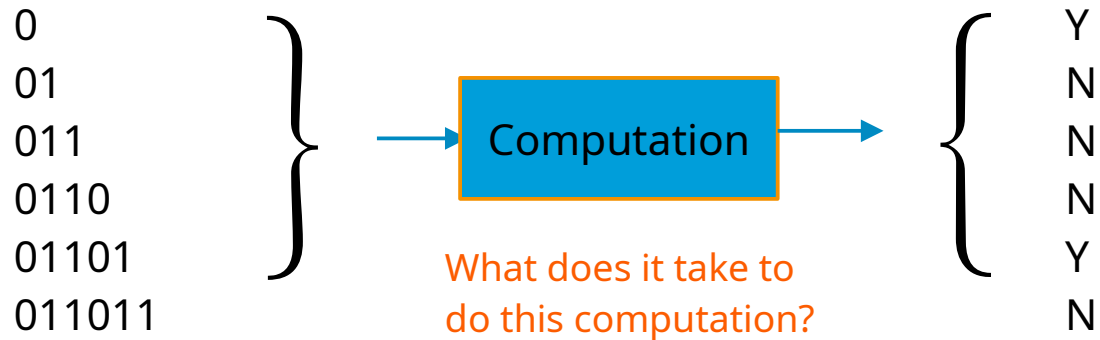


Prob 1: Counting #1's modulo k



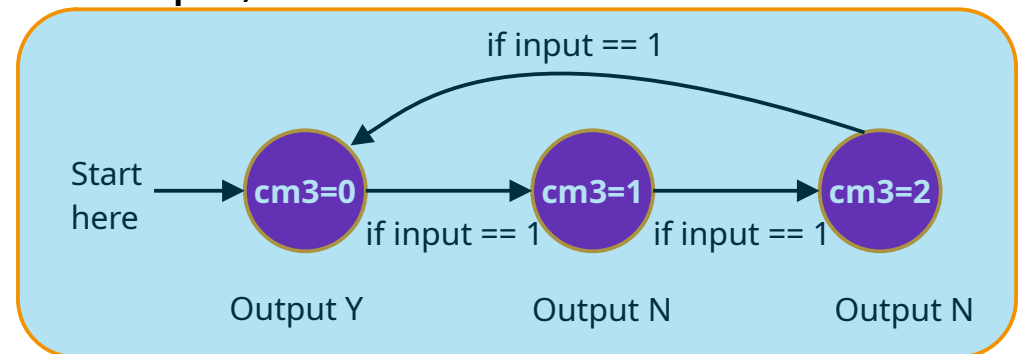
```
cm3 = 0; // cm3 : count of 1's mod 3
```

```
Repeat until no symbols to read  
Read next input symbol;
```

```
if (input == 1)  
    cm3 = (cm3 + 1) mod 3;
```

```
if (cm3 == 0) output Y  
else output N
```

„State transition“ (automata) view
Compact, mimics intuitive code view



Intuitive
„code“ view