

Logic Notes #9

Aristotelian Logic: Second Figure Categorical Syllogisms

a. Valid Second Figure Forms

<u>Name</u>	<u>Schema</u>	<u>Example</u>
Cesare	Epm <u>Asm</u> Esp	No computers are capable of common sense. All human beings are capable of common sense. So, no human beings are computers.
Camestres	Apm <u>Esm</u> Esp	All persons are capable of language use. No computers are capable of language use. So, no computers are persons.
Festino	Epm <u>Ism</u> Osp	No plants have the power of sensation. Some living things do have the power of sensation. So, some living things are not animals.
Baroco	Apm <u>Osm</u> Osp	All animals have the power of sensation. Some living things do not have the power of sensation. So, some living things are not animals.

b. Trivially Valid Second Figure Forms

forms in which a particular conclusion is drawn when a universal conclusion would be possible

<u>From</u>	<u>Trivial Schema</u>	<u>Example</u>
Cesare	Epm <u>Asm</u> Osp	No computers are capable of common sense. All human beings are capable of common sense. So, some human beings are not computers.
Camestres	Apm <u>Esm</u> Osp	All persons are capable of language use. No computers are capable of language use. So, some computers are not persons.

c. Analysis of the Second Figure

second figure syllogisms separate two concepts (in other words, supporting a negative conclusion) by including one end term in the scope of the middle term (in an affirmative premise) and excluding the other end term from it (in a negative premise)
 the middle term is predicate in both premises

<p>Second Figure syllogisms can be seen as:</p> <p><i>asserting a rule</i> the major premise, rules are always universal statements; and</p> <p><i>denying a result</i> the minor premise results can be in any form so, denials [contradictories] can be in any form, yielding</p> <p><i>a denial of the case</i> the conclusion cases are always affirmative, so the denial is always negative that is why the conclusion is always negative</p>	<p>Rule</p> <p><u>Denial of Result</u></p> <p>Denial of Case</p>	<p>Universal</p> <p><u>Any</u></p> <p>Negative</p>
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