



```

case (state)
waiting:
if(i == 1)
next_state = rcv1;
else
next_state = waiting;
rcv1:
if(i == 1)
next_state = rcv11;
else
next_state = waiting;
rcv11:
if(i == 1)
next_state = rcv11;
else
next_state = rcv110;
rcv110:
if(i == 1)
next_state = rcv1;
else
next_state = waiting;

```

```

if(state == rcv110 && i == 1)
o = 1;
else
o = 0;

```