```
simple cell = catalogue {
       provides voltage [set-of(V)]
       provides capacity [J]
       requires cost [$]
       requires mass [kq]
       # These two have some functions, but
       # non-dominating resources
       model1 | {1.5 V} | 1 MJ | 5 $ | 0.20 kg
       model2 | {1.5 V} | 1 MJ | 15 $ | 0.10 kg
       # This one gives 5V; it's cheap but will
       # need an adapter
       model3 | {5.0 V} | 1 MJ | 5 $ | 0.30 kg
   }
   cell plus converter = mcdp {
       provides voltage [set-of(V)]
       provides capacity [J]
       requires cost [$]
       requires mass [kq]
       sub converter = catalogue {
           provides voltage out [set-of(V)]
           requires voltage in [set-of(V)]
           requires cost [$]
           requires mass [q]
           }
       sub cell = simple cell
       voltage <= converter.voltage out
       converter.voltage in <= cell.voltage</pre>
       mass >= cell.mass + converter.mass
       cost >= cell.cost + converter.cost
       capacity <= cell.capacity
    }
   sub battery = simple cell ^ cell plus converter
   requires cost, mass for battery
   provides voltage, capacity using battery
}
```

mcdp {