coeval with the essence of the Created.

The term before may by analogy be thus made to signify priority both of nature and of time. The former method of

Et patet quod, si essemus in primo instanti mundi et temporis, deus non inciperet esse, nec quod homo non est asinus aut aliqua talis veritas eterna inciperet esse deus: in quo non inciperet esse, quia tunc generetur et foret effectus: quod est impossibile. Nec tales 5 veritates eterne inciperent esse, quamvis quodammodo sint effectus in quantum sunt ab alio essencialiter conservata; quia non sunt effectus corruptibiles vel generalibes; de quibus propter famosam significacionem solummodo est locutum. Efficere enim proprie est pro 10 ducere quod non est, vel quod incipit esse. Sed communiter efficere est conservare; ideo etc. Verumtamen

fuit, sed prius est; quia eternitate est ante instans, et iam incipit esse quod prius et ante primum instans 15 talia fuerunt, non tempore, sed natura; sed quod deus in tempore vel in instanti hoc est efficiens, et nunc incipit esse, cum dependeat a tempore vel instanti.

Unde exposui quondam tales propositiones: A incipit esse, per tales negativas: immediate ante instans quod est 20 presens A nec est nec fuit; quod est falsum de deo et ceteris eternis pro primum instanti mundi; quia sicud inmediate ante mundum anterioritate naturali, nunc est verum quod aliqua res creata prius naturaliter est, quam est iam modo vel nunc. Pro quo notandum quod 25 isti termini sunt communes, significantes convertibiliter cum isto termino, in instanti quod est presens, extendo instans ad mensuram mutati esse in motu sensibili continuo, et mensuram quamcunque indivisibilem rei mutabilis, secundum quod hoc, non tempus, am- 30 pliatur ad significandum tempus sensibile et evum. Sic enim eque primo naturaliter sicut est esse rei create, est instans quod est presens; non hoc, sed commune. Patet ergo quod naturaliter est prius instans presens quam quecumque res | creata incipiens esse, ut A 46^a

videtur; cum iste terminus ante possit simul analogice significare prioritatem naturalem et prioritatem temporalem que in eodem instanti est cum suo posteriori. Quare ista proposicio, A incipit esse, non debeat sic exponi; A est in instanti quod est presens, et immediate 40

4. qua A. 4, 5. generaret A. 5. effēs A. 7. effēs A. 7, 8. confūata A. 17. effēs A. 23. anti'ori'te A; ib. nc pro nunc A.

ante instans quod est presens non est vel fuit, ita quod negatur utraque prioritas tam temporis quam nature. Facilior est tamen et famosior exposicio superius posita, et conveniens modo loquendi, quam illa que dicit 5 quod si quicquam incipit esse, tunc nunc primo est vel nunc ultimo non est, et econtra: similiter, si desinit esse, tunc nunc ultimo est, vel nunc primo non est. Nam iuxta hoc non esset rationale idem multis vicibus incipere vel desinere aliqualiter se habere.
10 Tenendo ergo istam primam exposicionem, ordinandi sunt termini secundum quod priores logici docuerunt.

Unde talis proposicio: *Sor incipit moveri*, debet exponi per talem affirmativam: *Sor inmediate post instans quod est presens movebitur*; quia si sic diceretur, *Sor 15 non movetur et inmediate post hoc A instans movebitur*; ergo, *incipit moveri*, non exponeretur proposicio per suum convertibile, cum tamen de ratione exponencium sit quod simul sumpte convertantur cum exposito. Nec valeret consequentia, si pluraliter cum heri fuit 20 antecedens verum, sed consequens falsum, ut suppono. Nec sufficit addere quod *inmediate post presens instans Sor movebitur*; quia cum quodlibet instans erit presens, si *Sor movetur inmediate post instans presens, movebitur*.

Exponenda sunt ergo ista verba modo dicto. Sed 25 attendendum est quod sunt primi termini communes de presenti; quia si non, verificande sunt propositiones secundum exigenciam terminorum, ut superius dictum est; ut si *tunc fuit vel erit ita quod Sor incipit moveri*, tunc *incepit vel incipiet moveri*: et sic de ceteris pro- 30 bandis per resolutionem verbi de preterito vel futuro.

Controversia tamen est, utrum negacio debet postponi isto termino *immediate* vel anteponi, ut in ymaginacionibus communibus, ubi *A inmediate post instans quod est presens tanget A B*; et alii postponunt. 35 Capiatur ergo unum spaciū pedale, cuius una medietas orientalis dividatur in suas partes proporcionales minores versus medium punctum, et sit B nomen commune ad quemlibet punctum alicuius illarum par- 40 primo sit pertransita ab A spacio quod continuabit

exposition is therefore preferable to saying that *to begin* is the first *now* of being and the last of non-being; and that *to end* is the last *now* of being and the first of non-being.

According to this the same being could not have the same mode several times.

Thus, *A begins to be B* should be thus expounded: *A will be B immediately after the present instant*;

if we said: *A is not B and will be B immediately etc.*, it would be impossible to convert this with the other proposition.

There is some doubt as to whether the negation should come before or after the word *immediately*.

A mathematical reasoning taken from movement in space, to prove that the negation ought more probably to be placed before.

5. non *pro nunc A.* 7. non *pro nunc before ultimo A.* 19. *pl'r A.*
20. s' *pro sed A.* 31, 32. *pponi A.* 32. *istum terminum A.* 37. *n^a pro nomen A.*

motum suum uniformem, pertransiendo totum spaciū in hora adequate; et sic nomen commune ad quemlibet punctum paris partis illius diccionis, vel quarte pertransite, terminante ad medium punctum ubi iam est A, tunc videtur iuxta preponentes negacionem quod 5 A tam desinit tangere B quam C, cum tamen per quartam horam precedentem tetigit tam B quam C, et nunc tangit, et inmediate post hoc tanget: sed inmediate post hoc non tanget B, et inmediate post hoc non tanget C; et iuxta preponentes negacionem non desinit 10 tangere B, nec desinit tangere C, cum ista proposicio, A tangit B, sit nunc vera; et tamen inmediate post erit vera. Ideo, ceteris paribus, in principio istius hore fuit futura vera per maius tempus quam per medietatem hore; ergo non desinit | A tangere B, cum nunc A 46^b tangit et continue ante hoc tetigit, et continuabit contactum B ultra hoc instans. Videtur tamen quod A desinit tangere B, quia hoc est ultimum instans durationis integre contactus A et B; Ymo unus qui correspondenter viveret et corrumperetur, inciperet mori. 20 Illa ergo posicio que preponit negacionem est multis probabilior.

If anything begins, its beginning also begins, since it cannot exist in time; if it ends, its end also ends.

Ex quo patet quod si aliquod ens incipit vel desinit esse, ipsum incipit vel desinit incipere vel desinere esse, et universaliter e converso. Si enim quicquam 25 incipit vel desinit esse, tunc incepio qua incipit vel desinit esse; cum nulla incepio vel desicio possit esse temporalis. Sequitur quod illa incipit et desinit esse, et per consequens primum ens datum incipit et desinit incipere esse. Unde, ymaginato quod instans presens sit 30 medium instans huius hore, cuius utraque pars dividatur in suas proporcionales minores versus hoc instans

If we imagine a quod est presens, et quod Sor in qualibet parte pari person, moving to and fro in space, there will be a point where he comes to a stop, and that point will be at once the beginning and the end of movement and of rest.

illarum secundum datam connotacionem quiescat et in qualibet parte impari moveatur motu opposito 2m 35 ymaginacionem, cum in hoc instanti incipit Sor moveri, et in hoc instanti incipit quiescere; et tamen inmediate post hoc incipiet moveri: et sic de *quiescere*. Ymmo cum non movetur et inmediate post hoc movebitur et inmediate ante hoc non movebatur, et tamen incipit 40

2. non *pro* nomen A. 5. proponentes A. 8. post A. 10. pro-
ponentes A. 14. v^{er} pro vera A.

moveri, et desinit non moveri, sicut inmediate ante hoc
desiit non moveri, et inmediate post desinet non moveri.
Et tamen nec est incepcio nec desicio continua, quia
ad talem continuacionem quod per tempus inmediatum
5 ante instans quod est presens, et per tempus inmediatum
post instans quod est presens fuit et erit tempus talis
inceptionis vel desicionis, que sit modo.

Aliter tamen senciunt qui ponunt continuum componi
ex indivisibilibus, ut tempus ex instantibus, lineam ex
10 punctis, superficiem ex lineis, et corpus ex superficibus,
motus ex mutari, et sic de aliis inficienter sumptis; et
aliter hoc negantes. Primum enim dicit quod impossibi-
le est aliquod ens incipere vel desinere esse, nisi per
15 posicionem de presenti; et sic duo instancia erunt
inmedia; sicud duo puncta faciendo quantitatem
discrete magnam, sed nullam continue magnam nisi
fuerint infinita; et isti oppositioni ego adhereo.

Alia tamen opinio est famosior, que dicit quod the other, more
successiva incipient vel desinent esse per remocionem
20 de presenti, permanencia et subita incipient esse per
posicionem de presenti, et desinent esse, aliqua per
posicionem de presenti et aliqua per remocionem de
presenti; ut animatum et inanimatum, naturaliter cor-
rupta per remocionem de presenti et habentia formas
25 extensas, quandoque violenter corrumpuntur more subi-
torum per posicionem de presenti; sed totum illud est
alibi discussum rationibus huic materie.

In ista tamen materia relinquo iuvenibus partem sue
apparencie plus consonam sustinendam, ponens ulterius
30 tanquam rationem quod argumentando a propositione
modali de *incipere* ad propositionem modalem de *desinere*
cum dicto opposito, tenet consequencia et econtra.
Verbi gratia, sequitur: *Iam incipit esse quod hoc est;*
ergo *iam desinit esse quod non est;* et econtra. *Iam*
35 *incipit esse quod nulla chimera est;* ergo *iam desinit*
esse quod aliqua chimera est. *Iam incipit esse quod*
omnis fenix est: ergo, *iam desinit esse quod fenix non*
est. Et sic universaliter de aliis. Tenet autem ista regula
A 47^a per istum conceptum: | necessario cuiuslibet contra-
40 diccionis alterum est verum et non utrumque: ideo ad
inceptionem unius partis sequitur desicio alterius; et
econtra.

Two contrary positions, one (Wyclif's)
affirming that the Continuous
is made up of indivisible parts, because every beginning or ending is something separately present;

things begin or end by negation of the present, and permanent things begin by affirmation of the present, and end by an affirmation or a denial.

I leave my scholars free to choose which side they think best.

From a proposition of beginning to one of ending (and vice versa) with an opposite signification, the consequence holds good. If A begins to be B, then A ceases to be not B, etc., for of two contradictories one must be, and both cannot be, true.

But sometimes
'to begin' and
'to end' are
modal terms
and sometimes
they merely
form a
categorical
proposition.

Either *It begins*
to be true that

A is B, or
A begins to
be B.

The preceding
rule is absolute
in the former
case.

In the latter,
every

categorical with
the verb *to*
begin infers

another with the
opposite

predicate and
the verb *to end*.

But we must
take care that
the opposite of

the verb
following to
begin or *to end*

is taken, not
the latter part
of the

predicate only.

It is thus seen
that *to begin*

must be
expounded
either by

denying the
present and
affirming the

past (as when
the predicate is
negative) or by

positing the
present and
denying the

past; and
conversely for

to end.

But can we say
that, at the

Creation, all
things,

beginning to be,
came to an end

of not-being? or
that, were God

to annihilate
all things, they

would begin not
to be?

Sed notandum quod isti termini, *incipit* et *desinit*, tenentur quandoque modaliter, ita quod dicta terminent ipsos vel equivalenter; et quandoque componunt propositionem mere *de inesse*. Exemplum primum est tale: *iam incipit esse ita quod omnis mula currat*; exemplum 5 2*i* est tale, *incipit omnis mula currere*, quod tantum valet quantum ista: *omnis mula incipit currere*, ut prius dictum est in consimili; et de primo modo proposito *de inesse* tenet regula. Sed quo ad secundum modum, potest regulariter observari quod omnis pure kathegorica 10 cuius tale verbum *incipit* est copula principalis infert kathegoricam de subiecto consimili et predicato opposito, cuius tale verbum *desinit* est copula, et econtra; ut sequitur: *omnis mula incipit esse*, *ergo omnis mula desinit non esse*. *Nemo incipit esse albus*: *ergo, nemo 15 non desinit esse albus*. Et sic de similibus. Sed cavendum est quod capiatur oppositum verbi et non solum oppositum termini qui est pars predicati; ut non sequitur; *omnis homo incipit esse currens*, *ergo omnis homo desinit esse [non] currens*; sicud patet, posito quod multi incipientes esse incipient currere; sed bene sequitur quod *omnis homo desinit non esse currens*.

Et ex hoc patet per modalem correspondentem, quod hoc verbum, *incipit*, est exponible nunc per remacionem de presenti et per posicionem de preterito, sicut hoc 25 verbum *desinit*; ut patet de ista, *Sor incipit non esse*, et nunc per posicionem de presenti et remacionem de futuro; ut patet de tali, *iste lapis incipit non esse*; et contra de *desinit*. Ymmo, ut breviter dicam, quecunque exponentes exponunt hoc verbum *incipit*, sunt expositive 30 huius verbi *desinit*, terminati dicto vel predicate opposito; et econtra.

Dificultas tamen est de incepcione temporis et desicione temporis; videtur enim quod omnis creatura in primo instanti mundi desinit non esse, si sit, et incipit 35 esse. Et sic, si deus adnichilaret omnem creaturam, tunc quelibet inciperet non esse; cum tamen omnis desicio sit respectu temporis futuri. Ideo dici potest quod gracia materie tenent consequie supradicte;

1. nondum A. 5. ullā *pro* mula A. 6. ullā *Ero* mula A.
7. nā *pro* mula A; tb. *incipit currat* A. 8. propositum A. 9. mo^m
pro modum A. 20. non *deest* A. 24. nc̄ *pro* nunc A. 30. expositē A.
37. quilibet A. 39. t3 que supradicē A.

quia iam est impossibile quod quelibet creatura inciperet vel desineret esse. Conceditur tamen quod ista verba sic significant sicut expositum est. Unde, ponendo continuum componi ex non quantis exponeret ista verba 5 altero istorum modorum; si ens incipit, incipit esse; tunc est effectus, et in instanti proximo preterito non fuit; et econtra; si vero desinit esse, tunc est effectus et in instanti proximo futuro non erit, et econtra. Vel aliter, per ista adverbia *primo* et *ultimo*; quia omnis 10 incepicio dicit principiacionem vel iniciacionem rei, sicut desicio dicit eius terminacionem. Unde, primo resolvi propositionem exponendam per tale verbum in rem verbi principalis, et tunc probare propositionem expositorie, modo indiffinitarum. Verbi gracia, si *Sor* 15 *incipit esse albus*, tunc *albedine integra nunc primo est albus*, et econtra. Si *Sor incipit currere*, tunc *cursu integro nunc primo currit*; et econtra. Si *incipit esse*, tunc *duracione integra nunc primo est*. Et sic de 20 *desinere*. Et proposui talem terminum, significantem actum verbi sequentis, quia aliter sequeretur quod nichil possit bis incipere currere, vel loqui; et sic de ceteris. Addidi eciam istum terminum, *integra*, ad excludendum significatum verbi, quod est pars alterius 25 consimilis speciei; quia alias sequeretur mobile continue *incipere moveri*; et sic de aliis. Et illud videtur michi brevius et facilius, supposito fundamento, quam exponere per ita longas exponentes.

Ex istis autem expositionibus, ut ex primis, secuntur aliique regule et conclusiones declarande. Prima regula, 30 quod si aliquod ens habebit aliquam denominacionem, cum hoc quod non habeat modo talem, ipsum incipit vel incipiet habere talem, sive fuerit denominacio ab soluta sive denominacio respectiva; ut: si *Sor erit tantus* *quantus erit Plato* et *nunc non est tantus*, tunc *incipit 35 vel incipiet esse tantus*. Si *A erit inmediatum B*, et

But such consequences hold good only when the matter is possible, and in these cases it is not, though the verbs mean here as elsewhere. Those who admit time to be made up of instants would explain beginning and ending thus: *beginning*: a thing is now, and was not the instant before; *ending*: a thing is now, and the next instant will not be. Or by first or last being or not-being. Thus: a person begins to be white, i. e. he has the entire quality 'whiteness' now for the first time.

I affirm the act of the second verb as taking place, and add entire, to deny that 'beginning' brings any essential difference.

