

## State Diagrams

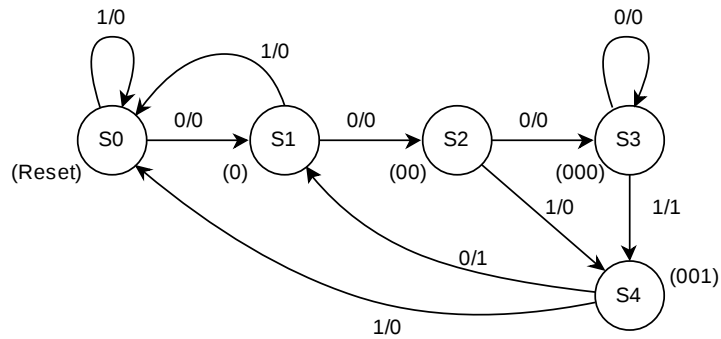
Sequence detector: detect sequences of 0010 or 0001  
Overlapping patterns are allowed

Example output:

```

X:      1 0 0 1 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 1 0 0 1 0
Z - Mealy 0 0 0 0 0 0 0 0 0 0 1 1 0 0 1 0 0 0 0 0 0 0 0 1
Z - Moore 0 0 0 0 0 0 0 0 0 0 1 1 0 0 1 0 0 0 0 0 0 0 0 1
    
```

### Mealy Design



### Moore Design

