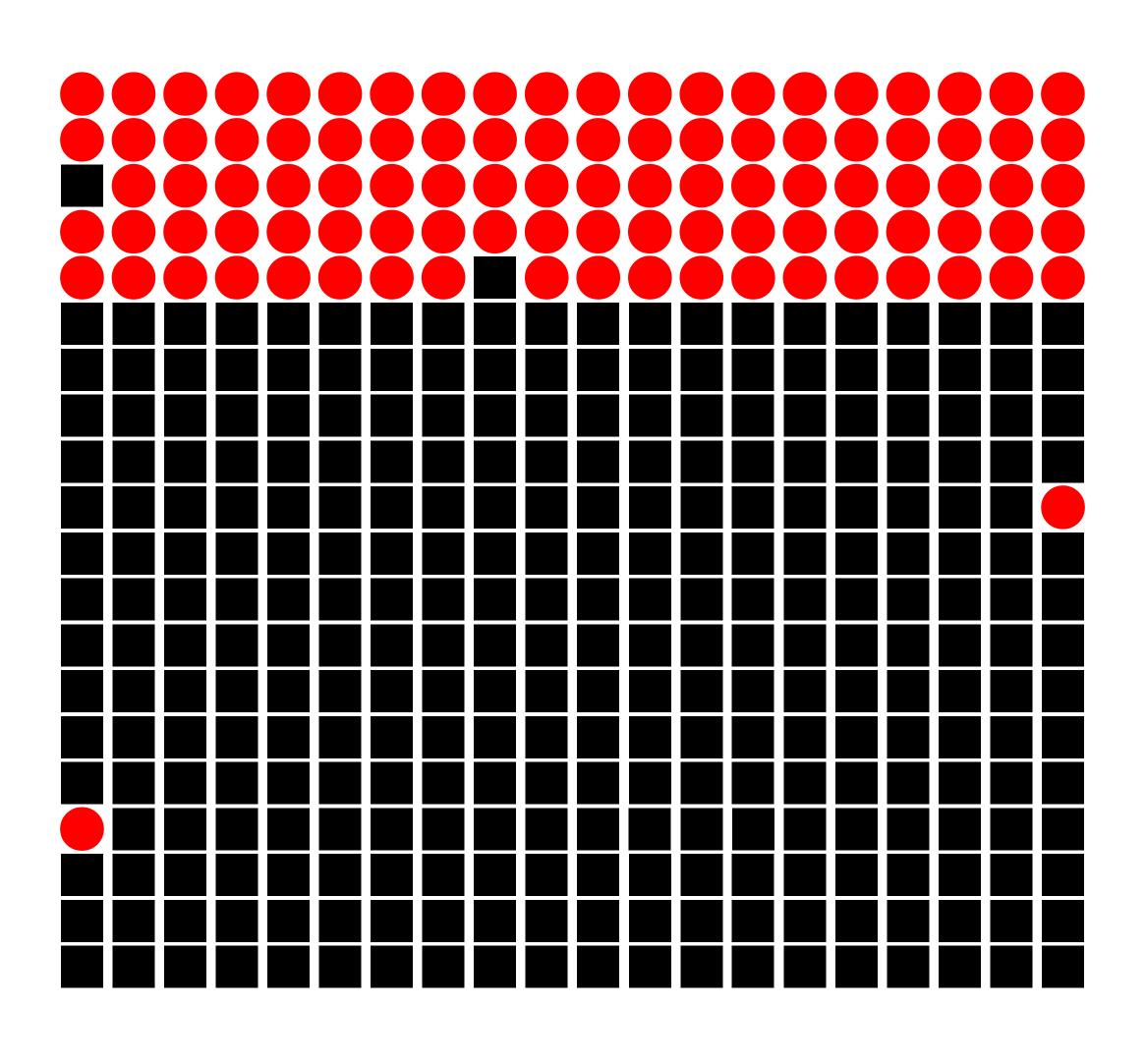
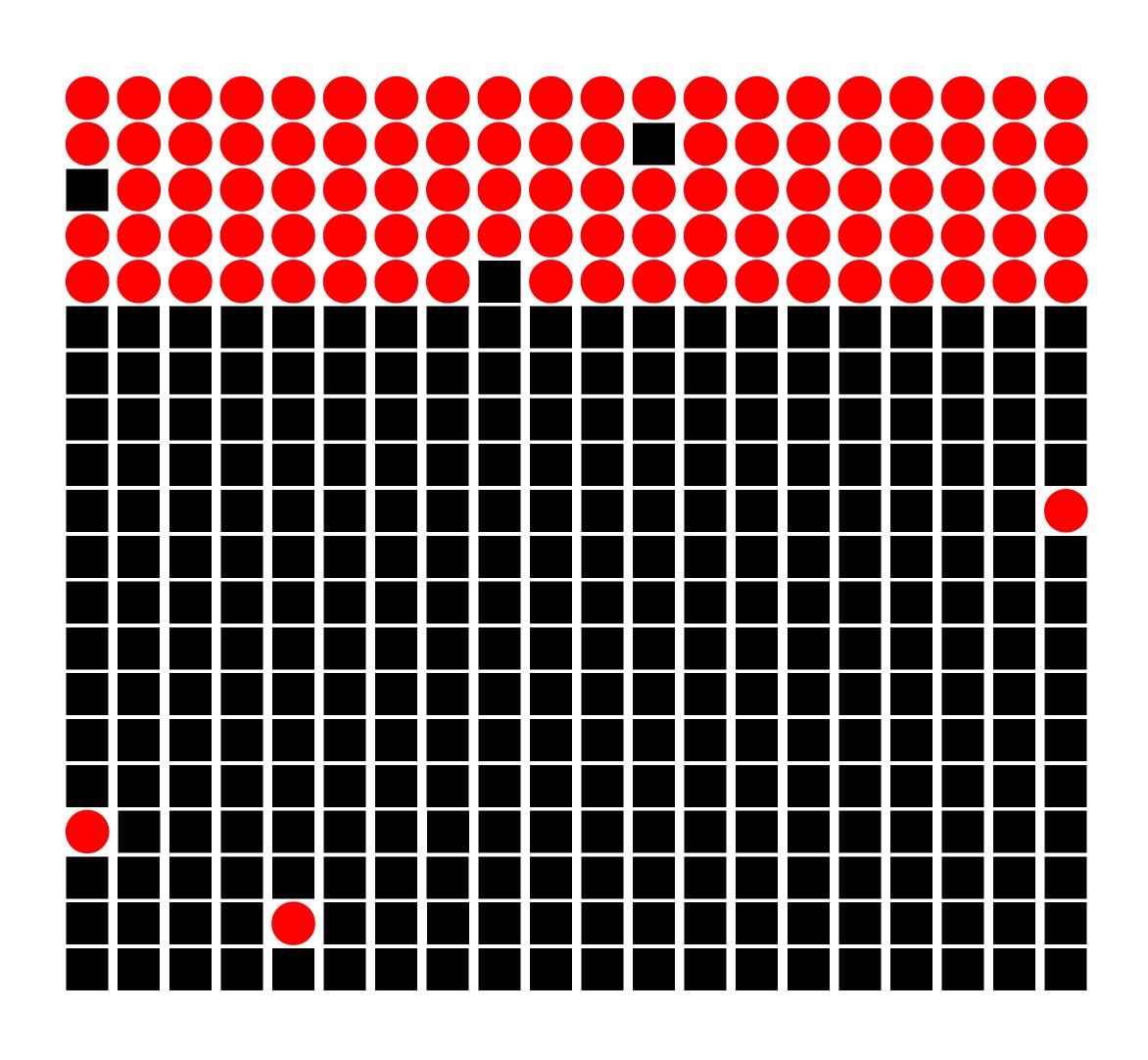
## Possible states after two "hops"



The system can now be in one of approximately 800 million states.

## Possible states after three "hops"



The system can now be in one of approximately 25 trillion micro states.