Adding Open-Loop Switching Control for Power Electronics

**DC-DC Converter Option 1:**

**Power Circuit**

Switch dialog:
- Gate controlled switch
- Note GIFU

Input (voltage stiff)  Output
- current stiff with inductor
- voltage filtered by capacitor

**Gate Controls**
Option 2: Two controlled Switches

- Replace diode with controlled switch
- Controlled in opposition to top switch

Modification to controls

- Comparator

Graph with time vs. voltage data points:

- Voltage values at different time intervals:
  - 4.9932 ms
  - 4.9955 ms
  - 4.9979 ms
  - 5.0002 ms
  - 5.0025 ms
  - 5.0048 ms
  - 5.0072 ms

Time values:
- 0.0 ms
- 0.2 ms
- 0.4 ms
- 0.6 ms
- 0.8 ms
- 1.0 ms