

Exercise: CASE A (simplified)

CASE A (simplified): An airplane is designed to fly at a maximum velocity of 600 mph but after repeated flights, is only able to achieve at most 585 mph.

Suggested vocabulary:

- Physical Object (POB)
- Artefact (A)
- Concept (C)
- Time (T)
- Quality_of (QT)
- Quale_of_at (QL)

Exercise: CASE B

CASE B: The IAOA contains a sub-organisation called Executive Council (EC), responsible for electing the IAOA President and regulating its powers. At time t_1 , no president has been elected yet. At time t_2 , the EC elects Laure as president. At time t_3 , the powers of the IAOA President are extended: they now have the additional power to nominate a Vice President.

Suggested vocabulary:

- Social Agent (SAG)
- Concept (C)
- Role (RL)
- Agentive Ph Object (APO)
- Person (subclass of APO)
- Time (T)
- Classified_by (CF)
($CF(x, y, t) = x$ is classified by concept y at time t)
- Description (DS)
($DS(x) = x$ is a description; DS is a subclass of NAPO)
- Defined_by (DF) ($DF(x, y) =$ concept x is defined by description y)

Exercise: CASE C

CASE C: There is a lump of clay that, at time t_1 , is used to make an aesthetically valuable statue. At time t_2 , the statue is destroyed. At time t_3 , the same lump of clay is reshaped to make a different statue. This statue is aesthetically valuable too.

Suggested vocabulary:

- Accomplishment (ACC)
- Non-Agentive Ph. Object (NAPO)
- Amount of Matter (M)
- Time (T)
- Being present (PRE)
- Constituted_by (K)
- Participation (PC)
- Depends_on (D)
- Quality_of (QT)
- Quale_of_at (QL)
- Society (SC)

The *DOLCE* taxonomy

