```
 1  mcdp {
 2    provides capacity [J]
 3    provides missions [R]
 4
 5    requires cost [$]
 6
 7    battery = instance `Batteries
 8
 9    provided capacity <= capacity provided by battery
10    provided missions <= missions provided by battery
11
12    mass required by battery <= 3 kg
13
14    ignore maintenance required by battery
15
16    required cost >= cost required by battery
17  }
```