

RELATIONS IN ARISTOTLE

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[I.]

- (1) "Socrates is son of Sophroniscus".
- (2) "Socrates is white".
- (3) "Socrates is in Athens".
- (4) "Socrates fought in the Peloponnesian War".
- (5) "Socrates is a man".

[II.]

"The car travelled from Moscow to Dmitrov. Once in Dmitrov, it travelled to Dubna. Later, it travelled back to Moscow."

- (6) "The car travelled from Moscow to Dmitrov." = Fa .
- (7) "The car arrived in Dmitrov." = Ga .
- (8) "The car travelled to Dubna." = Ha .
- (9) "The car travelled back to Moscow." = Ja .

[III.]

"The car travelled from Moscow to Saint Petersburg. Now, to travel from Moscow to Saint Petersburg is to make a long journey. Therefore, the car made a long journey. "

- (10) "The car travelled from Moscow to Saint Petersburg." = Fa .
- (11) "To travel from Moscow to Saint Petersburg is to make a long journey." = $\forall x (Fx \rightarrow Gx)$.
- (12) "The car made a long journey." = Ga .

$Fa, \forall x (Fx \rightarrow Gx) \vdash Ga$

[IV.]

(13) "Louis is Bernard's twin. Now, Bernard is John's twin. Therefore, Louis is John's twin."

(14) "The whale destroyed the ship. Now, the ship was Jerome's fortune. Therefore, the whale destroyed Jerome's fortune." (The example borrows from Strawson, "On Referring".)

(15) "The car went to Moscow. Now, Moscow is near Dmitrov. Therefore, the car went near Dmitrov. "