Rules: 1. If any quality will belong to any subject that has it not now, it begins or will begin to have them.

2. *Con^r A.* 30. *hⁱbⁱt A.* 31. *m^o pro modo A.*

11. All this is extremely important, as will appear later in Logica, Third Part. 32. *Incipit vel incipiet*. I have difficulty in reconciling these words with those above, affirming that to begin is to *have* the entire quality now for the first time. Here on the contrary, Wyclif says 'cum hoc quod modo non habeat talem'. Very likely the solution is to give *habeat* the usual, not the inchoative meaning.

nunc non est ipsum, incipit vel incipiet esse sibi immediatum; et sic denominacione negativa. Unde in communibus casibus, si non est dare instans pro quo erit ita quod Sor est tantus, quantus erit Plato, tunc Sor non erit tantus, quantus erit Plato; et sic de aliis proposito-5

2. If a subject has or has had a quality which it never had before, it begins or will begin to have it.

There must be one last instant in life, when a man has been as old as ever he was.

Secunda regula est talis. Si aliquod ens habet vel habuit aliam formam denominantem quam prius non habuit, ipsum incipit vel incipiet esse taliter informatum; ut si *Sor fuit ita senex sicud fuit*, tunc *incipiet 10 esse ita senex sicut fuit*. Unde *nemo fuit ita senex sicud fuit*, nisi aliquod fuerit ultimum eius instans. Nec *virtuosus fuit ita bonus sicut [fuit]*, posito quod crescat in virtute et bonitate usque ad primum instans *non esse* eius, nisi forte aliquod fuerit ultimum instans eius; et *15 sic de ceteris*.

3. If a subject is to lose a quality which it now has or has had before, it either ends or will end the having of that quality.

If a person will not be during two instants and was during two instants, then he will end his being

during two instants: this is the conclusion of such as do not admit time to be made up of single instants.

They make things begin and end, not in one instant but in an infinite multitude;

some, however, deny this.

4. If any subject has (or desinat vel desiit esse taliter informatum. Et patet quod had) not the quality it had before, it ends or has ended, as regards that quality.

God's lordship is everlasting, but his being is

Tertia regula, si aliquod ens aliquando non erit informatum sicut ipsum modo est vel prius fuit, ipsum desinat vel desinet esse taliter informatum, extendendo hoc nomen, forma, ad quacunque formam substantialem vel accidentalem: illud patet ex descripcionibus terminorum et regulis prioribus. Ut, si *Sor aliquando non erit in duobus instantibus et prius erat in duobus instantibus, ipse desinat vel desinet esse in duobus instantibus*; saltem secundum negantes continuum componi *25 ex indivisibilibus*. Unde, quantumcunque res permanens fucatur, continue desinat et continue incipiet esse in infinitis instantibus; non una incepione vel desicione continua, sed infinitis; quamvis aliqui illud negant, dicentes quod 2^a exponens erit talis: *immediate post 30 instans quod est presens, erit ita quod est in tot instantibus*. Et hii concedunt quod *omne album, quandocunque fuit, fuit album*; et sic de ceteris. Standum est ergo probabiliter prime exposicioni.

4^a regula, si aliquod ens non sit vel fuerit aliqua-35 liter informatum qualiter ipsum prius fuerit, ipsum

4. If any subject has (or desinat vel desiit esse taliter informatum. Et patet quod had) not the quality it had before, it ends or has ended, as regards that quality. Ymmo, prius naturaliter est dominus *vel non 40*

13. *fuit before* posito *deest* A. 27. *fucar pro* fucatur A. 34. *exponi* A.

38. *dno* A. 39. *post pro* prius A. 40. *p'us* A

dominus, quam est dominus: sed nec prius naturaliter est dominus quam est dominus, nec prius naturaliter est dominus quam est [non] dominus. Falsum est ergo quod in eternitate est non dominus; nec sequitur, in 5 eternitate non est dominus et in eternitate est; ergo, in eternitate est non dominus. Sed de hoc sufficiens pro hoc loco. Conclusiones sunt multe; ut, *Sor incipit scire tres proposiciones, sed non incipit scire aliam vel alias; ymmo, solum unam incepit scire*, posito quod Sor nunc 10 solum sciat tres proposiciones quarum tertiam incipiat scire et duas continue scivit et continue sciet; et patet A 48^a conclusio. | Unde, si incipit scire unam, incipit scire duas, incipit scire alias; sed hoc non sequitur de ulteriori termino naturali, quia stat quod continue ante 15 hoc scivit duas, et continue post hoc sciet duas, et nunc sciat 3^s. Et ideo non, si incipit scire 3^s, incipit scire alias magis, vel perinde cum aliis terminis numeribus.

2^a conclusio; Sor incipit scire tantum duas 20 proposiciones, et tamen incipit scire mille, posito quod nunc primo sciat duas et quod post hoc inmediate sciet mille cum illis; et patet conclusio. Ymmo, in casu isto, Sor desinit solum scire duas proposiciones, et tamen nichil desinit scire. Ymmo, in casu possibili non 25 solum duas, sed plures quam mille incipit scire; et tamen nec scivit nec sciet plures quam mille, posito quod duo e contra propositionum incipient sciri ab illo, et quod erit ita quod scit plures quam mille. Unde Sor non solum incipit scire duas proposiciones, quamvis 30 solum sit incipiens scire duas. Et patet quomodo est possibile Sor desinere scire decem et tamen solum unam, solum duas (et sic de quotlibet usque ad decem inclusive) desinere scire in diversis casibus.

3^a conclusio: Sor incipit videre omnem hominem, et 35 ipse nichil incipit videre, posito quod continue videat se et tres alias, sic quod nichil incipiat vel desinat

anterior to his lordship.
He is naturally Lord-or-not-Lord;
but neither lordship nor not-lordship is prior in Him.
We cannot, therefore say
that in eternity,
before creation,
He was not-Lord.

Corollaries.
First. To begin one thing may imply the beginning of many others that follow; but it is not itself that beginning.

Second. If two things only begin to be known, and immediately afterwards a thousand others with them, this thousand begins to be known with the first; so also of ending.

Thus a person is actually beginning to know only those two, and yet he begins potentially to know many others.

Third. Suppose that a man sees at a given instant only himself and three

1. p⁹A. 2. p^{us}A. 3. non deest A. 10. tercia A. 19. cō^o
pro conclusio A; ib. So^rA. 27. e^g pro e contra A. 30. scit pro sit A.

7. I confess that there is a great deal in these corollaries which I have not understood. In the side notes, here and elsewhere, I have given that part of the sense which seems most reasonable.

others; that a fifth man at that very instant ceases to exist and that there are no other men but these; the first man begins to see all men, but by accident. videre, sed quod immediate ante hoc fuit quintus homo non visus qui iam desinat esse, et non sunt homines nisi quatuor quos videt: et patet conclusio. Unde, in casu isto, nullius visionis est incepcio, sed illius veritatis, que est *videre omnes homines*; sed per accidens, cum stat eandem visionem collectivam nunc esse visionem omnium hominum. Unde querenti quod ens incipit esse, dicitur quod hoc ens: *ista quatuor sunt omnes homines*, incipit esse: et exinde, simpliciter loquendo, quod *Sor videt omnes homines* incipit esse. Et patet quod non est possibile unum ens incipere vel desinere esse, nisi infinita encia et incipient et desinant esse.

Fourth. If A, being in motion, moves, now slower, now faster, according to a fixed standard, continually increasing its speed and slowness, we must conclude that it will move infinitely fast and slow;

but not that this will happen at any time, or part of time, or instant.

Some say that infinite speed and slowness is imaginable and may take place in a given time.

They suppose an infinite series of moving bodies, each member of the series moving faster and slower than the preceding one,

Quarta conclusio: infinitum velociter hoc A movebitur, et infinitum tarde hoc idem movebitur. Et iam quiescat, et immediate post hoc quiescat; et tamen nec infinitum tarder nec infinitum velociter incipit vel incipiet moveri, posito quod A sit unum mobile quod in 2^a medietate istius hore movebitur uniformiter, gradu ut duo; que medietas sit prima eius pars proporcionalis, et in 2^a parte proporcionali remittat motum A, gradu ut duo, usque ad duo gradum; in tercia quiescat, et 4^a moveatur uniformiter gradu ut quatuor; in 5^a remittat usque ad duo gradum; in sexta quiescat; in septima moveatur uniformiter, gradu ut 8; et sic continue. Tunc posito quod nunc sit principium hore, patet conclusio; nam nichil preter infinitum velociter vel infinitum tarde inmediate post hoc moveri; nec aliquid potest sic velociter vel sic tarde incipere moveri. Unde, non sequitur: *infinitum velociter hoc A movebitur; ergo aliquando infinitum velociter movebitur*, quia non in aliquo tempore, vel in aliqua eius parte, vel in aliquo eius instanti.

Et hoc tollit multas conclusiones in ista materia, que concedunt quod infinitum velociter et infinitum tarde incipit hoc moveri in casu positivo; et ita concedunt in casu ymaginabili quod aliqua sunt infinita mobilia | 35 et quodcumque illorum proporcionabiliter, ut incipit A 48^b velocius moveri, incipit ipsum tardius moveri, et econtra. Ut dividatur hora cuius hoc est primum instans in partes proporcionales minores versus hoc instans, et sint infinita mobilia, quorum primum per primam 40 partem moveatur gradu ut 1, per 2^{am} gradu sub 2^{pl}o,

7. querent A. 38. homo vro hora A. 40. sunt A.

per 3^{am} gradu ut duo, per quartam gradu sub duplo ad illum quo movebatur per secundam: et sic in infinitum. Et duplet 2^m mobile primum in qualibet parte inpari et velocitate, et duplet ipsum in qualibet parte 5 pari in tarditate. Et sic de quotlibet mobili posteriori quo ad proxime precedens. Et tunc probant conclusionem per hoc quod quotlibet istorum infinitum tarde incipiet moveri, et infinitum velociter incipit moveri; et tamen infinitum velocius incipit aliquod istorum moveri primo 10 mobili et infinitum tardius incipit aliquod istorum moveri primo vel quoconque reliquo assignando.

Sed videtur michi quod propositiones sumpte in probacione sunt negande, quia non est dare gradum velocitatis vel tarditatis qua aliquod istorum incipit 15 moveri; ergo non est dare proporcionem in quam unum velocius reliquo incipit moveri. Ideo nullum istorum infinitum velociter vel infinitum tarde incipit moveri. Conceditur tamen quod 2^m incipit in 2^{pl}o velocius moveri primo, et incipit in duplo tardius moveri primo, sed non 20 quam primum; nec tardius nec velocius incipit moveri quam primum. Nec oportet, si infinitum velociter vel infinitum tarde hoc movebitur, quod aliquando erit ita quod infinitum tarde vel infinitum velociter movetur, quia iste terminus, *infinitum*, confundit tempus verbi. 25 Ideo refert dicere: *hoc movebitur in infinitum velociter, et in infinitum velociter hoc movebitur*. Conceditur tamen quod, si Sor pertransibit B spacium, quod aliquando erit ita quod pertransit illud, cum idem sit *pertransire et esse in pertransiendo*. Et sic, si erit per horam, ali- 30 quando erit ita quod est per horam. Unde, concedentes quod *Sor ante finem infinitum velociter movebitur, sed in nullo instanti, habent concedere multas conclusiones similes iam narratis,*

Multa autem alia sunt sophismata in terminis com- 35 parativis, de quibus post modum: ut sunt talia, *Sor incipit moveri aliquo gradu intensionis*, videlicet quatuor: in quo casu concedunt quidam quod Sor incipit velocius moveri quam ipsem et incipit moveri, cum tamen incipit infinitum tarde moveri; sed infinitum velocius moveri 40 Platone, qui incepit a non gradu intensionis et a non gradu motus moveri, sicut infinitum velocius illo incipit

5. mo^{ll} pro mobili A. 6. plit pro probant A. 35. mom A.
36. vel pro videlicet A.

according to a fixed ratio;
the first varying in speed during every indivisible part of an hour, each of the others will begin to move infinitely fast and slow; and one of them will begin to move infinitely faster and slower than the first.
But I think that the assumption: i. e. the assigning of a ratio of speed for the beginning of movement, ought here to be denied. Yet the second member of the series begins to move, say, twice as fast and as slow as the first in different senses (*primo*, sed non *quam primum*). And as the Infinite confounds all tenses, we cannot conclude that an infinitely quick motion will take place at any given time.

There are many other subtle arguments in this matter: v. g. that if A begins to move with a speed = 4 and B with a speed = 0, A begins to move infinitely faster; but this may be denied.

moveri. Sed ista credo probabiliter posse negari. Concedo tamen primam conclusionem negativam, si non est dare *instancia* immediata; quia aliter sunt tales casus impossibiles.

These verbs allow of no distribution of the terms after the verbs that follow them. Thus we cannot conclude, from the beginning of an act concerning a universal, to the beginning of one concerning the particular.

Ex istis dictis elicere potes consimiles conclusiones, 5 et perpendere quod ista verba tam inmobilitant terminos distributos quam non distributos, sequentes verba suorum dictorum. Ut non sequitur: *Sor incipit scire*; nec sequitur: *tu incipis videre omnem hominem*; *iste est homo*; *ergo incipis videre istum*. Et sic de ceteris. Sed bene sequitur, 10 *iam incipit omne quod est esse*; *ergo, iam incipit hoc esse*, et sic de ista; *iam incipit esse omne quod est*; quia utrumque est idem cum isto: *omne quod est incipit esse*, ratione congruitatis, ut dictum est. Quandoque tamen gracia terminorum tenet consequentia cum istis 15 verbis ab inferiori ad suum superius. Et tanta de istis verbis sufficiat pro presenti. Sequitur capitulum. |

17. Sequir^r cap^m in *textu A.*

CAPITULUM DECIMUMQUINTUM.

A 49^a Sequitur de istis duobus terminis, *per se* et *per accidens*, pertractandum. Ubi primo notandum quod uterque istorum terminorum potest sumi kathegorice vel sinkathegorice. Kathegorice, quando significant pro singularibus suorum primo significatorum; ut, *homo per se est albus*, quia ipse causa sue albacionis, et *superficies est per accidens quanta*, quia per se est quanta et ipsa est accidens. Sed sinkathegorice sumendo terminos, faciunt sensum compositum et divisum, et habent certas exponentes, ut post docebitur.

Secundo, notandum quod iste terminus, *per*, potest significare circumstanciam cause, ut hoc: *omne causatum est per deum*. Aliquando circumstanciam loci vel temporis, ut *Sor transivit per istam viam et duravit per illud tempus*. Aliquando, circumstanciam iurandi, ut: *per deum ego sic feci*; quod tantum sonat; *invoco deum in testem quod sic feci*. Et aliquando significat negative exclusionem cause alterius ut, *deus est per semetipsum*; hoc est, *deus est et non per aliam causam*.

Tercio, notandum quod 5^r dicitur ens *per se*; vel includendo omne per se existens in genere; ut sic, omnis substancia, quantitas, qualitas, relacio, accio, passio, habitus, est per se ens. 2^o excludit inherenciam accidentalem a per se existente in genere; et sic omnis substancia est per se ens. 3^o excludit parcialem inexistenciam: et isto modo omnis substancia integra est per se ens, et non pars substancie. 4^o excludit causam materialem et formalem; ut intelligencie; sed quinto modo excludendo omnem causam: ut, solum deus est per se ipsum: *Per accidens* potest intelligi tot modis quot modis dicitur accidens; ut aliquod est accidens separabile, et aliquod

Of what is *per se* and *per accidens*.
Remarks.
1. That these terms are sometimes categorical, sometimes syncategorical.

2. That *per* may signify either a causal, or a local or temporal condition, or serve to express an oath, or indicate the negation of another cause.

3. That a thing is called *per se*, either as belonging to a genus, or as a substance,

or as a complete individual, or as an intelligent being, or as the uncaused Being. *Per accidens* may be understood in as many ways as *accident*.

1. Cap. *deest* A. 2. *Initial S in blue ink* A. 10. *fānt* A. 27. et sic isto. 29. *isto pro* quinto A.

Some accidents, inseparabile. Separabile est accidentis quod possibile est,
 v. g. are secundum aliquod eius individuum, deesse subiecto cui
 separable, prius infuit; ut albedo. Accidentis inseparabile est quod
 some secundum nullum eius individuum potest deesse; ut
 inseparable; simitas, et ceterae passiones. Unde videtur esse falsum 5
 not that any quod accidentis potest separari a subiecto, cum separacio
 can be really requirit existenciam separatorum; sed deesse potuit
 separated, subiectum et carenciam illius quod infuit. Ideo credo
 but their quod philosophi sic loquentes concederunt quod accidentis
 subjects may universale separatur a tali subiecto, dum fuerit in ali- 10
 fail, or they quo; sed, postquam fuit in illo, non sit in illo secundum
 themselves. A universal aliquod eius individuum. Quia tamen grave est describere
 accident may universali descripcione que non competit cuilibet eius
 thus be separated from its individual, but not as individualized. All accidents
 that can be absent, and only such, are separabile; and conversely of
 those inseparable;
 but some, separabile from individuals, are inseparable from the species.

