Deduction Systems

Tutorial 5

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Exercise 5.1. Consider the following program

$$P = \{a \leftarrow b;$$
$$b \leftarrow a,\ not\ c;$$
$$a \leftarrow d;$$
$$d \leftarrow not\ c\}$$

a) Give all nogoods one can obtain from program completion.

b) Is the set $U = \{a, b\}$ unfounded with respect to the following (partial) assignments? Justify your answer.

   i) $\{Fc\}$

   ii) $\{Tc\}$

   iii) $\{Ta, Fd\}$