```
mcdp {
     provides endurance [s]
2
3
4
5
     provides payload [kq]
     battery = instance template
      mcdp {
6
7
8
9
        provides capacity [J]
        requires mass [kq]
     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
     a = 9.81 \text{ m/s}^2
     lift provided by actuation >=
        (mass required by battery + payload) * q
18
```