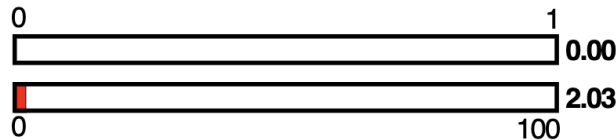


ANM6Easy

Costs (= -reward)

Energy loss

Constraints violation
penalty



January 24
19:15

Year count: 0

Legend

1. Indices

- ① Device ID
- 0 Bus ID

2. Devices

- Classical generator (slack device)
- Residential aggregation (load)
- Solar farm (renewable generator)
- Industry (load)
- Wind farm (renewable generator)
- EV charging station (load)
- Distributed energy storage unit
- HV-to-MV transformer

3. Power injections

- Power injection > 0 (MW or MVar)
- Power injection < 0 (MW or MVar)
- Curtailed active power injection (MW)

4. Branch flows

- Apparent flow ÷ branch rating (%)
- Direction of active power flow

5. Storage

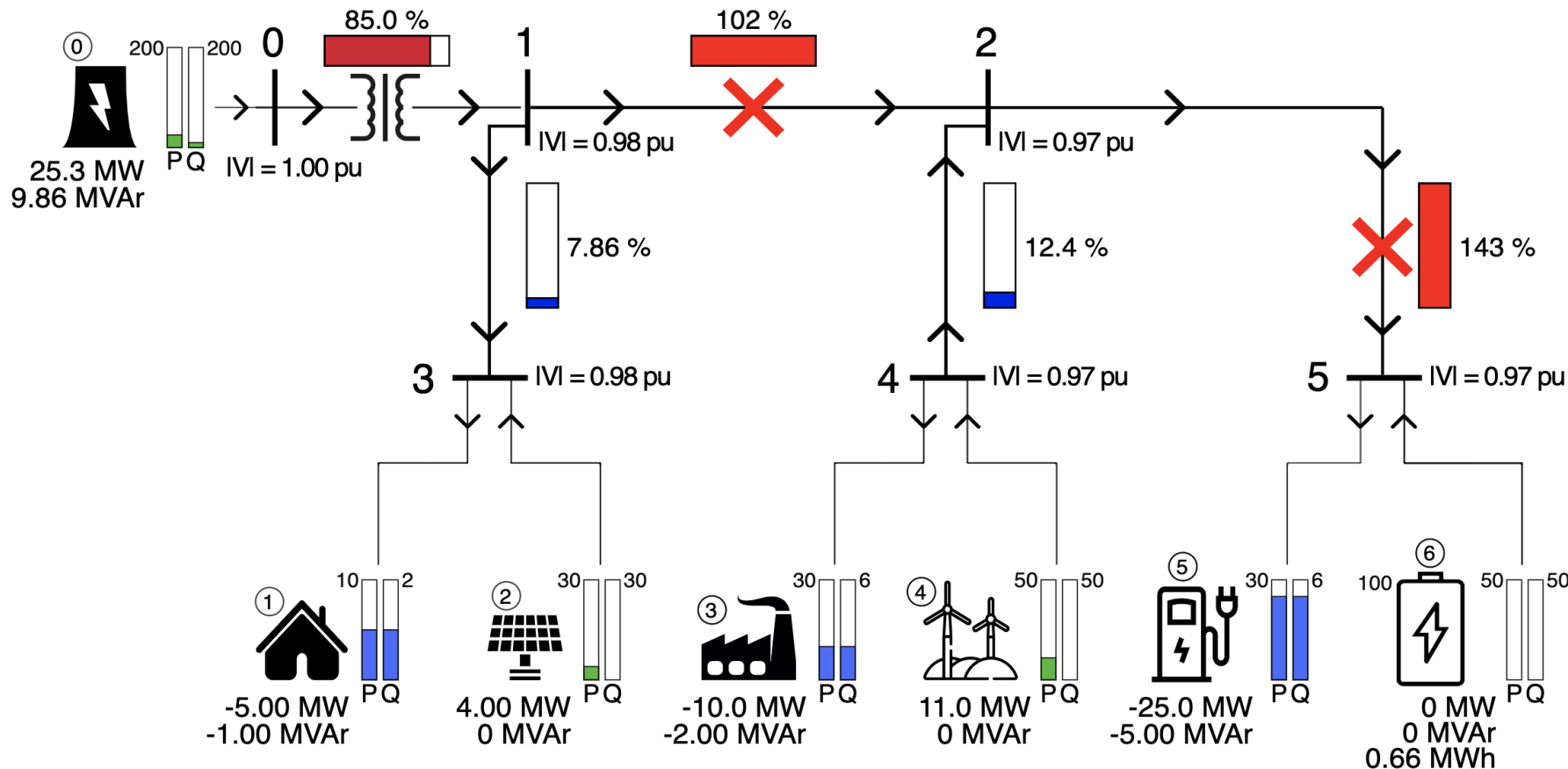
- Stored energy (MWh)

6. Constraints violation

- Branch flow or bus voltage magnitude constraint violated

7. Costs & rewards

- Cost < 0 (reward > 0)
- Cost > 0 (reward < 0)



Terminal state: ☐