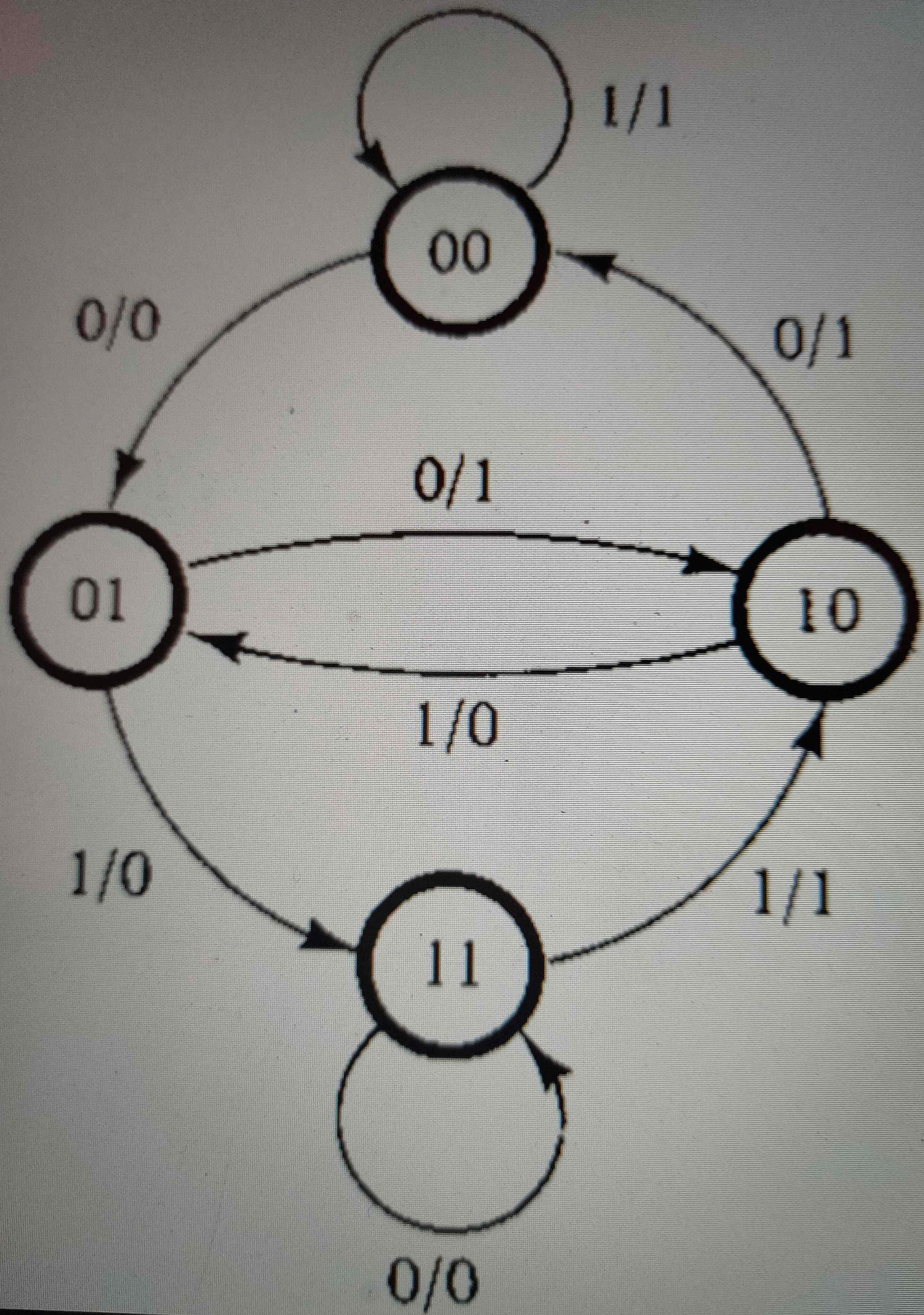


```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <data>
3 <transitions>
4 <states>
5 <data>
6 A
7 </data>
8 <data>
9 B
10 </data>
11 <data>
12 C
13 </data>
14 <data>
15 D
16 </data>
17 </states>
18 <inputs>
19 <data>
20 0
21 </data>
22 <data>
23 1
24 </data>
25 </inputs>
26 <outputs>
27 <data>
28 0
29 </data>
30 <data>
31 1
32 </data>
33 </outputs>
34 <next_states>
```


```
29          </data>
30      <data>
31          1
32      </data>
33  </outputs>
34  <next_states>
35      <data>
36          A
37      </data>
38      <data>
39          B
40      </data>
41      <data>
42          C
43      </data>
44      <data>
45          D
46      </data>
47  </next_states>
48  </transitions>
49  <items>
50      <shape shape="circles">
51          <position var="x,y">
52          </position>
53          <coordinates x="event.X" y="event.Y">
54          </coordinates>
55      </shape>
56      <dots var="z">
57          <coordinates z="event.Z">
58          </coordinates>
59      </dots>
60  </items>
```

Result



```
<state_diagram_1>
  <transition>
    <present_state>00</present_state>
    <input>1</input>
    <output>1</output>
    <next_state>00</next_state>
  </transition>
  <transition>
    <present_state>00</present_state>
    <input>0</input>
    <output>0</output>
    <next_state>01</next_state>
  </transition>
  <transition>
    <present_state>01</present_state>
    <input>1</input>
    <output>0</output>
    <next_state>11</next_state>
  </transition>
  <transition>
    <present_state>01</present_state>
    <input>0</input>
    <output>1</output>
    <next_state>10</next_state>
  </transition>
  <transition>
    <present_state>11</present_state>
    <input>0</input>
    <output>0</output>
    <next_state>11</next_state>
  </transition>
  <transition>
    <present_state>11</present_state>
    <input>1</input>
    <output>1</output>
    <next_state>10</next_state>
  </transition>
  <transition>
    <present_state>10</present_state>
    <input>1</input>
    <output>0</output>
```

```
<input>1</input>
<output>0</output>
<next_state>11</next_state> -
</transition>
<transition>
<present_state>01</present_state>
<input>0</input>
<output>1</output>
<next_state>10</next_state>
</transition>
<transition>
<present_state>11</present_state>
<input>0</input>
<output>0</output>