To expound a syncategorical proposition with *per se*, we take a universal causal proposition, and another negative possible, each having the same terms.
 A is B *per se*; i. e. A, because it is A, is B; and no A can be not-B. It is thus necessary that

Sumendo ergo istum terminum *per se* sinkatégorice, debet proposicio racione illius termini exponibilis exponi 30 per universalem affirmativam de causali et per negativam de possibili et communicantes in extremis cum proposicione principaliter exponenda; ut si *per se homo est risibilis*, tunc *omnis homo, quia homo, est risibilis*, et *nemo sub aliquo gradu homo potest esse non sic risibilis*; et econtra. Et sic, quandocunque predicatur | genus, differencia, vel proprium de sua specie vel in dividuo, est *per se* predicacio per previam particulam. Patet quod non *per se homo est animal*, quia tunc omne animal esset homo; et per eandem patet quod non *per 40*

4. solum *pro secundum* A. 9. *cederunt* A. 10, 11. *a' o pro*
aliquo A. 11. sunt *pro secundum* A. 17. *est deest* A. 27. *aut* A.
 32. et *pro in* A. 38. *picio* A. 40. *peandem pro* per eandem A.

se homo risibile est, quia tunc aliquid, quia esset risibile, esset et homo. Et per 2^{am} patet quod non per se homo est quantus, quia tunc proporcionabiliter sibi correspondent humanitas et quantitas; et per consequens, 5 necessario omnis homo est eque magnus cum alio. Si autem ista exposicio sit minus nota quam racio speciei vel proprii, arguatur quod *A per se est B*, per hoc quod *B est per se superius, vel passio A.*

Sunt ergo duo tales modi predicandi per se: vel per 10 se *primo* vel per se *secundo*. Per se primo, quando genus vel differencia per se predicatur. Per se secundo, quando passio vel proprium per se predicatur. Et ad expositorie concludendum aliquid per se primo inesse alteri, debet addi ad universalem affirmativam illam terminus *de 15 essentia* vel *formaliter*; ut si *omnis albedo de essentia sua sit color*, et *nulla albedo, sub aliquo gradu potest esse non sic color*; tunc *per se primo albedo est color*. Genus enim et differencia sunt de essentia sui inferioris, quia sunt priores, ingredientes eius compositionem quid- 20 ditativam. Sed per se secundo homo est risibilis, susceptivus discipline, etc: quia per se est talis; et prius naturaliter est homo quam talis. Et utraque divisio capit subdivisionem, cum aliquid potest inesse alteri per se, primo, et *immediate*; ut [per se primo et immediate] homo 25 est animal sed non corpus vel substancia; quia ex hoc est corpus vel substancia quod est animal, et non est genus nisi propinquius, consequentia: animal. Ideo per se primo et immediate est homo animal. Et confor- miter est homo per se secundo et immediate risibilis, 30 sed per se secundo erit immediate susceptivus discipline, cum bruta sint disciplinabilia. Quandocunque ergo aliqua passio convertitur cum suo subiecto, tunc illud est eius subiectum primum et per se 2^o immediate sic passionatum; ut triangulus rectilineus est primum subiec- 35 tum 3^a angulorum equalia duobus rectis; sed isosceles est subiectum secundarium huiusmodi passionis.

Proposicio racione illius termini *per accidens* exponenda debet exponi per suam preiacentem et per affirmativa de possibili que in predicato communicent

the predicate
be an
essential part
of the
subject;

at least when
the predication
is primary;
when
secondary, it
may be a
property of or
a happening to
the subject.
In the first
place the
expository
clause
(because...) amounts to
essentially,
for genus and
difference
belong to the
essence of
inferior
concepts.

In the second
place, the
predicate does
not need to be
an essential.

Another
subdivision:
what is or is
not *per se*
immediately,
as: man is more
immediately
an animal than
substance,
though both
are equally
essential.

The subject
thus predicated
is either
primary or
secondary, etc.

Propositions,
containing *per
accidens*, are to
be expounded
i. by a
prejacent: i. e.
the same

5. que *pro eque A.* 9. probandi A. 14. item A. 24. ut — im-
mediate *deest A.* 27. *qua pro consequentia A.* 30. immediate? A.
32. *quatr^r A.* 33. 2^o (etc.?) A. 35. 3^a angulor^r A. 37. Pro^o A.

proposition preiacenti; ut, si homo est quantus, et taliter quantum minus the per potest esse non sic quantum, tunc per accidens homo accidentis; ^{2. by} another est quantus; et dicit iste terminus, *taliter*, speciem affirmative 'possible' quantitatis, et iste, *sic*, gradus speciei. Unde, eo ipso proposition. *A is B per* quod aliqua species vel individuum alicuius generis ⁵ *accidens*; i. e. *A is B, and A* fuerit accidens, ipsum est accidens; ut, quia quantitas *may be not B* mea est michi accidens, ideo quantitas cuiuscunq[ue] *thus and to this* partis celi, cum sit cuisdem speciei, est sibi accidens; extent; the two non quod possit separari ab alia parte, sed (quia taliter last words introduced to express the kind and intensity of the quality predicated. ¹⁰) quantum) potest esse non ita quantum; et sic de caliditate ignis, et ceteris accidentibus inseparabilibus.

So every predication of an accident to a substance is per accidentes; ¹⁵ so of two different orders of individuals; v. g. a *musician* builds *per accidentes*, but a *builder* builds *per se*; because *builder* and the *act of building* are in the same order of ideas; but not *musician* and *this same act*. Et patet quomodo omnis predicacio denominativa alicuius predicati accidentis de substancia est predicacio per accidens. Ymmo, predicacio unius concreti de alio concreto alterius ordinis est predicacio per accidens; et ²⁰ in talibus dicunt auctores accidens accidere accidenti; ut *per accidens musicus edificat*, sed *per se edificator* *builds* intelligendo istum terminum, *edificat*, ut dicit *builder* aptitudinem ad edificandum. Nam omnis edificator, quia talis, est edificatus; et non stat quod sit edificator, nisi sit proporcionabiliter edificatus. Ideo *per se edificator* est *edificatus*. Sed *musicus est edificatus*, et possibile est musicum non esse proportionaliter edificatum; ideo *per accidens musicus edificat*. Et sic respectu terminorum accidentalium debet secunda exponens sumi in sensu ²⁵ composito; | et aliter non. Et ista dicta plus saperent A ⁵⁰ logicis et methaphysicis quam sophistis

It is, therefore, clear i. that *per se* and *per accidentes* are not opposed, if taken in different senses.

In one sense everything created is *per accidentes*. They even imply each other in many respects; as a body is felt *per se* (since it is its nature) and yet *per accidentes* (by its colour, etc.). Ex istis patent multa; primo, quod, sic isti termini, *per se*, et, *per accidentes*, sumpti equivoce non sunt oppositi. Nam omnis substancia, sive omnis res creata, ³⁰ *per accidentes* est quicquam est, quia *per conservacionem dei*, que est sibi accidens, cuius ipsum tempus sit accidentis; ita quod isti termini *per se* et *per accidentes* in multis mutuo se inferunt in substancia, ut substancia modalis est *per se* ³⁵ sensibilis, saltim si est *predicacio passionis* de suo subiecto; et tamen est sensibilis *per accidentes* sibi, ut puta *per colorem*, vel aliquam qualitatem sensibilem. Et illa qualitas est *per se* primo modo sensibilis, quia de natura sibi essenciali [habet] dispositionem propinquam ut senciatur.

40

3. dicit A. 19. qui A. 28. si *pro* sic A. 32. *1^a pro* tempus A.
39. habet *deest* A.

2º patet quomodo isti termini, *per se* et *per acci-* 2. That they are
dens, sinkathegorice sumpti, respectu eiusdem deter- opposed in a
minabilis opponuntur, ut si *per se homo est rationalis*, since the second
tunc *non potest esse homo nisi fuerit rationalis*; et si *per* exponent of the
5 *accidens homo sit rationalis*, tunc *potest esse non ra-* one is a denial
cionalis. Unde non *per se* corpus compositum ex forma of the other, an
et materia est quantum, quoniam ipsum potest esse non affirmation of
quantum, ut communiter tenetur; vel saltem non pro- possibility.
porcionabiliter, ut est corpus, est quantum. Nec *per se*
10 talis substancia similatur alteri impertinenti, cum talis So, as a body
alteri assimilatio potest esse non sibi assimilata. Videtur may be without
tamen michi quod omnis res causata *per se* est causata,
conservatur, dependet, etc. cum cuiuscunque talis quantity as is
communis passio sit causari, dependere, etc. believed, it is
not *per se*.

15 3º patet quomodo *per se* predicacio et *predicacio per* 3. That
accidens sunt in multis passionibus differentes. Primo predication *per*
quod omnis affirmativa de per se infert universalem *se* and *per*
affirmativam, sed non *omnis* talis *per accidens*. Unde *accidens* differ
20 *bene sequitur: per se medicus sanat; ergo omnis medicus* in many things.
sanat, sed non sequitur: *per accidens musicus sanat; ergo* The first infers
omnis musicus sanat. 2º differunt in hoc quod nulla a universal affirmative; not
talis per se, habens subiectum positivum, est vere deter- so the second.
minabilis dicto vel termino negativo; ut hec est im- properly
possibilis: *per se homo est non asinus, per se non currit,* determined by
25 etc. Sed proposicio de *per accidens* bene recipit; ut a negative
per accidens homo non sedet, per accidens non scit logicam, term; the
etc. 3º differunt in hoc quod talis proposicio de *per se* other is.
solum finitas determinaciones recipit; sed talis proposi-
cio de *per accidens* recipit infinitas, eum eidem insint
30 infinite passiones, tunc eidem infinite *per se* predicaciones. The first has
in sunt, quia tot sunt genera, differencie, vel passiones only a limited,
alicuius subiecti, precise tot *per se* predicaciones recipit; sed the second an
et quot accidentia eidem accidentunt, tot predicaciones unlimited
per accidens recipit. Et certum est quod nulli posset number of
35 unum *accidens* accidere, nisi sibi accidenterent infinita. There are but a
in sunt, quia tot sunt genera, differencie, vel passiones limited amount
alicuius subiecti, precise tot *per se* predicaciones recipit; differences, and
et quot accidentia eidem accidentunt, tot predicaciones an endless
per accidens recipit. Et certum est quod nulli posset number of
accidentes.

Quarto, patet quomodo non *omnis* *predicacio* est *per* And 4. that
se vel *per accidens*; nam *homo est homo*, et nec *per* there are some
se nec *per accidens*; *animal etiam est homo*; et tamen predications
nec *per se* nec *per accidens*; et *de necessitate homo* which are
40 *est non asinus*, et tamen nec *per se* nec *per accidens* neither *per se*
homo est non asinus, parvus, parum bonus etc., cum nor *per*
accidens;

2. sinkathegorica A. 19. *musicus pro medicus before sanat A.*

nullus terminus infinitus vel privativus sit genus, species, especially where the predicate is transcendental, unless *per se* has another meaning. nullus terminus infinitus vel privativus sit genus, species, diferencia, vel passio respectu termini positivi. Et sic est de tali: *homo potest esse, homo intelligitur*, et (ut videtur) de talibus; *homo est*. Nam transcendens et eius passiones non videntur predicari per se. Quod si 5 ipsum equivoce vocetur genus, tunc *per se foret homo ens, unum, intellectum, potens esse, verum*; et sic de ceteris passionibus entis. Sed hec responsio est preter vim vocis.

These principles give the key to many difficulties. Examples.

Both of these terms give the following words a confused supposition; but *per se* renders the one immediately following universal; and *per accidens* not so. Nor does this follow: *per se A is B; every B is C*; therefore, *per se, A is C*. *Per se* should in such cases be repeated in the minor.

Every proposition with *per se* implies a reduplicative, a conditional and a necessary proposition: *Per se A is B; in so far as anything is A, it is B; if A exists, it is B; and: A is necessarily B*. Propositions with *per se* are to be opposed by *non*.

Et ex iam dictis patet quomodo sophisticandum est 10 cum istis terminis, *iam per se album est coloratum, sed nullum album est per se coloratum; rationale per se est animal, sed non per se rationale est animal; per se hoc est homo, et hoc per se est homo*. | *Hoc, album A 50^b per accidens, est album, sed non: per accidens hoc 15 album est album*. Unde uterque istorum terminorum, faciendo sensum compositum vel divisum, confundit terminum tam immediate quam mediate sequentem. Sed iste terminus, *per se*, mobilitat terminum inmediatum mobilem, et non iste terminus *per accidens*: Unde non 20 sequitur, *per se edificator edificat, iste est edificator, ergo iste edificat*. Sed in terminis accidentalibus non sequitur conclusio cum tali determinacione *per se*, sicut sequitur in terminis specialibus. Nec sequitur a parte predicati, si *per se homo sit animal et omne 25 animal sit quantum*, quod *per se homo sit quantus*, sed bene sequitur quod *homo sit quantus*. Et capiendo minorem de *per se*, sequitur conclusio de *per se*; ut si *homo per se est animal, et per se animal est corpus*, tunc *per se homo est corpus*. 30

Et patet quomodo ex omni tali proposizione de *per se* secuntur reduplicativa vel talis condicionalis, et proposicio de necessario; ut si *per se sapiencia sit bona*, tunc: *in quantum aliquid est sapiencia, illud est honum*; et per consequens; *si est sapiencia, ipsa est bona*. Et 35 *de necessitate, sapiencia posita, ipsa est bona*. Patet etiam quomodo danda est contradiccio in proposicionibus de *per se*, preponendo negacionem: ut, *non per se homo currit*; quod est necessarium. Sed hoc est impossibile: *per se homo non currit*. Et patet ultimo quomodo tales 40 proposiciones debent probari secundum ordinem termini-

10. sophisticandum A. 29. homo est before animal A; ib. ipse pro et per se A. 38. proponendo A.

norum ut, existente isto termino, *per se*, vel isto termino *per se*, setting the negation *per accidens*, in primo ordine terminorum communium, first, debet proposicio probari ratione illius; sed precedente In exposition, the term *per se* or *per accidens* should be proved first alio termino communi, probabitur ratione illius termini or otherwise, 5 precedentis. Ut, *album per se est homo, quia hoc per se est homo, cum per se hoc est homo, et hoc est album,* according to the ergo, *album per se est homo.* Sed impossibile est quod *per se album sit homo, quia tunc omne album esset homo.* order of the terms.

- 10 Ulterius notandum quod proposiciones iste habent Propositions certas exponentes, ratione illius termini *per*, significantis may be circumstanciam loci vel temporis; ut, *Sor durabit per horam futuram, si per quamlibet eius partem durabit;* expounded according to the sense given to et econtra. Et ad hoc requiritur quod a principio usque ad eius ultimum instans inclusive vel exclusive When it is used durabit; et durabit per tempus, si durat per quamlibet to express time, it expresses eius partem. Et hoc contingit quando est in illo, et continuous nullum erit vel fuit instans illius, quin fuit vel erit in duration. illo. Et isto modo *continue durabo per horam,* eo quod 15 in principio istius hore incipiam durare per horam Thus if I exist istam, et usque ad finem durabo per istam; et per idem *ero per horam.* Et supposito quod essemus in partibus istius hore sum modo, sicud hoc instans est I am now in infinitarum parcium istius hore medium instans. Sed all its infinite parts; but it non quodcunque est in omnibus illis partibus, est per does not follow horam; nec quodcunque quod erit per quamlibet eius partem secundum se totam futuram erit per illam, that what is in sicut patet per exponentes predictas; quia sic quodlibet 20 temporaneum foret per infinita tempora eterna communica- Thus if I exist during an hour, means cancia, eo quod ad quodlibet instans futurum terminabitur unum tempus eternum. Oportet ergo *ad esse vel fore per tempus, esse, fore vel fuisse per quodlibet instans quod est, fuit vel erit ei intrinsecum.* Unde probabile An eternal lapse of time is ended every instant.
- 30 videtur dicere quod in aliquo instanti *per totam istam horam Sor erit,* sicud *Sor in quolibet instanti huius hore erit per totam istam horam,* et quod quelibet talis convertitur cum universalis affirmativa, ut cum talis: *quelibet pars istius hore mensurat adequate partem duracionis Sortis.* Et si quelibet pars illius situs mensurat adequate 35 To say: *A will exist during every part of this hour measures a part of A's existence.*
- 40 *partem extensionis Sortis,* tunc ratione est per totum It is thus only logically that he exists during the whole hour.

