and hence, of course, where there is no body remained indeterminate. is his statement (against the Atomists) that Philosophy (India). not the plenum but the void is incompatible Valentinus. Supposed to be an Egyptian, any definite movement (which implies place) Heracleon, and Secundus. and nothing to bring a body ever to rest Validity [Lat. ralidus, strong]: (Ger. mena of light and heat. Outside the world; said to be valid, however, there is no empty space. The Every argument or inference professes to Stoics reversed this position. Space within conform to a general method or type of reaand infinite.

Ital. vago. Indeterminate in intention.

including body with reference to the included; quently, present themselves that his habit

there can be no space. Specially ingenious Vaiceshika Philosophy: see ORIENTAL

with motion. The void would be absolutely who lived in Alexandria and Cyprus. Taught homogeneous in all directions, without dis- in Rome, 140-60 A.D. He was founder of tinctions of place, and there would be in it. the Gnostic sect of Valentinians. He taught, therefore, nothing which could give a body among many others, Ptolemaeus, Axionicus,

(Zeller, Gesch. d. gricch. Philos., ii. 399-401). Gültigkeit; Fr. validité; Ital. validità. The Strato agreed with Aristotle in his polemic possession by an argumentation or inference against the Atomists, but still asserted the of that sort of efficiency in leading to the void as necessary to account for certain pheno- truth, which it professes to have; it is also

the world is simply the limits of bodies, soning, which method, it is held, has one kind or the distance between the limits of a body; of virtue or another in producing truth. In but beyond the world there exists an absolutely order to be valid the argument or inference empty and infinite space. After this time, must really pursue the method it professes to the conception is best treated in connection pursue, and furthermore, that method must with that of space, save to remark that have the kind of truth-producing virtue which Descartes, by identifying matter with ex- it is supposed to have. For example, an intension, reduced the conception of the vacuum duction may conform to the formula of inducto a self-contradictory absurdity. In general, tion; but it may be conceived, and often is it may be remarked that the conflict regarding conceived, that induction lends a probability plenum and void is part of the larger conflict to its conclusion. Now that is not the way between a mathematical-logical construction in which induction leads to the truth. It of nature which tends to identify space with lends no definite probability to its conclusion. the ultimate basis of the material (as Plato It is nonsense to talk of the probability of a and Descartes), and a mechanico-physical one, law, as if we could pick universes out of a like Atomism; or, logically, it has to do with grab-bag and find in what proportion of them the relation of the discrete and continuous; the law held good. Therefore, such an inducmetaphysically, with the question of the finite tion is not valid; for it does not do what it (J.D.) professes to do, namely, to make its conclusion Vague (in logic) [Lat. vagus, rambling, probable. But yet if it had only professed indefinite : Ger. unbestimmt; Fr. rague; to do what induction does (namely, to commence a proceeding which must in the long A proposition is vague when there are run approximate to the truth), which is inpossible states of things concerning which it finitely more to the purpose than what it is intrinsically uncertain whether, had they professes, it would have been valid. Validity been contemplated by the speaker, he would must not be confounded with strength. For have regarded them as excluded or allowed an argument may be perfectly valid and yet by the proposition. By intrinsically un-excessively weak. I wish to know whether certain we mean not uncertain in con- a given coin is so accurately made that it will sequence of any ignorance of the inter-turn up heads and tails in approximately preter, but because the speaker's habits equal proportions. I therefore pitch it five of language were indeterminate; so that times and note the results, say three heads one day he would regard the proposition and two tails; and from this I conclude that as excluding, another as admitting, those the coin is approximately correct in its form. states of things. Yet this must be under- Now this is a valid induction; but it is constood, to have reference to what might be temptibly weak. All simple arguments about deduced from a perfect knowledge of his matters of fact are weak. The strength of state of mind; for it is precisely because an argument might be theoretically defined these questions never did, or did not fre- as the number of independent equal standard

the examination of it would involve must be accuracy. one of the main factors of its urgency.

-Returning to the matter of validity, an hypothesis, not involving contradiction, be ought to be

unit arguments upon the other side which argument assigns to its conclusion; for that would balance it. But since it is next to is all that is pretended. Thus, an argument impossible to imagine independent arguments that out of a certain set of sixty throws of a upon any question, or to compare them with pair of dice about to be thrown, about ten will accuracy, and since moreover the 'other side' probably be doublets, is rendered valid by is a vague expression, this definition only the fact that if a great number of just such serves to convey a rough idea of what is arguments were made, the immense majority meant by the strength of an argument. It is of the conclusions would be true, and indeed doubtful whether the idea of strength can be ten would be indefinitely near the actual made less vague. But we may say that an average number in the long run. The validity induction from more instances is, other things of induction is entirely different; for it is being equal, stronger than an induction from by no means certain that the conclusion acfewer instances. Of probable deductions the tually drawn in any given case would turn more probable conclusion is the stronger. In out true in the majority of cases where prethe case of hypotheses adopted presumptively cisely such a method was followed; but what on probation, one of the very elements of is certain is that, in the majority of cases, the their strength lies in the absence of any other method would lead to some conclusion that hypothesis; so that the above definition of was true, and that in the individual case in strength cannot be applied, even in imagina- hand, if there is any error in the conclusion, tion, without imagining the strength of the that error will get corrected by simply perpresumption to be considerably reduced, sisting in the employment of the same me-Perhaps we might conceive the strength, or thod. The validity of an inductive argument urgency, of a hypothesis as measured by the consists, then, in the fact that it pursues a amount of wealth, in time, thought, money, method which, if duly persisted in, must, in &c., that we ought to have at our disposal the very nature of things, lead to a result before it would be worth while to take up indefinitely approximating to the truth in that hypothesis for examination. In that the long run. The validity of a presumptive case it would be a quantity dependent upon adoption of a hypothesis for examination conmany factors. Thus a strong instinctive sists in this, that the hypothesis being such inclination towards it must be allowed to be that its consequences are capable of being a favouring circumstance, and a disinclination tested by experimentation, and being such an unfavourable one. Yet the fact that it that the observed facts would follow from it would throw a great light upon many things, as necessary conclusions, that hypothesis is if it were established, would be in its favour; selected according to a method which must and the more surprising and unexpected it ultimately lead to the discovery of the truth, would be to find it true, the more light it so far as the truth is capable of being diswould generally throw. The expense which covered, with an indefinite approximation to

Value: see WORTH.

Value (economic) [OF. value, from Lat. argument professing to be necessary is valid valere, to be worth]: Ger. Werth; Fr. valeur; in case the premises could not under any Ital. ratore. An estimate of what a price

true, without the conclusion being also true. The word value is used in a number of If this is so in fact, while the argument fails different meanings, but this idea of a permanent to make it evident, it is a bad argument standard or cause of price, as distinguished rhetorically, and yet is valid; for it absolutely from a temporary or accidental phenomenon, leads to the truth-if the premises are true: lies at the basis of them all. Sometimes It is thus possible for an argument to be value is used in the sense of utility; for valid and yet bad. Yet an argument ought instance, when we say that an article has not to be called bad because it does not eluci- a value to the owner out of all propordate steps with which readers may be assumed tion to the amount for which he can sell it. to be familiar. A probable deductive argu- This sense of the term was characterized ment is valid, if the conclusions of precisely by Smith as "value-in-use.' Modern writers such arguments (from true premises) would avoid this term of Smith's, and say 'degree be true, in the long run, in a proportion of of utility' (Jevons) or Ophelimity (q.v., times equal to the probability which this Pareto). The marginal degree of utility, or