<next_state>11</next_state>
</transition>
<transition>
<present_state>11</present_state>
<input>1</input>
<output>1</output>
<next_state>10</next_state>
</transition>
<transition>
<present_state>10</present_state>
<input>1</input>
<output>0</output>
<next_state>01</next_state>
</transition>
<transition>
<present_state>10</present_state>
<input>0</input>
<output>1</output>
<next_state>00</next_state>
</transition>
</state_diagram_1>
```



```
<state_diagram_2>
  <transition>
    <present_state>00</present_state>
    <input>1</input>
    <output>0</output>
    <next_state>01</next_state>
  </transition>
  <transition>
    <present_state>00</present_state>
    <input>0</input>
    <output>0</output>
    <next_state>00</next_state>
  </transition>
  <transition>
    <present_state>01</present_state>
    <input>1</input>
    <output>0</output>
    <next_state>01</next_state>
  </transition>
  <transition>
    <present_state>01</present_state>
    <input>0</input>
    <output>0</output>
    <next_state>11</next_state>
  </transition>
  <transition>
    <present_state>11</present_state>
    <input>0</input>
    <output>0</output>
    <next_state>10</next_state>
  </transition>
  <transition>
    <present_state>11</present_state>
    <input>1</input>
    <output>0</output>
    <next_state>11</next_state>
  </transition>
  <transition>
    <present_state>10</present_state>
    <input>1</input>
    <output>1</output>
    <next_state>00</next_state>
  </transition>
```

```
<next_state>00</next_state>
</transition>
<transition>
  <present_state>01</present_state>
  <input>1</input>
  <output>0</output>
  <next_state>01</next_state>
</transition>
<transition>
  <present_state>01</present_state>
  <input>0</input>
  <output>0</output>
  <next_state>11</next_state>
</transition>
<transition>
  <present_state>11</present_state>
  <input>0</input>
  <output>0</output>
  <next_state>10</next_state>
</transition>
<transition>
  <present_state>11</present_state>
  <input>1</input>
  <output>0</output>
  <next_state>11</next_state>
</transition>
<transition>
  <present_state>10</present_state>
  <input>1</input>
  <output>1</output>
  <next_state>00</next_state>
</transition>
<transition>
  <present_state>10</present_state>
  <input>0</input>
  <output>0</output>
  <next_state>10</next_state>
</transition>
</state_diagram_2>
```