Time and place istum situm, et aliter non. Unde iste terminus, *per*, |
thus stand for distribuit pro parte significati sui causalis, et non A 51^a
parts of the principaliter pro illo significato; et sic, sive per tempus
duration or et locum, quia per alicuius temporis quamlibet partem.
local existence of a being. Unde omne tempus vel locus per quem ens est, ade- 5
quat sibi entis duracionem vel localem existenciam.

There are fallacies concerning until.

It is said, when in the subject, to connote exclusiveness, and inclusiveness when in the predicate. But it appears to me that, wherever placed, it may signify both.

Yet in some cases, until may signify exclusively and not inclusively, as: if A goes towards B, and dies in the very last moment: he does not touch B, but comes infinitely near to him. And he moves until he meets B, exclusively.

Per can be applied to a body moving, continuously in space.

Sed de isto termino, *usque*, 2^m quod potest connotare circumstanciam exclusivam vel inclusivam, est sophisticatio. Nam, quando ponitur a parte subiecti, dicitur significare circumstanciam exclusivam, ut: *usque ad B* punctum *Sor movebitur, vel dividet*. Sed quando ponitur a parte predicati, tunc dicitur significare circumstanciam inclusivam; ut: *Sor dubitat usque ad B tempus, et movebitur usque ad Platonem*. Videtur tamen michi quod tam a parte subiecti quam a parte predicati potest significare circumstanciam exclusivam et inclusivam, ut: *ego durabo continue usque ad B instans, et usque ad B instans durabo*, et sic continue vivam, quoque mors mea venerit. Verumtamen quandocunque mobile vel terminus in fine motus corrumpetur, sic quod ratione 20 talis corrupcionis deficiet contactus vel terminacio inclusiva, tunc a parte subiecti sumendus est iste terminus, *usque*, sinkathgorice; ut, posito quod *Sor movebitur continue versus B fixum*, sic quod in fine illius hore corrumptantur, cadavere suo tunc primo tan- 25 gente B fixum, tunc *usque ad B Sor movebitur* et tamen *non movebitur usque ad B*, cum non erit ad B, sed in infinitum propinquius erit B. Ideo usque ad B propinquabit. Et sic iste terminus *usque*, sicut iste terminus *infinitum*, cuius significacionem includit, confundit verbum 30 quo ad tempus connotatum, sicut non facit, dicto: *A movebitur usque B*. Ideo solum in talibus refert preponere vel postponere istum terminum *usque*. Sed totum illud est alibi disputatum.

Ulterius notandum quod si mobile movebitur per 35 spacium, tunc movebitur motu quo describetur vel describebatur quecunque pars illius spaci; et sic continue movebitur per spaciun; quia non continue describet quacunque partem illius spaci, sed quia continue movebitur motu quo quecunque pars illius spaci describetur vel describebatur. Unde spaciun vel via

S. et *pro* est A.
sicut A.

25. fore *pro* hore (?) A.

31. sicut non facit

vocari potest superficies, vel distanca superficialis, quorum neutrum est corporeum; ut *homo pertransit totam longam viam currens*, ymmo eius partem eque longam cum illa. Ideo dicitur a sophistis quod non 5 attenditur quantum ad volocitatem motus, ad magnitudinem spacii, sed ad eius longitudinem, quia lacius mobile describet plus spacii quam danda est partes pertransire, aut transcurrere vel transsaltare parcium, ad gradientia, currencia, et saltancia. Unde homo 10 transit multa que non tetigit, sed continue distetit ab illis per centum milliaria; ut homo transit totum quod directe est sub eo moto, sed avis transvolat aquam et homo transsaltat lacum. Sed de istis sufficiens.

This space may be called surface, or superficial distance; but dialecticians say that as for speed the length of the way alone, not the breadth traversed, is to be attended to.

1. vacari A. 7. spām A. 9. ^m^m gdien A.

CAPITULUM DECIMUMSEXTUM.

Of the
Infinitely great
and small.
How the
Infinite should
not be
expounded.

Not by saying:
To some extent,
and not so
much, but
greater still;
for then every
part of
quantity would
be infinite, and
yet a line could
not be so.

Nor: *B is*
twice, four
times as great,
as A, and so on
for ever;
for *B*, if twice,
is not four
times as great.

Nor: *more than*
twice, more
than four
times . . . and
so on; for this
would
contradict
God's
infinity.

Sequitur de istis terminis *infinitum* et *inmediate*, et terminis comparativis pertractandum. Ubi primo notandum quod uterque istorum terminorum potest sumi kathegorice vel sinkathegorice. Kathegorice quando significat pro re infinita vel re ac modo inmediato. Sinkathegorice, quando significat exponibiliter, ut post docebitur. Unde iste terminus, *infinitum*, non debet sic exponi: *aliquantum et non tantum quin maius*; tum quia sic cuiuslibet quanti infinitum magna foret aliqua pars ¹⁰ quantitativa; tum eciam quia infinitum magna est linea, et tamen tanta quod non maior. | Nec debet exponi A ^{51b} per terminos proporcionum, ut sic: *in 2^{pl}o magis maius* *B est quam A, in 4^{pl}o maius, et sic in infinitum*; quia antecedens est impossibile cum A existente duplo ad B. ¹⁵ Non enim ipsum quadruplum, quia non plus quam duplum. Et preter hoc est exposicio insufficiens, cum non exponit talia: *infinitum magna est hoc, vel aliquod istorum*. Nec videtur tercia exposicio inductiva sufficere qua inducitur exponentum ex talibus, *plus quam duplum*, ²⁰ *plus quam quadruplum, et sic in infinitum*; quia infinitum melior est deus quam suprema intelligencia, et tamen non est plus quam in duplo magis bonus illa, quia tunc esset plus quam aliquod in duplo magis bonum illa, et per consequens esset aliquid in duplo melius ²⁵ illa. Et sic invenies in omnibus immediatis in ordine naturali. Est eciam exposicio insufficiens, quia non exponit universaliter talia de positivo gradu: *infinitum longum est aliquod istorum, infinitum bonum, propinquum etc. est hoc*. Et sic de ceteris. ³⁰

1. Cap. deest A.

2. Initial S in red ink A.

6. re ac \widehat{m} o A.

13. $\widehat{m}g\epsilon$ pro magis A.

15. \widehat{ans} pro antecedens A.

20. expo. § A.

27, 28. exponunt A.

Ideo videtur esse dicendum quod iste terminus, *infinitum*, debet exponi per suam preiacentem, et per universalem negativam exponentem universalem affirmativam secum convertibile. Ut, si *magnum sit hoc et non sit dare gradum magnitudinis finitum*, quin hoc excedit illum in magnitudine, tunc infinitum magnum est hoc. Et sic de *bono*, de *veloci*, *acuto*, *propinquo*, et omni denominacione in qua possibilis est comparacio.

How it should be expounded:
A is infinitely B;
A is B;
and nothing is B that A does not exceed in that respect.

Dissensio tamen est de magnitudine linee, utrum *infinitum magna sit aliqua*, sicut *infinitum longa est aliqua*. Quod si sic, tunc infinitum magno est aliquid maius, cum quelibet superficies vel magnitudo corporea sit maior linea. Nec sequitur, omne corpus esset infinitum magnum, quia infinitum magna linea maius, et nullum magnum est maius linea, iuxta exponentes predictas. Et per idem sequitur *omnem hominem esse infinitum bonum et perfectum*, quia dato animali infinitum perfecciorem, et omnem angulum continue infinitum acutum, quia omni angulo rectilineo plus acutum, etc. Nec valet addere in 2^a exponente quod non est dare magnitudinem finitam sue speciei quin hoc excedit illam, tum quia deficeret in illis que non habent alia cum illis in specie, ut patet in istis: *infinitum bonus vel durabilis, est deus, angelus vel mundus*; tum quia deficeret in talibus: *infinitum longum est hoc, vel aliquod corpus*. Stat enim idem esse finitum et infinitum longum, ut patet de superficie interclusa inter duas lineas generativas, et tamen omnem longitudinem finitam sue speciei excedit.

In ista materia est alia responsio ponencium continuum componi ex indivisibilibus, et alia hoc negancium. Primi enim dicunt quod nulla superficies nec linea est infinitum magna. Nec sequitur, *est infinitum longa: ergo, est infinitum magna*, sicud quodlibet corpus mathematicum est equale sue totali linee, superficie, et multitudini punctorum; et unum infinitum secundum aliquam denominacionem, in quacunque proporcione, reliquo infinito, secundum tales denominacionem maius. Et illis est exposicio superius posita satis bona; cum maxima superficies est linea, sic tamen finite magna, quia equalis mundo.

Is a line that is infinitely long? Is there something greater than the Infinite: any surface, for instance?

If nothing can be greater than the Infinite, each volume must be infinite. Man is infinitely more perfect than an animal: therefore he is infinite.

If it is said: infinitely great in its species, this could not apply to qualities that have not such species as magnitude has; nor to a body that was infinitely long.

Two replies; one from those that deny, the other from those that admit that the Extended is composed of indivisible elements. The latter deny that any line is infinitely great. Volumes are equal to their surfaces, lines, and multitude of points; a line is equal to an immense surface, but is yet limited.

22. quia cum A. 28. $\widehat{\text{geratas}}$ A; ib. tamen non A. 39. cium pro cum A.

The others say
that both lines
and surfaces
are infinite, but
that a volume
is infinitely
greater.

The Infinite
could
be imaginably
decreased until
it became
finite;
and the Infinite
also infinitely
increased.

The first
exposition says
that there is no
volume that
cannot be
exceeded by a
line; of a
surface and a
line equally
long, the line is
infinite, the
surface may be
finite (in
breadth).
We can also
expound thus,
by
comparatives:

*A is greater
than B, and
nothing is so
much greater
than B as A is.*

Thus we may
know the
Infinite through
comparison
with the Finite.

From such a
proposition to
the assertion of
the Infinite, the
comparison
holds good.

It does not
always
matter whether
the term

Sed alia via dicit quod infinitum magna est tam linea quam superficies; et sic de aliis pernominationibus; et tamen infinitum maius est quocunque corpus. Et sic, de ymaginabili, | infinitum infinitum minorabitur A 52^a quousque fuerit infinitum magnum, et B finitum; et 5 infinitum minorabitur quousque fuerit finitum primum, posito quod corpus diminuatur ad linealem magnitudinem generativam, et postmodum proporcionabiliter crescat. Ymmo possibile esset C infinitum in infinitum maiorari, quousque infinitum primum fuerit, posito quod C sit 10 corpus lineale pedale, et crescat successive usque ad finem istius hore ad quantitatem superficialem pedalem quadratam, et exhinc crescat successive usque ad cubitum pedale; in quo casu patet quod infinitum primum erit C. Ymmo, sicut bis infinitum maiorabitur sic in infinitum, 15 erit primum duabus vicibus, quia inmediate post hoc, et inmediate post finem in infinitum parvificabitur; et tamen continue magnificabitur.

Tenta superiori exposicione, dicit hec via quod non est dare gradum magnitudinis corporee quin aliqua 20 linea excedit illum, et sua magnitudine non fit quod sit maior corpore sed quod sit longior vel stricior; linea enim infinita ratione sue strictitudinis est infinita, ubi superficies eque longa ratione sue habitudinis est solum finita; et sic de corpore, regula superficie. Et 25 in propositionibus de comparativo capienda est negativa cum subiecto significante proporcionem; ut, si *maius* est *A quam B* et non est dare gradum proporcionis finite quin maior sit proposicio magnitudinis *A* ad *B*, tunc *infinitum maius est A quam B*. Prima tamen re-30 sponsio videtur rationabilior. Sic ergo per cognitionem finiti cognoscere possumus infinitum; ut, si *omnem gradum finitum magnitudinis magnitudo A excedit, tunc infinitum magnum est A*. Et sic universaliter a tali universali ad propositionem de infinito tenet consequencia, 35 et econtra. Nec refert respectu verbi de presenti cum predicato singulari vel communi, cuius significati est dare excellentissimum, sive iste terminus, *infinitum*, sumatur kategorice, ut: *hoc infinitum magnum est hoc, infinitum bonus est homo* etc. Sed in talibus dicitur multum 40

2. p pro pernominationibus A. 8. geratam A. 17. pnificab^r A.
25. r'a pro regula. 29. ppo A. 33. infinitum A.

referre: *infinitum magnum est aliquid istorum, infinitum propinquum est aliqua res nichi, infinitum cito erit aliquid instans, etc.* Ibidem enim stat predicatum conclusione et mobiliter.

5 De isto termino, *immediate*, dicitur consimiliter quod proposicio ratione illius termini exponenda debet exponi per suam preiacentem et per universalem negativam exponentem universalem secum convertibilem.

Ut si *aute B Sor fuit, et non fuit instans ante B quin inter illud et B Sor fuit, tunc immediate ante B Sor fuit.* Et si *post B Sor erit, et nullum erit instans post B quin inter illud et B Sor erit; tunc immediate post B Sor erit.* Non enim sequitur quod *immediate ante B fuisti albus, si ante B fuisti albus, et nullum fuit instans ante B quin post illud fuisti albus;* quia ponatur quod *post annum post B incepisti esse albus et interim non fuisti albus,* et patet quod totum antecedens est verum et consequens falsum. Et per idem non sequitur, *post B eris albus, et nullum erit instans post B quin ante illud eris albus; ergo immediate post B eris albus;* quia cum antecedente stat quod per duos annos inmediate succidentes B non eris albus. Ideo sic loquendo debet addi quod *nullum erit instans B quin in aliquo instanti inter illud et B eris albus.* Nec aliquid fuit instans ante B quin in aliquo instanti inter illud et B Sor fuit albus. Et conformiter conceditur, posito quod *Sor usque ad Platonem movebitur exclusive quod | immediate usque ad Platonem Sor movebitur;* quia versus Platonem movebitur, et nullus erit gradus propinquitatis finitus quando proprius ei movebitur. Ideo immediate usque ad eum movebitur.

A 52^b Et ex ipsis patent tria. Primo, quod omnis proposicio de immediate affirmativa convertitur cum universalis affirmativa et propositione de infinito, ut si *immediate ante B instans fuisti, tunc infinitum propinquum ad B instans fuisti et econtra;* et per consequens *omnem gradum propinquitatis fuitum ante B instans excessisti;* et sic de ceteris. Secundo patet quod non est idem: *passing beyond immediate ante B fuisti, et sine medio cum B fuisti.* Nec sequitur: *infinitum magnum est aliquid istorum.* Et tertio patet quod non, si *immediate ante hoc fuisti, quod*

Of the Immediate.
To be thus expounded:
A was immediately

before B; i. e.
A was before B, and there was no instant before B, at which A was not between it and B.

A will be immediately after B; in like manner, "Between it and B" must be employed: 'after it' would not sufficiently determine the time, either for the past, or the future.

Thus too for movement and near approach.

This, however, *aliquando fuit ita quod immediate ante hoc es*, vel quod neither implies identity of the *fuisti immediate ante hoc*, saltem si tempus non committet two things, nor ponitur ex instantibus. Verumtamen conceditur in casu infinite greatness of quod *Sor stetit immediate coram Platone*, sicut *deus est either.* *immediate supra supremam intelligenciam*, et *omnis accio 5 naturalis immediate agit*. Et istum sensum pretendit posicio ponens continuum componi ex indivisibilibus ex utrobique; nam iuxta illam, si *immediate ante B erit A*, tunc *in instanti immediato ante B erit A*; si *infinitum parvum est aliquid corpus*, tunc *est dare corpus 10 infinitum parvum*: quod est falsum; quia corpus compositum ex duobus non quantis est minimum. Et ultra non refert penes illam, sive isti termini *infinitum* et *immediate, usque, etc.* sumantur kathegorice sive similitudinibus kathegorice. Et tantum de istis ad presens sufficiat. 15

5, 6. omnem actionem naturalem A.
13. ^{1am} pro illam.

7. po^o pro posicio A.

CAPITULUM DECIMUMSEPTIMUM.

Ulterius pro exposicione proposicionum de terminis graduum comparandi supponantur 3^a. Primo quod tres sunt gradus huiusmodi terminorum; scilicet, positivus, 5 comparativus et superlativus, et distincio illorum.

