**Reset**

**S0**

**Z = 0**

0

1

1

**S1**

**Z = 0**

0

0

**S2**

**Z =0**

0 1 1 0 0

**S3**

**Z = 0**

1

**S4**

**Z = 0**

0

**S5**

**Z = 0**

1

1

**S6**

**Z = 1**

Moore Diagram

**Reset**

0/0

**S0**

1/0

**S1**

1/0

0/0

0/0

**S2**

0/0 1/0 1/0 0/0

**S3**

1/0

**S4**

1/1 0/1

**S5**

Mealy Diagram