

Task 5 DL syntax

Candidate ID: 15203

Task A:

\mathcal{I}_1 :

$$\Delta^{\mathcal{I}_1} = \{a, b\}$$

$$Person^{\mathcal{I}_1} = \{a\}$$

$$hasMother^{\mathcal{I}_1} = \{a, b\}$$

$$A_1 = \{Person(a)\}$$

Task B:

\mathcal{I}_2 :

$$\Delta^{\mathcal{I}_2} = \{a, b, c\}$$

$$Person^{\mathcal{I}_2} = \{a, c\}$$

$$hasMother^{\mathcal{I}_2} = \{\langle a, b \rangle\}$$

$$A_2 = \{Person(a), hasMother(a, b)\}$$