Secundo, supponatur quod aliqua sit comparacio proprie dicta: ut puta, comparacio aliquorum in aliqua denominacione specifica, ut albedine, longitudine, motu, etc. Et hoc potest esse dupliciter: vel cum termino 10 positivo, vel cum termino non positivo. Et primo modo dupliciter; vel quod talis denominacio suscipiat magis et minus, vel non. Si sic, tunc fit comparacio cum isto termino *ita vel tante*; ut: *Sor est ita sapiens sicut Plato*, vel *tante sciens quantum Plato*. Si non, tunc 15 dimittitur talis terminus, ut, *Sor est tripedalis sicut Plato*, *Sor est summe albus sicut Plato*, etc. Si autem fiat comparacio cum termino comparativi aut superlativi gradus, hoc contingit quotlibet modis variari in comparacione proprie dicta: vel quod fiat comparacio 20 ad infinita, vel pro infinitis, in quibus est dare maximum: in quibus magna diversitas respondendi. Si vero fiat comparacio improprie dicta, hoc contingit multis modis; vel in genere, comparando unam speciem ad aliam, aut unam speciem ad genus vel differenciam; vel extra 25 genus, comparando ens unius generis ad ens alterius, aut alterum ad transcendens; et ex tali comparacione frequenter gravissima peroritur difficultas. 3^o supponitur, ubi adverbia vel alia positiva comparativorum adverbiorum vel nominum deficiunt, licitum sit fingere voces 30 supplentes sentencias.

Quibus suppositis, dicitur quod regulariter quelibet proposicio ratione termini positivi gradus exponenda,

Preliminary assumptions.
1. The three degrees of comparison.

2. The division into comparison properly and improperly so called; the former either expressed by the positive or not: if by the positive, the thing compared is capable of increase or diminution (and then comparison is indicated by *as*, etc.), or not capable, and then *as well as*, or *like* must be used.

If by the comparative or superlative, there are many different ways of indicating it. Comparison improperly so called holds between one species, one genus, one being etc., and another.

3. It is allowed to coin terms expressing the different degrees, when these terms do not exist.

Formula for comparison in the positive:
A is as great as B; i. e. A is great, and neither is greater than the other.
 debet exponi per suas preiacentes, et per negacionem excludentem excessum materie comparandi; ut, *Sor est aliquantus, et Plato est aliquantus, et neuter illorum est maior reliquo; ergo, Sor est tantus quantus est Plato.* A 53^a

Et correspondenter exponende sunt tales; *Sor est ita albus sicut Plato, ita velociter currit, ita bene arguit, etc.*
 Et conformiter exponuntur tales propositione quante: *Sor est tante obligatus deo quante est homo, tante est animal quam longus est Sor, tam magnus est, etc.*

There are difficulties in expounding:
 I. When the latter term compared stands for infinite individuals amongst which none is supreme.

If A is an infinite line and it is compared with an infinite number of others of all lengths, then we say:
A is great, and one of these (B, C, D . . .) is great, and neither is greater; not every one of these.

In the latter sense it would be wrong to conclude: *A is as great as one of these (B, C, D . . .)* for it is greater.

We can neither conclude that A is equal to the greatest of all these, nor that A is greater than the greatest; for we are comparing the *Infinite* with the *indefinitely great*.

Infinitude in dimensions or in multitude

difficultas tamen exponendi huiusmodi proposiciones modo oritur racione extremi, significantis solum pro infinitis, quorum non est dare excellentissimum, vel racione verbi diversimode connotantis tempus. Exemplum primi: captis infinitis lineis, quarum infinitum magna sit aliqua, quamvis nulla sit illa, et capta A linea infinita, tunc 15 hoc: *A est tantum quantum est aliquod istorum, sic debet exponi: A est aliquantum, et aliquod istorum est aliquantum, et neutra pars comparatorum est reliqua maior; ergo A est ita magnum sicut aliquod istorum.* Nec videtur michi quod oportet capere quod *quodlibet 20 istorum sic est aliquantum, qnia homo est ita sapiens sicut aliquod animal, et deus ita bonus sicut aliquod ens;* et sic videtur michi quod tales propositiones sunt false: *A est ita magnum sicut aliquod istorum, quorum infinitum magnum sit aliquod, deus est ita bonus sicut 25 aliquod istorum, quorum infinitum bonum sit aliquod; quia A est maius quam aliquod istorum Non enim ita magnum esset aliquod istorum sicut A, nisi sub eodem gradu esset aliquod istorum magnum cum A. Nec sequitur: *infinitum magnum est aliquod istorum et non 30 maius quam infinitum magnum est A; ergo non maius quam aliquod istorum est A.* Nec sequitur: *maiis quam aliquod istorum est A, et infinitum magnum est aliquod istorum; ergo maius quam infinitum magnum est A.* Sed bene sequitur quod *infinitum magno maius est A; quod 35 est verum, cum infinitum magnum est non infinite magnum, sed [in] infinitum.* Multa solum sunt finita, quamvis infinitum multa sint infinitum multa; ut patet de omnibus rebus mundi. Finita eciam sunt infinita, ut patet quod due linee sunt infinite secundum magnitudinem. Alique 40 eciam linee infinite secundum multitudinem sunt finite*

2. 9pandi A. 8. obligat A. 11. non pro modo A. 36. infinite pro infinitum A. 37. in deest A.

secundum magnitudinem; ut patet de semidyametris does not exclude circuli. Ideo, quamvis multa infinita sunt plura quam finita aliqua, tamen finita infinite multa sunt plura quam alia infinita finite multa; et sic de multis aliis conclusionibus, tam in continuis quam in discretis.

It is evident that such comparisons are absurd, when there is no supreme degree possible. Examples.

Et iuxta istam responsonem, quandocunque non est dare excellentissimum gradum comparacionis, neganda est quecunque talis proposicio affirmativa penes talem; ut, captis duabus multitudinibus infinitis, quarum prime infinitum magna sit aliqua magnitudo, et 2^e similiter, cum hoc quod tamen neutra sit aliqua magnitudo infinita, tunc falsum est quod ita *magnum est aliquod prime multitudinis sicud aliquod 2^e*, aut econtra. Et falsum est quod ita cito erit instans sicut erit instans, 15 quod ita *propinquum est aliquid michi sicut est aliquid michi, ita magna est aliqua pars quantitativa mei sicut est aliqua pars quantitativa mei, ita parvum est aliquid, sicut est aliquid, ita magnus erit Sor sicut erit Sor*. Et sic de infinitis de quibus non est dare gradum supremum. 20 Nam secundum concedentes istos terminos, sicut, ita, quante, et ceteros consimiles cum positivo gradus A 53^a mobilitare terminum, ut | supponitur in presenti: si ita magnum est aliquod istorum sicut est aliquod istorum, tunc est dare aliquod istorum quo nullum istorum est 25 maius; quod est contra casum. Nec sequitur: quantumcunque magnum est aliquod istorum, ita magnum est aliquod istorum: ergo, ita magnum est aliquod istorum sicut est aliquod istorum; quia iste terminus ita, vel 30 sibi equivalens, confundit terminum sequentem, nisi 35 talis terminus, sicud, vel sibi equivalens, precedat non therefore one of simpliciter. Unde non sequitur: quantumcunque magnum est aliquod istorum, ita magnum est aliquod istorum; ergo, ita magnum est aliquod istorum. Sed sua subalternata erit talis: Sub equali gradu magnum est ali- 35 quod istorum; sub quo aliquod istorum est magnum; ubi non est confusio.

Et in talibus sunt propositiones de comparativo II. When to the same difficulty is added the comparative

3. a'q cu A. 4. aliqua pro alia A. 10. zz^e A. 17. a'q pro aliquid A. 18. a'd pro aliquid A. 18, 19. 2^e pro et sic A. 25, 26. quacuqz A. 30. ne pro vel A. 34. equali A. 35. quo est before aliquod A.

degree and the *quam ero*; et sic de aliis. Nec enim ero sibi propin-
future or past, quior quam ero, nec minus propinquus nec eque pro-
must be denied. pinquus; quia non est dare quam propinquus ero ad

As for difference of tense, the verb must be analyzed accordingly.
Ex. Then I shall ergo ero sic senex; et ista proposicio, ita senex ero
be as old as I ever shall be: sicut ero, probabitur sic: maximus gradus senis quo ero
i. e. my highest degree of old age will be senex; et sic nichil est vel erit ita magnum sicut aliqua pars
equal to that highest degree. quantitativa mei est vel erit; nec ita propinquum
Sorti sicut ego ero, nec ita cito sicud instans erit.

Ideo in omnibus talibus oportet resolvere propositionem per suum rectum debite propositum; ut, si ita magna sit aliqua pars quantitativa mei sicut est aliqua pars quantitativa tui, es equalis michi; tunc, aliqua est ita magna pars quantitativa mei sicud est aliqua pars quantitativa tui; et illa probabitur per resolucionem, ut prius dictum est.

But this is not the system followed by those who admit that the continuous is made up of indivisible parts; for they admit that there exists a supreme degree.

To exist immediately before B means with them that at a given instant with no time between, something exists before B.

Any proposition in the comparative

Aliter tamen senciant qui ponunt continuum componi ex indivisibilibus; quia ipsi, ut ponitur, dant maximum in propinquitate, in magnitudine parcium quantitativarum, in parvitate: et sic, ut immediate ante B ero, tunc aliquando, et ita quod sum sine medio ante B: et sic de similibus. Et sic secundum eos, si Sor in B erit senior quam unquam ante, tunc erit senior quam immediate ante; non solum quia immediate ante erit, sed quia aliquod "quando" indivisibile erit immediate ante. Prior tamen responsio habet negare consequenciam; sed oportet capere secundum illam in minori, quod hoc instans erit ante in quo erit senex. Et ex isto patet quod omnis affirmativa de positivo gradu infert negativam de comparativo et affirmativam de superlativo, sicut quelibet talis superlativa proposicio infert propositiones huiusmodi e converso: ut bene sequitur, Ita magna est aliqua pars quantitativa mei sicut Sor; ergo, maxima quantitas Sortis et alicuius partis quantitativa mei quantitates sunt eae; et per consequens: maxima quantitas Sortis tanta parte non est minor. Et sic de similibus.

Quecunque ergo proposicio, ratione termini comparati exponenda exponitur communiter per duas preia-

centes et universalem negantem paritatem comparatorum degree is
in medio comparandi. Ut: si *Sor sit albus et Plato similiter, et Plato non sit tanto gradu albus ut Sor,* expounded by a double prejacent and a proposition denying equality:
tunc *Sor est albius Platone.* Sed quia ista exposicio 5 implicat omnem denominacionem habere gradus, vel
A 54^a omne excellens esse par suo inferiori, | ideo potest dici
quod quelibet talis debet exponi per unicam categoricam,
ponentem excessum denominacionis antecedentis super
denominacionem consequentis. Ut, si *gradus magnitudinis*
10 *A excedit gradum magnitudinis B,* tunc *A est maius quam B;* et antecedens noscitur, scito penes quid atten-
ditur magnitudo. Et conformiter dicendum est in similibus. Magnitudo enim corporis attenditur penes distanciam a non quanto ad bonum intellectum; et sic
15 requiritur ad hoc quod aliqua sint eque magna, quod distent equaliter a non quanto.
Ex isto patet quod affirmacio de positivo fundatur in paritate vel equiparancia, non solum respectu trium suppositorum increatorum, sed respectu sue denominacionis, etc. Affirmacio vero de comparativo gradu fundatur, more infamis binarii, super inequalitatem vel disparanciam. Et ideo significanter dicunt grammatici quod omne comparativum presupponit suum positivum, sicud omnis inequalitas ab equalitate procedit. Et ita
25 dici potest quod proposicio racione positivi gradus exponi debet per unam preiacentem et universalem negantem excessum unius ad alterum; ut si utrumque comparatorum sit quantum, et neutrum excedit reliquum, in esse quanti, tunc unum est ita magnum ut reliquum.
30 Et sic affirmacio comparativi gradus creditur esse inter unum et infinita, quorum non est dare maximum gradum denominacionis in qua comparantur, nec gradum consequentis denominacionis in qua comparantur: ut
35 *ego sum maior sed non prior quam aliqua pars quantitativa mei, deus est melior quam res causata, etsi infinitum bona esset aliqua. B instans est cieius quam aliquod*

7. *ca^{ca}* pro categoricam A. 14. ad bonū int̄m A. 19. incitato^c
pro increatorum A. 21. mo'e famis A. 33. communem pro
consequentis A. 33, 34. sed non prior ut ego sum maior A.

21. *Infamis binarii.* I have several times found this expression in Wyclif, but could never make out the reason of so strong a term employed for a number.

instancium ipsum succedencium; ista linea infinita est maior quam aliqua istorum, quarum infinitum magna est aliqua; et sic de similibus. Semper tamen est dare gradum denominacionis antecedentis in tali comparacione; ut non est verum quod maius est aliquod 5 istorum, quorum infinitum magnum est aliquod, quam aliquod reliquorum quorum infinitum magnum est aliquod; quia idem est dicere: maius, vel ita magnum est aliquod istorum; et dicere: aliquod istorum est maius vel sic magnum.

10

In such comparisons we must always suppose a certain degree of superiority of the antecedent over the consequent; thus there is no comparison between a subject possessing a quality, and another that has it not. And, therefore, it is false to say:

A is whiter than B begins to be; yet we may say: B begins to be less white than A.

Notandum tamen quod ad omnem talem comparacionem oportet dare gradum denominacionis tam antecedentis quam consequentis; ut A non esset maius quam aliquod istorum nisi sub aliquo gradu esset aliquod istorum magnum; sicud nullum quantum est 15 maius punto, quia sub nullo gradu est punctus magnus; nec aliquid est moraliter melius dyabolo, sapiens lapide, alcius centro; et tales.

Ex hoc patet quod talia sophismata in communibus casibus sunt falsa: *Sor est albior quam Plato incipit esse albus; Sor est infinitum albior quam Plato incipit esse albus. Sor incipit esse albior quam ipsem vel Plato incipit esse albus. Sor est iunior, quam inmediate post hoc erit. Sor est senior quam inmediate ante hoc fuit:* et sic de similibus. Et tamen conceditur quod 25

Plato incipit esse minus albus quam Sor est albus, Plato in infinitum minus albus erit quam iam est Sor. Plato enim infinitum remisse albus post hoc erit, ut patet per exponentes; sed non infinitum remisse albus vel minus albus quam iam est Sor, inmediate post hoc erit, quia 30 non plus quam in 2^{lo} minus albus quam iam est Sor inmediate post hoc erit vel incipiet esse Plato, cum non sit dare gradum quo inmediate post hoc erit albus; | A 54^b ideo non plus erit tunc remisse albus quam iam est Sor. Et iuxta hoc conceduntur tales conclusiones nega- 35 *tive; nichil potest velocius vel tardius moveri quam*

Thus nothing can move faster or slower than that which

17. *ut pro nec A.* 29. *in infinitum A.* 36. *esse velocius A.*

20. *Incipit.* Is Wyclif quite consistent? We have seen how, in the XIVth Ch. (p. 197, l. 22) he ‘adds entire, to deny that the instantaneity of beginning takes anything essential away from the quality.’ Now he seems to deny that the quality exists at all when it begins to be, though indeed he does not say so explicitly; and further on he gives us a proof of this.

hoc incipit moveri, quod incipit intendere motum suum begins to move; nor can any one be whiter than a person beginning to turn white, etc.
a non gradu vel ab aliquo gradu exclusive. Sor ergo nunquam erit albior quam iam Plato incipit esse nec unquam est sciencior vel iunior quam immediate post hoc 5 erit vel quam immediate ante hoc fuit.

