



```

mcdp {
  provides endurance [s]
  provides payload  [kg]
  sub battery = template mcdp {
    provides capacity [J]
    requires mass     [kg]
  }
  sub actuation = template mcdp {
    provides lift  [N]
    requires power [W]
  }
  energy = actuation.power * endurance
  battery.capacity >= energy
  g = 9.81 m/s^2
  weight = (battery.mass + payload) * g
  actuation.lift >= weight
}

```