Showing that an argument is invalid

Is this argument valid?

- No monkeys are friendly, and some friendly things are not wise. So some wise things are not monkeys.

No monkeys are friendly

Some friendly things are not wise

Some wise things are not monkeys

Counter-example 'world'

unfriendly monkey
wise

friendly dog
not wise

T   No monkeys are friendly

T   Some friendly things are not wise

F   Some wise things are not monkeys

Does the conclusion follow?

Some philosophers are European

Some Europeans are fools

Some philosophers are fools

European
philosopher

European
fool

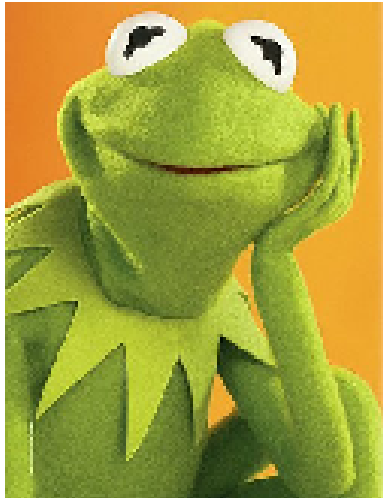T   Some philosophers are European
T   Some Europeans are fools

F   Some philosophers are fools

All politicians are ruthless

No politician can lack charm.

All charming people are ruthless

charming
not ruthless

politician
charming
ruthless

T   All politicians are ruthless
T   No politician can lack charm.

F   All charming people are ruthless

Some cubes are not large
No large thing back of c

Some cubes are back of c