Et racio omnium istorum est, quia non est dare gradum in consequente, cui fieret comparacio. Voco autem antecedens comparacionis, illud comparatum quod primo explicatur, et consequens voco secundo explicatum; ut sic, dicto, *Sor est albior quam Plato immediate post hoc erit, falsum implicatur; oportet quod certo gradu albus immediate post hoc Plato erit. Unde, si Sor erit albior quam Plato erit in aliquo 10 istorum, tunc certo gradu erit Plato albus in aliquo istorum.*

15 *Et sic est hoc sophisma verum, posito quod Sor et Plato, intensi in albedine, continue maneant eque albi usque ad finem hore, in qua Sor incipiet esse summe albus, et Plato corrumpatur, demonstrando per ly "istorum" omnia instancia intrinseca huius hore. Nam 20 Sor tunc erit albior quam unquam ante; sed non erit tunc albior quam immediate ante, quia est dare sub equo gradu albus erit immediate ante. Unus tamen reverendus logicus et subtilis tenuit probabiliter oppositum hic dictorum, sicut facerent qui ponerent con- 25 tinuum componi ex indivisibilibus.*

Quecunque autem proposicio, ratione termini superlativi gradus exponenda, potest exponi dupliciter, vel per suas preiacentes, et negativam de comparativo gradu, vel per suas preiacentes et negativam cum termino positivo; ut ista: *Sor est fortissimus hominum,* a potest sic exponi: *Sor est homo fortis, et homines sunt gradatim fortes, et nemo non Sor est ita fortis ut ille;* ergo *ille est fortissimus hominum;* vel aliter propter dictas preiacentes, et talem negativam: *nemo non Sor 30 est forcior illo;* et ista exposicio est a virtute sermonis remocior, quamvis sit famosior.

Ex istis patet quod tales propositiones sunt false: *last proposition;*
Sor est fortissimus lapidum, cum implicatur ipsum esse and no C that is lapidem; deus est fortissimus deorum, cum implicat is not A is more 40 multos esse deos; iste ternarius est maximus ternariorum, *B than A.*

3. iam incipit before Plato A. 4. scio^r pro sciencior A. 17. in quo A. 24. poneret A.

For a superlative, the two terms must be of the same denomination: a man cannot be the strongest of stones; and there must be possible gradation in the quality: to say:

This is the greatest of threes, is absurd.

A superlative must add something to a positive; from: *A is as strong as any man,*

it does not follow that *A is the strongest of men.*

A fallacy concerning the superlative, depending on the sense of the relative, *quod.*

Writers, and especially orators, often use the superlative for the comparative or positive, and the comparative either for the contrary comparative with less (*sweeter for less bitter*), or to comparison. Superlatives and comparatives differ in the former, requiring at least three individuals to make all; in the superlative being compared with itself, and in its admitting an equal.

quia implicat ternarios esse gradatim magnos, ut puta unum reliquo maiorem: quod est falsum. Et sic ad comparacionem propriam de superlativo gradu, cum termino habente plura supposita quam duo, requiruntur ad minus tria comparata imparia quo ad denominacionem in qua comparantur; cum comparando duo secundum excessum sit comparativo gradu.

Patet eciam quod proposicio de superlativo gradu superaddit propositionem de positivo gradu: ut non sequitur, *Sor est ita fortis ut homo; ergo, ipse est fortissimus hominum;* quia, posito quod omnis homo esset eque fortis cum Sorte, esset antecedens verum et consequens falsum, cum ad fortissimum requiruntur alia minus forcia, saltem illis positis.

Patet eciam quod falsum est, *B esse maximum istorum*, posito quod A sit tripedale, B bipedale, C pedale; quia sic dicto: *B est magnum istorum quod non est maximum istorum,* refertur iste terminus, *quod,* ad B; sed in secunda propositione, *nullum istorum est maius B quod non est maximum istorum,* refertur iste terminus, *quod, non ad B;* quia tunc foret proposicio falsa; sed refertur ad subiectum. Et sic propter equivocationem non exponitur hec proposicio per has duas.

Patet eciam quod auctores quandoque utuntur figurative superlativo gradu pro comparativo vel positivo; ut rhetores dicunt quemcumque gravem unum esse reverendissimum; hoc est, *valde reverendum;* quandoque intelligunt comparativum pro suo contrario privative participato; unum amarum dicunt reliquo dulcius, hoc est, minus amarum; et quandoque per negacionem comparativi, ut *linea est maior puncto.*

6º patet quod superlativus differt a comparativo in 3bus. Primo in hoc quod affirmativa de tali termino, sicut hoc signum, *omnis* dicitur primo de tribus. 2º in hoc quod oportet superlativum esse de numero comparatorum ad ipsum, et 3º in hoc quod superlativum compatitur secum par in gradu et opposito modo est de termino comparativi gradus.

Ex ipsis colligitur quod quilibet terminus alicuius horum 3º gradium est subsequentis termini confusivus; ut positivus terminus confundit cum isto termino *ita* vel cum isto termino *quam*, vel cum isto termino, *quantum*, aut equivalente, ut patet hic: *Sor est ita fortis*

sicut homo; quam album est aliquid, ita alba est nix; Each sign
quantum dabit aliquis Sorti, tantum dabo ego sibi; et ^(as, more &c.) of these three
sic de aliis. Probabiliter tamen potest dici quod in degrees renders those following
talibus non est confusio, cum iste terminus, ita, denotat it distributive.
 5 *gradum; et iste terminus, sicut, similitudinem: ut, Sor* ^{But as and like} *est ita albus vel sic albus sicud vel qualiter homo est* ^{(ita, sicut) may} perhaps not do
albus. Et sic: tantum obtulisti tu quantum obtulit aliquis ^{so, when} denoting degree
homo; quia aliquam rem causatam (ut patet resolutorie); or likeness.
sed non quantumcunque obtulit aliquis. Prima tamen So a man
 10 *significacio est famosior, iuxta quam sequitur quod Sor* cannot be wiser
non est ita sapiens sicut omnis vel magis sapiens quam than every man,
omnis homo; quia, cum terminus stet mobiliter, tunc omni is taken
homine esset sapiencior: quod est contradiccio. Similiter, since this term
si Sor sit sapientissimus animalium, et hoc sit animal, tunc universally and involves
 15 *Sor esset eque sapiens vel sapiencior isto; et sic de aliis.* contradiction.

Probabile tamen videtur multis, et plus consonum It is perhaps preferable to dictis antiquiorum, quod *comparativus gradus sapiencie* expound this *Sortis excedit cuiuslibet hominis gradum sapiencie; et* proposition by *econtra: si Sor est sapiencior aliquo homine vel homine,* saying that *tunc gradus sapiencie sue excedit simpliciter hominem* *vel totam naturam humanam: sed si gradus sapiencie* *Sortis aliquod individuum speciei humane excedit, tunc* *Sortes est sapiencior quodam homine. Iste tamen modus* *loquendi a sophistis presentis temporis est deiectus. Et* *25 tales evidencie, ut credo, movebant reverendum magistrum* *proximo recitatum ad cognoscendum quod Sor est* *albior quam Plato incipit esse albus; quia Sor est sapiencior* *omni homine, quamvis nullus sit gradus quo Plato in-* *cipit esse albus, quia Plato est sapiencior omni homine,* *30 quamvis non sit gradus quo omnis homo est sapiens;* *et maior omni corpore, quamvis nullus sit gradus supra* *quem omne corpus est magnum; sed sicud omnis homo* *est sapiens aliquo gradu et omne corpus aliquo gradu* *magnum, sic Plato incipit esse aliquo gradu albus.* *35 Videtur tamen michi, salvo indicio meliori, quod talis* ^{but I think that} *locucio est impropria: Sor est sapiencior omni homine,* ^{to say A is} *sicut ista: Sor est sapiencior nulla chimera vel non omni* ^{wiser than any} *A 55^b animali; nisi forte altero istorum modorum | intelligatur* ^{man is} *aliquo gradu Sor est sapiens, quo quilibet gradus* ^{unmeaning} ^{unless} ^{understood in} ^{the sense of a} ^{degree of}

1. aliquod A. 9. sicud A. 10, 11. Sor qui non A. 28—30. quam-vis — quamvis twice A. 38. int^{er} A.

26. *Reverendum magistrum.* See p. 223, l. 22.

wisdom, which surpasses or equals, sapiencie hominis est remissior; vel sic: *Sor aliquo gradu est sapiens, et omnis homo est aliquo gradu sapiens, sed non maiori nec pari gradu sapiencie Sortis.* Et iste modus loquendi, quamvis sit usitatus, videtur michi esse irracionalis. Et adhuc, admissio isto modo loquendi, 5 deficit similitudo in tali: *Sor est albior quam Plato incipit esse albus;* quia, si esset simile, tunc *Sor intensiori gradu esset albus quam Plato incipit esse albus:* quod implicat Platonem aliquo gradu incipere esse album.

The superlative does not render the following term universal in the ordinary way; for we cannot conclude: *A is the wisest of men,* therefore, he is the wisest of these men; for this would require the individual A to be one of these, like humanity itself.
Yet it is universal; wisest of men means of all men.

Sed de confusione superlativi, notandum quod con- 10 fundit alio modo quam negacio vel distribucio; quia non sequitur: *Sor est sapientissimus hominum; isti sunt homines; ergo Sor est sapientissimus istorum;* quia sic Sor esset omnis homo et non omnis homo. Nec sequitur: *Sor est sapientissimus omnium hominum, isti sunt homines, ergo Sor est sapientissimus istorum;* quia tunc includeret antecedens repugnanciam sicut primum. Nec stat iste terminus, *omnium hominum* immobiliter quantum ad superlativum gradum precedentem, cum idem est dicere *Sor est sapientissimus hominum et Sor est sapientissimus omnium hominum;* et secus est in aliis terminis mobilitatis per alios terminos precedentes. Ideo hoc est cedendum.

There are an infinite number of degrees according to which the quantities of terms are modified; some render both subject and predicate universal, some the subject only; some render them confusedly universal, etc.

How are these comparative propositions mutually expounded?

Unde aliter capiendum est medium in talibus quam in aliis simpliciter mobilitatis; ut bene sequitur: *Sor est fortissimus hominum* (vel *omnium hominum*, quod idem est): *Plato est homo; ergo, Sor est forcior Platone vel eque fortis cum illo;* et sic de ceteris similibus. Unde secundum qualescumque gradus ymaginabiles est dare terminos confundentes; ut aliqui mobilitant tam 30 subiectum quam predicatum, sicut mere negaciones; aliqui mobilitant solum subiectum et inmobilitant predicatum; ut signa universalia distributiva; aliqui confundunt et mobilitant, ut isti termini *infinitum, immediate, promitto, scio, et consimiles,* aliqui mobilitant mediatos 35 et non inmediatos, ut dicciones exclusive et exceptive, et aliqui mobilitant, sed cum supernaturalibus mediis; et superlativi gradus et inmediati alii prenarrati.

Sed ulterius dubitatur quomodo proposiciones de istis tribus gradibus reciproce se exponunt; ut compara- 40

2. est after gradu deest A.
40. B pro sc A.

37. sp̄ualib3 A.

38. pnarratī A.

tivus exponit positivum et econtra: et superlativus Can v. g. the
equivoce exponitur per utrumque: cum tamen de ratione comparative
exponencium sit quod significata primaria istorum sint and positive
nociora significato primario exponendi. Sed quantum expound each
ad illud, dicitur quod diversa sunt diversis hominibus other, when the
nociora; nec oportet universaliter significata exponencium exponents must
esse nociora significato primario exponendi. Sed sufficit be better known
quod convertantur, et in multis expressius ostendant than what is to
sentenciam exponendi; ut, captis duobus quantis regul- be expounded?
laribus, et supposito uno alteri, percipiendo quod It is enough
neutrum excedit reliquum, concludo ista esse equalia;
et sunt tales negaciones communiter facilius nobis note
affirmacionibus quas exponunt. Et ex hinc, comparando
unum istorum ad infinita equalia alteri, expono com-
pendiose quod ipsum est tantum quantum est aliquod
reliquorum, per duas affirmativas et terciam negativam;
et sic per negacionem affirmacioni de positivo commu-
niter nociori expono per comparativam et superlativam.
Quamvis autem simplex sit affirmacio prior et nocior
negacione, tamen multe negaciones sunt multis affirma-
cionibus magis cognoscibiles. Dicitur ergo quod regulariter
omnis proposicio affirmativa de proprie comparativo A 56^a presupponit | suum positivum; et ex omni tali compara- The
tiva sequitur comparativa de termino opposito privative. presupposes the
positive, and implies another
opposite comparative,
with less:
A is greater
than *B*; *B* is less than *A*.
Every compared thing
is equal to itself; and if
greater than another, that
other is less than it.
Yet we cannot conclude from the less to the more unless the comparison is proper.
We may say:
A will be infinitely less white than *B* is; but not: *B* is infinitely more

25 Verbi gracia, *Sor est propria comparacione infinitum magnus*; et sequitur; *Sor est maior A*; ergo *A est minus Sor*. Et patet quod mundus est parvus, cum eius medietas sit minor ipso; sed non in comparacione ad mundo mayus, sed in comparacione ad aliud ipso maius
30 parvum etc. Deus autem est infinitum melior mundo; corpus, infinitum maius superficie; et tamen nec mundus est infinitum minus bonus deo, cum tunc deus foret parum bonus, nec corpus infinitum magnum, quia non est comparatio proprie dicta. Nec sequitur: *Plato in-*
35 *fuitum minus albus erit quam est Sor*, ergo *Sor infinitum maius albus est quam erit Plato*; quia non est affirmativa de proprie comparativo sed de termino infinito. Sequitur eciam: *binarius est duplus ad unitatem*; ergo *unitas est subdupla ad binarium*, quia eius medietas; sed non 40 sequitur quod sic in duplo minus multa sunt; nec

1. *poīlūi' A.* 4. *noticiora A.* 18. *nōcāi' A.* 29. *m̄do A;*
ib. *mains A.* 30. *m̄do A.* 36. *minus A.* 39. *c' m̄tas A.*

*white than A
will be, on
account of the
'infinite.'*
*2 is twice as
many as 1;
so 1 is half 2;
but not half as
many.*

binarius est minor unitate aut plurior, sed duplus. Est enim duplus ad aliud, vel quia duo talia continet, vel quia est in duplo maius; et sic abusive dicitur esse proporcio maioris inequalitatis duorum ad unum, quia diffinitae proporcio maioris inequalitatis est comparacio 5 maioris ad minus.

There are many
inexact
expressions: as
*two is more
than one,
something is
better than
nothing, one
not being many,
nor nothing
good.*

A unit is neither
large nor
small;
nor is every
whole larger
than its
quantitative
part, since the
smallest
possible
quantity is
composed of
*two
'indivisibles',
which are not
magnitudes.*

The two
methods ought
to be well
known by every
dialectician, so
that, if he
happens to
fail in either of
the two, he
may maintain
his position in
the other.

Et ideo sepe ponunt auctores tales comparaciones sub sensibus negativis; ut, *duo est plura quam unum,* sic exponendo: *duo sunt multa, et unum non est multa.* Ymmo, habundancius dicunt quod *aliquid est melius 10 quam nichil*, et per consequens *homo est melior chimera.* Ista tamen videtur figurativa locucio et inconsona sophistice, cum nec unitas sit maior binario, quia non parva vel pauca, nec binario ipsa minor; et per idem proporcione equalitatis nulla est maior vel minor; nec 15 omne totum est maius sua parte quantitativa; quia cum binarius sit sub unico et indivisibili gradu magnitudinis et maximo parvitas, tamen maxima parvitas possibilis constituitur ex duobus indivisibilibus, non tanquam ex suis partibus, cum nulla paucitas habet 20 partes. Nec minima magnitudo habet magnitudines, sed indivisibilia, suas partes. Large ergo loquendo, proporcio maioris inequalitatis est comparacio tocius ad eius partem quantitatивam, vel equivalenter, sicut proporcio minoris inequalitatis est habitudo partis quantitativer ad suum totum, vel equivalenter. Expedit ergo sophiste cognoscere istas duas vias, non solum ad intelligendum auctores, sed, cum prolapsus fuerit in alterutra, ut salvare se posset communiter in reliqua; et tanta de istis gradibus sufficient pro presenti. 30

3. ab sive A. 12, 13. sophiste' A. 14, 15. proporcionem A.
17. $\widehat{\text{uno}}$ A.

CAPITULUM DECIMUM OCTAVUM.

Sequitur de exposicione propositionum cum terminis Of terms in the
de plurali. Ubi primo notandum quod tripliciter con- plural.
tingit categoricam esse de terminis de plurali; vel A categorical
ratione subiecti, vel ratione predicati, vel ratione proposition may
utriusque. have either its
subject or its
predicate, or
both, in the
plural.

Sed ratione subiecti hoc est tripliciter: vel quod I. *The subject.*
subiectum sit terminus numeralis, vel appellativus Examples. 4 are
pluralis, vel copulativus, vel distinctivus: ut patet de 2 and 2; two
istis: *4or sunt 2^o et 2^o.* *Duo homines sunt homo, Sor men are human*
et Plato sunt Sor et Plato. In quibus omnibus quoad beings, A and B
suas probaciones est inter sophistas diversitas are A and B.
respon-
dendi. Potest ergo regulariter sustineri quod omnis affirmativa de subiecto de plurali et predicato non
affirmativa de subiecto de plurali et predicato non
15 numerali termino nec equivalente est inferribilis divisive;
ut si, *Sor et Plato currunt, vel sunt albi,* etc. tunc Every
A 56^b *tam unus quam alter est currens, vel huusmodi.* affirmative proposition of which the subject is plural, infers the predicate for each part of the subject, unless the latter be a numeral.

