Step 1: build directed graph model

- Connected relationships
- Batteries performance parameters

Step 3: search shortest path

$$\omega(p) = N_s \cdot n_b(p) + n_s(p)$$

- Dijkstra algorithm

Step 2: obtain constraints and objective function

$$\max \quad \eta(\boldsymbol{X}_s)$$
$$\text{s.t.} \max(\boldsymbol{I}_b) \leq I_m,$$

Step 4: solve MAC greedily

- Switches state $\boldsymbol{X}_s$
- MAC $\boldsymbol{\eta}$