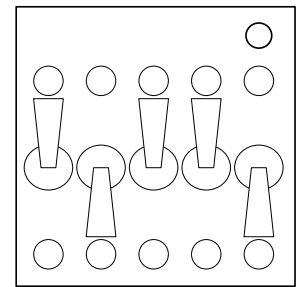# On the Subject of Switches

A yes or no choice isn't too bad. Unfortunately you have to make five of them and any of them could be your last.

Switches need to be flipped to match the lit indicators either above or below them.

Avoid the following switch states:

The goal is to put all switches down, then switch them up to make them match the lights.

In the list below, the left side is the switches that are up, or the upper lights that are on. The right side are the switches to switch.

To make all switches go down, flip all from LEFT to RIGHT except:

$$1\ 3 \rightarrow 3\ 1$$
$$2\ 3 \rightarrow 3\ 2$$
$$1\ 2\ 3 \rightarrow 1\ 3\ 2$$
$$1\ 2\ 4\ 5 \rightarrow 4\ 1\ 2\ 5$$
$$1\ 2\ 3\ 4\ 5 \rightarrow 3\ 4\ 1\ 2\ 5$$

To make switches go up to match the lights flip all from RIGHT to LEFT except:

$$1\ 3 \rightarrow 1\ 3$$
$$2\ 3 \rightarrow 2\ 3$$
$$1\ 2\ 3 \rightarrow 2\ 3\ 1$$
$$1\ 2\ 4\ 5 \rightarrow 5\ 2\ 1\ 4$$
$$1\ 2\ 3\ 4\ 5 \rightarrow 5\ 2\ 1\ 4\ 3$$