In istis tamen est maxima difficultas distribuendi, But when it is quando predicatum compositum equivalet termino equivalent to a numeral (as in the case of A and B, 20 numerali: *ut Sor et Plato ferendo simul A lapidem* non carrying a stone together; or of habent partes A lapidis quas approprietate ferunt; sed one body libet grave sufficit quantumlibet debile portativum ferre, saltim cum alio; et sic de calefaccione et aliis acci- heating another, &c., and in general when the different parts of the subject are related to parts in the predicate) dentibus que non specialiter sunt appropriate partibus agencium; ymmo universaliter, quando partes significati 30 per tantum spaciū; cum Sor traxit illam per A partem it thus. In this way two men may

1. Cap. deest A. 2. Initial S in red ink A. 4. caām A.

12. fōtās pro sophistas A; ib. veritales pro diversitas A. 13. sustinere A.

23. ptaīm A. 28. appōm A.

together do
many things
that each has
not done
completely.

But when two
agents produce
an effect, both
must produce
it, if they have
worked at the
same time; if
not, the first
produces
another effect,
predisposing to
the second, and
the latter the
effect itself.
The last drop
pierces the
stone.

Therefore, it
does not follow
that what has
previously parts
of a thing made
has made that
thing itself.

Others,
however,
say that when
a being,
intending to
make anything
makes a part
of it, he really
makes it; and
then the verb
in the present
is 'ampliated' to
all time.

In this sense
all things are
said to be
present to God.

But sophists,
considering this
method as too
complicated,
say that a man
does nothing
but what he is
engaged in at
the moment:

quate integrant illud spacium; et sic pertransierunt
illud spacium, occiderunt tot homines, sciunt septem
artes, etc. dum neutrum illorum sic fecit.

Verumtamen, si duo agencia produixerunt aliquid,
utrumque illorum produxit illud; quia vel simul pro- 5
duxerunt continue, et sequitur intentum; vel unum
unam partem, et aliud aliam; et tunc illud quod ultimate
produxit generat productum. Ymmo primum in
casu nou fecit productum; ut si A, medietas dati lapidis,
fuit generata, A B agente; et, post cessante, B C agens 10
produxit aliam medietatem; tunc dico quod B non
fecit illum lapidem, sed C, sicud ultima gutta facit
foramen ultimum vel concavitatem, et nulla gutta pre-
cedens; sed forte fecerunt alias concavitates, vel
disposuerunt ad aliam faciendam. Non ergo sequitur, 15
isti fecerunt A et B, ex quibus integratur; ergo fecerunt
C; quia stat A et B fuisse facta nunc ad centum
annos, et nunc prius C fieri ex illis. Et sic videtur
michi de domo et ceteris aggregatis quo ad suas
facciones.

Alia tamen est via que dicit quod omne intendens
aliquem finem et facit ens quod erit pars numeralis
eiudem facit illud; ut *homo dicit psalterium, facit*
domum, radit Romam et sic de multis, dum *infinicies*
pausabit antequam perfecerit. Et ampliat verbum de 25
presenti ad omne tempus; quia aliter non esset possi-
ble oracionem esse, nec ambulacionem, nec talia
aggregata, nisi verbum de presenti esset ampliatum
tam pro presentibus [et] preteritis quam futuris, que
intendebantur cum aliis pro certo fine. Et ex hac 30
radice credo quod aliqui ponunt omnia que sunt, fuerunt,
vel erunt, esse presencia quo ad deum, ampliando hoc
verbum esse [ad] existere, et fore. Et sic infinita sunt,
que non sunt in hoc instanti; et illud plus concordat
cum modo loquendi, quamvis videatur nimis inbrigabile 35
sophistis.

Ideo dicunt ipsi quod homo nichil facit nisi quod
ipse est in faciendo, sic quod continuabit faccionem
illius completam, si fuerit res absoluta. Et sic non est
possibile peregrinando hominem ire ab Anglia ad 40
Romam, scribere versum, dicere psalterium, et sic de

22. al^ly after numeralis A.

20. ei deest A.

33. ad deest A.

35. inbrigale A.

aliis discretis. Sed illud videtur nimis honerosum. Ideo dicit alia responsio quod dans ultimum complementum domui facit domum, faciendo domum esse, sed non aliquid quod prius partes illius fecit. Wulgus tamen, syndochice loquens, dicit quod quilibet operarius faciens illud quod erit pars domus talis figure facit domum; quod creditur esse falsum. Et conformiter de panno, libro et ceteris artificialibus.

A 57^a Media autem responsio, quamvis sit habundancior, est michi probabilius. Conceditur tamen | quod isti motores fecerunt istum motum, et nullum illorum movit illud mobile per tempus mensurans illum motum, quamvis quodlibet illorum fecit illum motum. Ponatur enim quod A sit mobile continue motum per diem, sed pro prima medietate movebitur a B et postmodum a C, corrupto B. Tunc patet prima pars cum ultima, ex hoc quod utrumque illorum fecit illum notum, quia hoc moveri vel esse in movendo per tantum temporis. Et media pars patet ex casu; et sic conceditur C 20 spacium esse pertransitum ab A et B, et nec pertransiebatur ab A nec a B; et sic quantumlibet magnum spacium potest esse quantum licet cito pertransitum, quantumcunque tarde movendo A multis mobilibus; a quolibet tamen illorum mobilium erit totale spacium 25 totaliter pertransitum, et tamen nullum illorum pertransibit illud spacium, nec pertransietur ab aliquo istorum; nec est spacium pertransitum, nisi primo in fine, sic quod manebit in fine. Ex quo patet quod spacium successive corruptum secundum partes ut sunt 30 pertransite, non erit a sic pertranseunte pertransitum, cum incipit non esse proprio instanti applicacionis illius pertranseuntis; et per idem nulla pars eius erit pertransita; et sic casus communis est impossibilis. Sed aliquod spacium suppositum erit pertransitum: et 35 formiter dicitur de calore, vel alio quocumque permanente, successive corrupto vel generato. Non enim generabitur aliquid huiusmodi successive, nisi maneat in fine, secundum totum generatum. Nec in tali casu successive corrumpetur, nec successive erunt partes eius, 40 sed proprio instanti applicacionis desinit esse; pro quo instanti erit ita quod corrumpens non aget in hoc nec in aliquam eius partem, sicut nec tanget; sed in

subiectum eius aget. Verumptamen corrumpetur hoc, id est, faciet hoc desinere esse non per accionem suam, sed per inpcionem accionis sue.

To return to the subject; none of these propositions is true distributively, so that each individual of the four is four, each knows the seven arts, and so on. They can know and not know these arts; 4 men are different from and yet are four. It does not follow that they are not four.

Reddeundo ergo ad propositum, videtur michi quod nulla talis affirmativa verificari poterit divisive; ut si 5 4^{or} sunt 4^{or}, tunc quodlibet illorum erit unum illorum 4; si isti sciunt septem artes, tunc quodlibet illorum scit aliquam septem arcium; et sic de aliis. Nec est inconveniens quod, si scient septem artes, et ignorant vel dubitent easdem, sicut 4^{or} homines differunt a 4^{or} et 10 tamen sunt 4^{or}. Nec sequitur quod isti nesciunt septem artes, vel non sunt 4^{or}, vel quod omnia que ignorant nesciunt, aut non sciunt. Pro quo notandum quod illa negacio, nota negans verbum respectu cuius fiunt tales duos sensus, negat utrumque sensum; ut, si isti non 15 sunt quatuor, tunc non aliquid istorum, nec ista simul sunt quatuor.

Thus it is quite possible for the most opposite attributes to belong at once to this plural subject without contradiction: white and not white, learned and unlearned (though not two and one);

they may love, hate, kill, fight, and conquer each other at the same time.

Ex quo patet quod ista non sunt contradictoria, *isti sunt albi et isti non sunt albi*, cum uno existente albo et reliquo non, foret utrumque falsum; et sic, quamvis 20 scita ab aliquibus sint ignorata vel dubitata ab eisdem, tamen impossibile est quod scita ab aliquibus sint nescita vel non scita ab eisdem, vel sint non scita ab illis, cum sint facta ab illis. Patet ergo quod hoc est falsum: *duo homines sunt unus homo*, quamvis *uterque 25 illorum sit unus homo*, quia cum subiectum non confunditur, tunc uterque illorum esset ille homo; ymmo per idem omnia essent duo, et per consequens non infinita multa essent, quia non plura quam duo. Patet eciam quod isti amant se, quia in casu reciproce, et 30 odiunt se, quia alternativum. Et per idem occidunt se, A 57^b quia alternativum, et per idem occidunt se alternativum, vel reciproce. Et sic pugnant ut vincant se, vel ut vincantur a se ipsis, et ut superentur et ut superent, sed non ut non vincantur. Nec sequitur; *isti 35 odiunt se, ergo non amant se, nec e contra; quia si non amant se, tunc non amant se reciproce; nec alternativum sequeretur*. Nec: *isti intendunt superari a se ipsis: ergo, intendunt ut non superent se ipsis*. Sicut ergo isti 4^{or} pugnantes sunt homines victores et homines non 40 victores, iusti et iniusti, homines sedentes et homines

non sedentes; sed stantes non sedent, stant; nec sedenti affertur non sedencia; et sic quatuor sunt 2^o et 2^o , et bis duo, sed non semel duo. Et sic, omnia tria sunt duo et duo; et licet communicancia nulla, tamen 2^o that those who stand sit.
 5 sunt, 2^o , et 2^o .

Nec sequitur: *isti duo sunt duo homines et duo animalia: ergo sunt duo et duo.* Nec sequitur, *iste ternarius est par isti ternario: ergo, est par.* Nec sequitur: *A et B sunt Sor et Plato, et illi differunt: ergo, A et 10 B differunt.* Sit A, Sor, et B, Plato et Sor; et tunc patet quod A est B, et quod hec nugatoria. Ut: qui *istorum numerorum (vel isti duo numeri) sunt Sor et Plato?* et breviter quandocunque termini sinonimi copulantur a parte eiusdem extremi est idem iudicium. *15 Ut: A et B differunt et sunt Sor et Plato,* quin per idem liceret infinites geminare: quod esset omnino nugatorium. Hec enim est nugatoria fore Sor et A; et sic de similibus.

Et patet quomodo dicendum est de terminis collectivis, 20 ut: *iste populus est albus, sapiens, fortis, bonus, etc.* Non enim, vere loquendo, *est* populus talis, nisi quelibet pars populi sit talis. Ideo sinodochica locucio videtur, concedendo populum esse iustum (*propter maiorem partem iustum*); et sic univoce dormire, *25 comedere, etc.* propter hoc quod pars eius sic se habet. Multa enim sunt locuta in talibus que sunt falsa. Conceditur ergo quod quilibet homo de populo est pars populi, sed nullius hominis pars est pars populi. Predicatum ergo singulare ampliatur ad significacionem 30 collectivam per subiectum collectivum, sicut est verbum singulare, etc. Unde conceditur quod populus est ens, et binarius est tantus quantus binarius punctorum, quia tot sunt ista, quot sunt illa.

Et sic binarius est divisibilis et nulla eius pars; 35 sicut homo emit equum et nullam eius partem; anima naturaliter informat hominem et non aliquam eius partem, et *unum* est pars numeri et nulla eius pars.

- i. sed stantes sed non sedent stant A. 2. ast' *pro* affertur A.
 ii. que *pro* qui A. 23. \widehat{vr} *pro* videtur A.

31. Later, Wyclif seems to have thought otherwise. In *De Apostasia* (p. 96) he quotes the following distich: *Populus est aliquid; sed populus nihil est.* But that may be an argument *ad hominem.*

Thus a couple
of points has
parts, but not
extended parts.

We cannot
conclude,
because their
parts have no
parts, that the
whole couple
has none.

When we say:
Thrice three
are nine, we
mean *three*
taken three
times; *you were*
twice at
Oxford, i. e.,
once and
another
separate time.
This couple of
points, though
quantitatively,
is not naturally
divisible.

Other sophisms
may be
resolved by this
means, as that
concerning
two written
propositions
which are
necessary, and
a third,
combining the
two, which is
impossible.

I should have
dealt with this
matter at
greater length,
had I not
feared to be
tedious; but in
my next work
all this is more
fully set forth.

Binarius ergo punctorum habet partes, et caret partibus extensis, sed non partibus. Unde non sequitur: *ista carent partibus*, vel *sunt minora B binario et ista sunt iste binarius*: ergo, *iste binarius sic se habet*; quia equivocatio est in apposito, racione termini numeralis 5 limitantis ad magnitudinem numeri, que est multitudo ad partes numerales. Sed terminus numeralis limitat ad verbum successivum, limitat ad sensum divisum pro vicissitudine; ut: *ter tria sunt novem*, quia *tria et tria et tria copulatim sunt novem*. Et: *bis fuisti Oxonie*,¹⁰ quia semel et alia vice interpollatim copulative; et sic, *A et B sunt ista duo puncta*, et tamen differunt ab *eisdem punctis*, quia divisim et alternatim; et tamen non est ita quod ista puncta non sunt ista, nec iste numerus est indivisibilis vel non divisibilis. Nec sequitur, ¹⁵ *ista sunt divisibilia quantitative quo ad molem*: ergo *sunt divisibilia*, quia sunt naturaliter indivisibilia, nisi forte homo equivocaverit.

Et iuxta tales sensus concedunt quidam tales conclusiones. *Tantum iste sunt proposiciones scriptae*, quarum A 58^a utraque est necessaria; et alia est proposicio scripta impossibilis, que non est altera illarum, sed tercia que non differt ab illis. Et sic de multis aliis in quibus oportet diligenter advertere ad nugacionem; ut, posito quod *solum hoc vel pars eius sit scriptum*; “*deus est 25 deus*”, quorum primum sit A, secundum B, tertium C, quod significet *deum esse B*, tunc videtur tota conclusio patere. Nota tamen quod probabile videtur quod A sit de numero aliquorum que non sunt, quia de numero communi formaliter dicto quo aliqua numerantur, ³⁰ quorum unum est et aliud non potest esse; et hoc tollit multas probaciones conclusionum.

Totam istam materiam tractarem diffusius, si non obstaret prolixitas quam adhuc timeo iuvenibus tediosam. Ideo relinquens videre volentibus in superiore opere ³⁵ meo totum hoc planius pertractatum, huic meo tractatui finem pono.

17. *indivisibilia pro divisibilia A.* 19. *excedunt A.* 36. *tractui A.*

Superiore. “Next”. Just as *proximus* always means “last”, with Wyyclif.

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 *The Executive Committee call your special attention to the need of adding to the number of the Society's members, and of Subscriptions being paid in advance, so that the Society may get quickly through the rest of its work. Will you do all you can to bring this about?*

COPIES OF THIS REPORT FOR JUDICIOUS DISTRIBUTION MAY BE OBTAINED OF THE SECRETARY.

The Wyclif Society.

MAY, 1892.

THE WYCLIF SOCIETY was founded in 1882 to remove from England the disgrace of having till then left buried in manuscript the most important works of her great early reformer, JOHN WYCLIF. This scandalous neglect extended over nearly 500 years. Wyclif died in 1384. Not till 466 years after was his English Bible printed. Not till 485 years after did his *Select English Works* appear; and not till 1881 were the rest of his ENGLISH works printed.

These publications shew us Wyclif in his purely English aspect, as the first translator of our Bible and THE FATHER OF ENGLISH PROSE, but they help us very little to follow the growth and development of his mind, or to understand his immense influence as the teacher of Huss and the originator of the Reformation in Europe. "No writings so important for the history of doctrine are still buried in manuscript," as Wyclif's, said Dr. Shirley 27 years ago; and their interest is by no means confined to the theologian. The relation of Wyclif's teaching to the later Lollards and to the social fermentation of his own period, may be mentioned as one among many matters in which the publication of his works would be of great service to the historian.

Till the Wyclif Society started, only one treatise of importance, the *Trialogus*, had ever been printed¹ out of the great mass of the Reformer's Latin writings. Published abroad in 1525, and again in 1753, it was edited for the Oxford University Press in 1869 by Dr. Lechler. A few tracts (not 100 pages in all) are contained in Shirley's *Fasciculi Zizaniorum*; and this was all that England had done up to 1882, to make the chief works of this great son of hers accessible.

