

6. Aristotelian Logic
The Categorical Syllogism:
Mood & Figure

A. For each of the following forms, state the mood and figure.

1. Epm
Asm
Esp

2. Emp
Ams
Osp

3. Emp
Ems
Esp

4. Imp
Ims
Isp

5. Apm
Asm
Isp

6. Opm
Asm
Esp

7. Opm
Asm
Osp

8. Amp
Oms
Osp

9. Apm
Ems
Esp

10. Epm
Ism
Esp

11. Asm
Amp
Ips

12. Apm
Ams
Isp

13. Amp
Asm
Esp

14. Amp
Ism
Isp

15. Apm
Osm
Osp

16. Amp
Oms
Osp

17. Opm
Ams
Osp

18. Opm
Asm
Osp

B. For each of the following arguments, state the mood and figure.

1. All wars waged by legitimate authority in a just cause and with a right intention are just wars. The US war against Japan was a war waged by legitimate authority in a just cause and with a right intention. So, the US war against Japan was a just war.
2. No attacks on civilian populations are justifiable military operations. Some American military operations were attacks on civilian populations. So some American military operations were not justifiable military operations.
3. All virtuous human beings have good judgment. Some of my roommates friends do not have good judgment. So, some of my roommates friends are not virtuous human beings.
4. All virtuous people have the virtue of moderation. No one who deliberately gets drunk has the virtue of moderation. So, no one who deliberately gets drunk is a virtuous person.
5. Anyone who knows who King Zog is has a good command of Albanian history. And anyone who knows who King Zog is a person I want to hang out with. So, some people I want to hang out with are people who have a good command of Albanian history.
6. All Martians are inhabitants of other planets. Some Martians are not intelligent. So, some intelligent beings are not inhabitants of other planets.
7. All Martians are inhabitants of other planets. No Martians are six-legged. So, no six-legged beings are inhabitants of other planets.
8. All persons are capable of reasoning, but no non-human animals are capable of reasoning. So, no non-human animals are persons.
9. Anyone who corrupts the youth of his own city harms himself. Socrates does not harm himself. So, Socrates does not corrupt the youth of his own city.
10. No herbivores have sharp teeth and no cows have sharp teeth. So, all cows are herbivores.
11. Any unwillingness to live with the decisions of a city in which we choose to dwell would be a refusal to fulfill an agreement we have made. Socrates' attempt to escape would be an unwillingness to live with the decisions of a city in which he chose to dwell. Socrates' attempt to escape would be a refusal to fulfill an agreement he has made.

12. No one who commits a crime without deliberation would be deterred by the prospect of capital punishment. Some murderers commit their crimes without deliberation. So, some murderers will not be deterred by the prospect of capital punishment.
13. No naturalized citizen is eligible for the Presidency. But no one born in the United States is a naturalized citizen, so everyone born in the United States is eligible for the Presidency.
14. No Socialists are Senators. All Senators are members of Congress. So no Socialists are members of Congress.
15. All poisons are bitter. Arsenic is not bitter. Therefore, arsenic is not a poison.
16. Anyone who eats meat is in no position to object to hunting. And you eat meat, so you are in no position to object to hunting.
17. No naturalized citizen is eligible for the Presidency. And Henry Kissinger is a naturalized citizen. So, he is not eligible for the Presidency.
18. Any girl who goes out with John needs to have her head examined. Mary goes out with John. So, Mary needs to have her head examined.