Practice: Rule Method and Counterexample Method

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**Use Rule Method to examine the following arguments:**

1. Some dogs are not animals. For all horses are animals and some dogs are not horses.
2. Only local students are admitted to the class. John is a local student, so he is admitted to this class.

Answers:

|  |  |  |  |
| --- | --- | --- | --- |
| Q | Standard categorical syllogism form | Mode | Evaluative status (including fallacy if any) |
| 1 | P1: All horses are animals  P2: Some dogs are not horses  C: Some dogs are not animals. | Md A Pu  Su O Md  Su O Pd | Invalid. Fallacy of illicit distribution of major term. |
| 2 | P1: All students who admitted to this class are local students.  P2: All people identical to John are people who are local students.  C: All people identical to John are people who admitted to this class. | Md A Pu  Sd A Mu  Sd A Pu | Valid |

**Use Counterexample Method to examine the validity:**

1. Many philosophers are determinists. Anyone who is a fatalist is a determinist. So, many fatalists are philosophers.
2. All movie stars are actors who are famous, because all movie stars who are famous are actors.

Answers

|  |  |  |  |
| --- | --- | --- | --- |
| Q | Standard categorical syllogism form | Mode | Counter-argument |
| 1 | P1: Some philosophers are determinists.  P2: All fatalists are determinists.  C: Some fatalists are philosophers. | Some P are M  All S are M  Some S are P | P1: Some cats are male.  P2: All boys are male.  C: Some boys are cat. |
| 2 | P1: All movie stars who are famous are actors.  C: All movie stars are are actors who are famous | All A who are B are C  All A are C who are B | P1: All male who are unmarried are bachelor  C: All male are bachelor who are unmarried. |