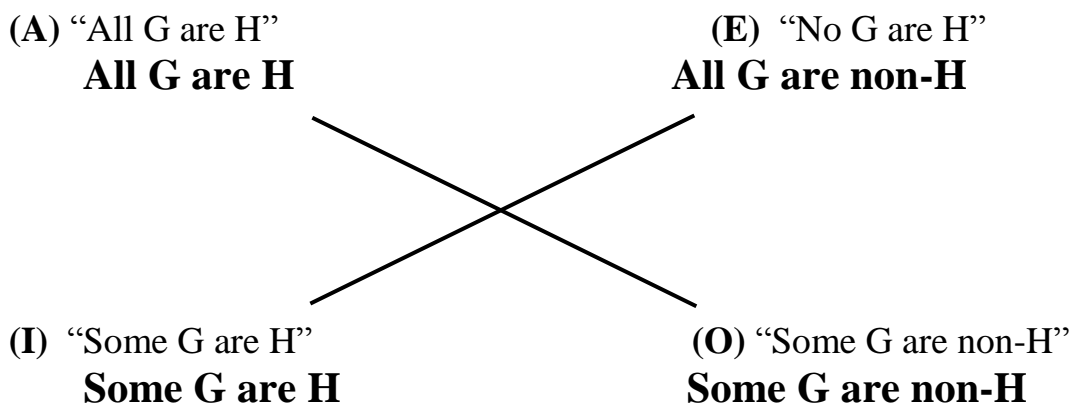


4.2. Categorical Syllogism

2. Categorical Sentences and Categorical Syllogisms. A class of arguments (called “**categorical syllogisms**”) employ just the four kinds of sentences listed below, said to be in “**categorical form**”.

Square of Opposition



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Here “G” is the subject, “H” the predicate.

A **categorical syllogism** is an argument with two premises and one conclusion, each in categorical form. Both the following arguments qualify as categorical syllogisms.

1. All men are mammals
 2. All mammals are warm-blooded animals
-
- ∴ All men are warm-blooded animals

1. All men are mammals
 2. All mammals are non-lizards
-
- ∴ Some men are lizards

In the first of these arguments the conclusion follows validly from the premises, whereas in the second the conclusion obviously does not.