***Natural language processing***

Exercise 8: propositional attitudes

***Analyse the following arguments and decide which of them are valid.***

***If an argument is valid then prove its validity.***

Tom believes that the Mayor of Ostrava is wise.

The Mayor of Ostrava is Peter.

Tom believes that Peter is wise.

Tom believes ***of*** the Mayor of Ostrava that ***he*** is wise.

The Mayor of Ostrava is Peter.

Tom believes that Peter is wise.

Tom believes that the Mayor of Ostrava is wise.

The Mayor of Ostrava exists.

Tom believes ***of*** the Mayor of Ostrava that ***he*** is wise.

The Mayor of Ostrava exists.