

```
1  mcdp {
2    provides endurance [s]
3    provides payload   [kg]
4    battery = instance template
5      mcdp {
6        provides capacity [J]
7        requires mass     [kg]
8      }
9    actuation = instance template
10     mcdp {
11       provides lift [N]
12       requires power [W]
13     }
14    capacity provided by battery >=
15      endurance * (power required by actuation)
16    g = 9.81 m/s^2
17    lift provided by actuation >=
18      (mass required by battery + payload) * g
19  }
```