¹ All the works of his chief opponent, the Carmelite THOMAS NETTER, or WALDEN (because he was of Saffron Walden), have been printed over and over again.

2 *The Wyclif Society to Publish all Wyclif's Latin Works.*

In Germany Dr. Lechler had printed a few short pieces; and two volumes of *Polemical Tracts*, edited by Dr. Rudolf Buddensieg of Dresden, and in part paid for by the King of Saxony, were adopted and issued as the Wyclif Society's volumes for 1882 and 1883. We cannot desire that German scholars and princes should complete the work which falls by right to Englishmen; and even if we had reached that pitch of supine contentment it is unlikely that our wishes would be fulfilled. It is time for us to wake up from our lethargy, and set our hands manfully to the duty before us.

The year 1884 was the 500th anniversary of WYCLIF'S death, and a few men then resolved that the *Wyclif Society* should be kept on foot until all the Reformer's genuine writings are given to the world through the Press. Half of them, or rather more, have since been issued by the Society. The rest are nearly all copied, and most of them are in editors' hands, preparing for the press.

If only 400 members can be obtained at a guinea a year for the Society, ten more years will probably see the whole work done.

A full English abstract or digest of each of the Society's volumes is given in it, so as to make reference easy to the student, and to enable the English reader to get a knowledge of the contents. The Society's volumes are in demy 8vo, the size of the works already published by the Oxford Press and the Early English Text Society.

The Subscription to the Society is ONE GUINEA A YEAR, due on every 1st of January. (An immediate (1892) payment of eleven guineas puts a new member in the position of an original subscriber.) Each guinea entitles the subscriber to the Society's publications for the year for which it is paid.¹ Members' names and subscriptions should be sent either to the *Honorary Secretary*, John W. Standerwick, General Post Office, London, E.C., or to Prof. Montagu Burrows, 9, Norham Gardens, Oxford.

Any members who are able and willing to spare the money, will help the Society's work very much by paying five years' subscription in advance, as treatises can then be sent to press directly the Editor has prepared them, and the volumes can be issued as soon as they are finished. Donations will be gladly accepted.

One most important way of helping the cause of theology,

¹ Members incur no liability whatever beyond the guinea for the year they subscribe for.

history and scholarship generally is that of subscribing to the *Wyclif Society* and presenting its issues to some Public Institution. This was done by the late Mr. Samuel Morley on behalf of ten Theological Colleges and other Institutions, and all these subscriptions lapsed at the end of 1887. A few of them have since been taken up by other friends, but the others in these "hard times" know not where to look for the required assistance.

The Committee appeal to all who care for the Religion, the Freedom, the Language, and the History of England, for aid in the work they have undertaken. No party feeling whatever enters into the Society's plan. The only desire is to do England's long-neglected duty to the memory of a great English Worthy.

Wyclif's Latin works fall under four main heads :—

1. SYSTEMATIC THEOLOGY, including the relation of Church and State, &c. Of this the chief collection is the *Summa Theologie* in twelve books (of which half have been issued by the Society). The rest of the *Summa*, and of its introduction *De Dominio* and *De Dominio Divino*, will take at least seven 8vo. volumes.

2. SERMONS, these have been issued by the Society in four volumes, edited by Professor Loserth.

3. EXPOSITION OF *THE SERMON ON THE MOUNT*, Matthew xxiii.-xxv. containing invective akin to Luther's, now at press, to be finished in 1892.

4. LOGIC AND PHILOSOPHY. The chief treatise in this section is *De Ente*. Parts of this, with other treatises in this section, were copied by Huss, and his autograph copy is still in the Royal Library at Stockholm. In addition to their influence on the Bohemian movement, these philosophical works are important as being continually referred to by Wyclif in his later writings, and by his opponent Walden. These will probably take five volumes, of which the first (*Logica et Logicae Continuatio*) is nearly through the press. Besides these main subjects, there are two less ones,

5. PROTESTS, DISPUTATIONS, AND EPISTLES, and

6. CHURCH GOVERNMENT AND ENDOWMENTS, which will probably take two volumes each.

THE WYCLIF SOCIETY.

The Society's Publications for 1882—1893 (£1 1s. each year) are:—

- 1882. 1. Wyclif's *Latin Polemical Works*, vol. I., edited by Dr. R. Buddensieg.
- 1883. 2. " " vol. 2,
- 1884. 3. Wyclif's *De Civilis Dominio*, Lib. I., edited by Dr. Reginald L. Poole.
- " 4. Wyclif's *De Compositio Hominis*, edited by Dr. Rudolf Beer.
- 1885. 5. Wyclif's *De Ecclesia* (with Facsimile of the MS.), ed. Prof. Loserth.
- " 6. Wyclif's *Dialogus, sive Speculum Ecclesiae Militantis*, edited by A. W. Pollard, M.A.
- 1886. 7. Wyclif's *De Benedicto Incarnatione*, edited by the Rev. E. Harris, M.A.
- " 8. Wyclif's *Sermones*, Part I., edited by Prof. Loserth, Ph.D.
- 1887. 9. Wyclif's *Sermones*, Part II., edited by Prof. Loserth, Ph.D.
- " 10. Wyclif's *De Officio Regis*, edited by A. W. Pollard, M.A., and C. Sayle, B.A.
- 1888. 11. Wyclif's *Sermones*, Part III., edited by Prof. Loserth, Ph.D.
- " 12. Wyclif's *De Apostasia*, edited by M. H. Dziewicki.
- 1889. 13. Wyclif's *Sermones*, Part IV. and last, edited by Prof. Loserth, Ph.D.
- 1890. 14. Wyclif's *De Dominio Divino*, edited by Reginald L. Poole, M.A., Ph.D.
- 1891. Wyclif's *Quaestiones* and *De Ente predicalentali*, edited by Dr. R. Beer.
- 1892. Wyclif's *De Eucharistia*, edited by Prof. J. Loserth, Ph.D.
- 1893. Wyclif's *De Blasphemia*, edited by M. H. Dziewicki.

The Society's Future Publications will be:—

- Wyclif's *De Simonia*, edited by Dr. Herzberg-Fränkel. (*Text all set.*)
- Wyclif's *Opus Evangelicum*, edited by Prof. J. Loserth, Ph.D. (*At press.*)
- Wyclif's *Logica, et Logicae Continuatio*, edited by M. H. Dziewicki.
- Wyclif's *De Ente*, edited by M. H. Dziewicki.
- Wyclif's *De Mandatis Divinis*, edited by F. D. Matthew.
- Wyclif's *De Statu Innocentiae*, edited by F. D. Matthew.
- Wyclif's *De Civili Dominio*, Lib. II., edited by Prof. J. Loserth, Ph.D.
- Wyclif's *De Veritate S. Scripturae*, edited by Dr. R. Buddensieg.
- Wyclif's *De Potestate Papae*, edited by A. Patera, Ph.D.
- Wyclif's *Miscellanies I.*, edited by the Rev. H. Schnabel, Dresden (Nos. 54–61 in Shirley's Catalogue).
- Wyclif's *Miscellanies II.*, edited by C. Sayle, B.A. (Nos. 43, 44, 49, 56, 68, 77, 95, in Shirley's Catalogue).
- Wyclif's *De Actibus Animae*, edited by M. H. Dziewicki.
- Wyclif's *Miscellaneous Philosophical Works*, edited by M. H. Dziewicki.

And the rest of Wyclif's Latin Works.

The very heavy outlay for copying in 1882, 1883 (£295) made the issue of more than two volumes in them impossible. The *Polemical Works* then issued contain the following numbers of Shirley's Catalogue, with Critical and Historical English Notes, and Introduction:—

A.—Against the Sects.

- 25. *De Oratione et Ecclesiæ purgatione*. In five chapters.
- 27. *De Septem Donis Spiritus Sancti*. In nine chapters.
- 29. *De Diabolo et Membris ejus*. In five chapters.
- 31. *De Purgatorio*. (Part of No. 79, below.)
- 33. *De Solutione Satanae*.
- 49. *De Triplici Vinculo Amoris*. In ten chapters.
- 73. *De Domino Meridianio*. (Written after 1376.)
- 78. *De Perfectione Statuum, sive De Miioribus Fratribus se exfolletibus*, against the boasting of the Franciscans.
- 79. *De Nova Prævaricata Mandatorum*. In eight chapters. ('A very interesting tract against the Regulars, written after the Great Schism of the West,' A.D. 1376.)

80. *De Religionibus variis Monachorum, sive De Fundatore Religionis.*
 81, 82. *De Religione Privata, I., II.*
 84. *De Ordinatione Fratrum.* Shirley's *Concordatione Fratrum cum secta simplici Christi, sive De Scottis Monachorum.* In four chapters.
 85. *De Quatuor Sectis Novellis.* (1. The Priests endowed with lands and lordships; 2. The landed Monastic Orders; 3. The Canons; 4. The Begging Friars.)
 86. *De Detectione Perfidiarum Antichristi.*
 87. *De Novis Ordinibus.* In three chapters.
 88. *De Mendacitate Fratrum.*
 89. *Descriptio Fratris.*
 91. *De Fundatione Sectarum.*
 97. *Purgatorium secta Christi, sive contra Religiosa Privatas,* Ashburnham M.S. xxvii. c. ff. 49-59. (This is not in Shirley's Catalogue. It is an exhortation to put down the sects of Friars.)

B.—Against the Pope.

72. *De citationibus frivolis et aliis versutiis Antichristi.*
 74. *De Dissensione Paparum sive De Schismate* (A.D. 1378). (Also in English, Shirley, No. 59, p. 48. Printed in Arnold, iii. 42.)
 75. *Contra Cruciatam Papae.* In nine chapters. (On the Crusade of the rival Popes against each other during the Great Schism.)
 76. *De Christo et suo Adversario Antichristo.* In fifteen chapters.
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 93. *De Quatuor Imprecationibus.* (Four conclusions about the state of the English Clergy.)
 96. *De Duobus Generibus Hæreticorum.*

WYCLIF'S OTHER WORKS.

Select English Works of John Wyclif. Ed. T. Arnold, M.A. 3 vols. 8vo. Clarendon Press, 1871. Published at 42s., but now reduced, at the request of the Wyclif Society, to 21s.

English Works of Wyclif hitherto unprinted. Ed. F. D. Matthew. Early English Text Society, 1879, 21s.; can be had at Members' price, 14s. 6d., through Dr. Furnivall.

The Holy Bible in the Earliest English Versions, made from the Latin vulgate by John Wycliffe and his Followers. Edited by the Rev. J. Forshall and Sir F. Madden. Clarendon Press, 1850. 4 vols. Royal 4to. 63s.

The New Testament in English, according to the version by John Wycliffe, about A.D. 1380, and revised by John Purvey, about 1388. With Introduction and Glossary by W. Skeat, M.A. Extra fcap. 8vo. Clarendon Press, 1879. 6s.

The Books of Job, Psalms, Proverbs, Ecclesiastes, and the Song of Solomon, according to the Wycliffite Version made by Nicholas de Hereford, about A.D. 1381, and revised by John Purvey, about A.D. 1388. With Introduction and Glossary by W. W. Skeat, M.A. Extra fcap. 8vo. Clarendon Press, 1881. 3s. 6d.

Joh. de Wyclif "Tractatus de Officio Pastorali." Ed. Lechler. Lips. 1863. 4s.

Joannis Wycliff "Trialogus Cum Supplemento Trialogi." Ed. G. Lechler. Clarendon Press, 1869. 8vo. Published at 14s., but now reduced, at the request of the Wycliff Society, to 7s.

Joh. Wycliff's "de Christo et suo Adversario Anti-Christo." Ein polemischer Tractat, herausgegeben von Dr. Rudolf Buddensieg. F. A. Perthes, Gotha, 1880. 2 Mark (2s.)

WORKS ON WYCLIF.

John Wyclif: his Life, Times, and Teaching. By the Rev. A. R. Pennington, M.A., Canon of Lincoln, etc. Fcap. 8vo. cloth boards, 3s. Society for Promoting Christian Knowledge.

Life of John Wyclif. With a Portrait. By F. D. Matthew. Post 8vo. Limp cloth, 6d. Sociey for Promoting Christian Knowledge.

Wyclif and Hus. By Dr. Johann Loserth. Hodder and Stoughton, 7s. 6d.

John Wycliffe and his English Precursors. By Prof. Lechler. Religious Tract Society. 1884. Wyclif's Place in History. By Prof Montagu Burrows. 2nd Ed. Isbister, 1884. 3s. 6d.

THE WYCLIF SOCIETY.

By JAMES GAIRDNER, *Editor of the "Calendar of the State Papers of Henry VIII., etc."*

"THE WYCLIF SOCIETY is greatly in need of additional members, and the existing members are urged to do all they can in the way of personal application to their friends to induce others to join. For my part there is no cause which I would so willingly help by such a method; but instead of writing little notes to individual friends, I prefer, with your permission, to point out the special claims of the Society in the columns of the *Athenæum*.

"It is probably thought by many that the substance of WYCLIF's writings is pretty well known by this time, and that even if several remain unprinted, there can be no doubt about their general tendency. The truth is precisely the reverse; the great bulk of WYCLIF's writings remains in MS. to this day, some of them at Cambridge, some at Oxford, and some at Dublin, but most part as far away as Vienna. The handwritings cannot be read without special training, and the best palaeographer of the present day could hardly follow the argument until a whole treatise had been carefully transcribed.

"It may be thought, however, that this is a matter for the learned; that there are sure to be enough of special scholars interested in the work; and that it has no interest, after all, outside the region of antiquarian theology. The truth, again, is precisely the reverse. The work is one that ought to interest everybody; but it is very hard, from various causes, to get even a handful of men to subscribe their guinea apiece. For, in the first place, we lose in relation to this particular object the co-operation of a large body of men who in other cases are among the most ready to assist in the diffusion of a taste for early literature. You might just as well ask a Jew to a dinner on pork as invite a Roman Catholic to join with you in helping to propagate writings distinctly labelled as poisonous by the authorities of his own Church. But then this is just one of the points that give them a peculiar interest. The Church of Rome condemned the doctrines of WYCLIF, but then the Church of Rome never put him on his trial for them; for however willing it, no doubt, was to do so, as a matter of fact he never was really called on to defend them while he lived, and he got leave to die unmolested. Moreover, although the Church of Rome did not encourage men to read his writings, it did encourage men to read the answers to them; and unless we are satisfied, as every Romanist is bound to be, that the answers were perfectly fair and conclusive, so that we can read WYCLIF's mind quite sufficiently through the statement of his opinions by his antagonists, it is really incumbent on those who think WYCLIF a great figure in history to inquire what it was that he actually did say. WYCLIF's great opponent was THOMAS NETTER of Walden, who wrote thirty or forty years after his death, and his 'Doctrinale' has been printed over and over again, while the works of WYCLIF have been suffered mostly to remain in MS. Now, without in the least insinuating that THOMAS NETTER of Walden was an unfair controversialist, it is surely not unreasonable to suspect that we cannot get the whole of WYCLIF's mind through such a channel as this. The object of NETTER was simply to seize upon certain propositions, believed to be of a dangerous tendency, which were found in WYCLIF's writings, and to confute them. WYCLIF, if he had been then alive, might possibly, for aught we know, have explained his words otherwise, or even have pointed to other passages in his writings diametrically opposed to the interpretation put upon them by THOMAS of Walden. Moreover there is no doubt that in some points the doctrines of WYCLIF's immediate followers differed materially from his own, and how far this confusion has extended is a matter that requires investigation. It may quite possibly have coloured the interpretation put upon WYCLIF's own words.

"But again it may be thought that the causes which prevent Roman Catholics aiding in this publication must stimulate the energies of Protestants all the more, so that religious zeal may be trusted to get the work accomplished.

Nothing, I fear, could be a greater mistake. Protestants as well as Roman Catholics have their own delusions about WYCLIF; indeed I strongly suspect they have some delusions in common; and neither side, possibly, is very anxious to have those delusions removed. We must, therefore, look mainly to those fearless lovers of truth who are not particularly wedded to any system whatever, or believe firmly in their hearts that the principles which they profess will stand the most rigid inquiry. It is to such men that the Society should look for its principal support—to men not of any particular school of theology, but to men of all views, whether High or Low, dissenting or rationalistic, who are not afraid of the ground they stand on crumbling beneath their feet, and are only anxious to help in the elucidation of a very interesting chapter in the history of opinion."—JAMES GAIRDNER (*Athenæum*), July 15, 1882.

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By Donations	3 8 6	To Balance, 31 December, 1891	6 17 8
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