This is a Hopfield network. All units have states 0 ("off") or 1 ("on").

1. What is the goodness (negative energy) of the configuration where all units are on?

2. What is the goodness of the configuration where all units are off?

3. Let's start with all units off. Now we update the units one at a time, starting at unit A and going clockwise. When does the system settle into a state, what state is that, and what is its goodness?

4. What if instead we go counter-clockwise, again starting at unit A?

5. How do we describe what happened here in terms of retrieving memories?