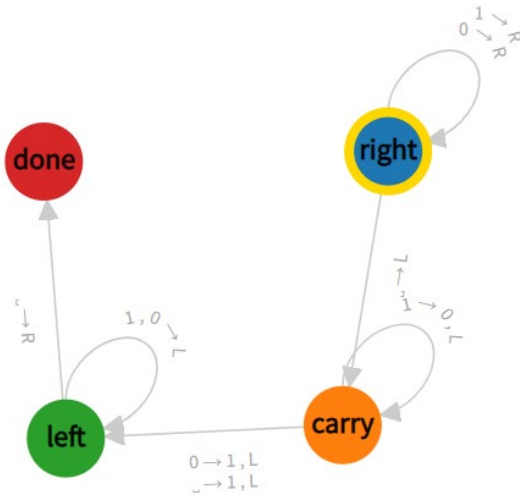# 1.移动到最左


```
input: '111111'
blank: ' '
start state: right
table:
#scan to the rightmost digit
  right:
    1  : R
    0  : R
    ' ': {L: carry}
  carry:
    1  : {write: 0,L: carry}
    0  : {write: 1,L: left}
    ' ': {write: 1,L: left}
  left:
    [1,0]: {L: left}
    ' '  : {R: done}
  done:
```
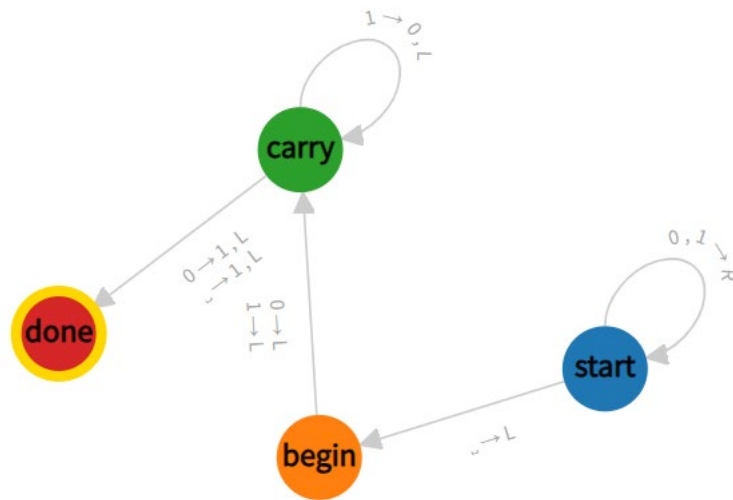
2.加 2


```
input: '11111'
blank: ' '
start state: start
table:
  start:
    [0,1]: R
    ' ': {L: begin}
  begin:
    0: {L: carry}
    1: {L: carry}
  carry:
    0      : {write: 1, L: done}
    ' '    : {write: 1, L: done}
    1      : {write: 0, L}
  done:
```
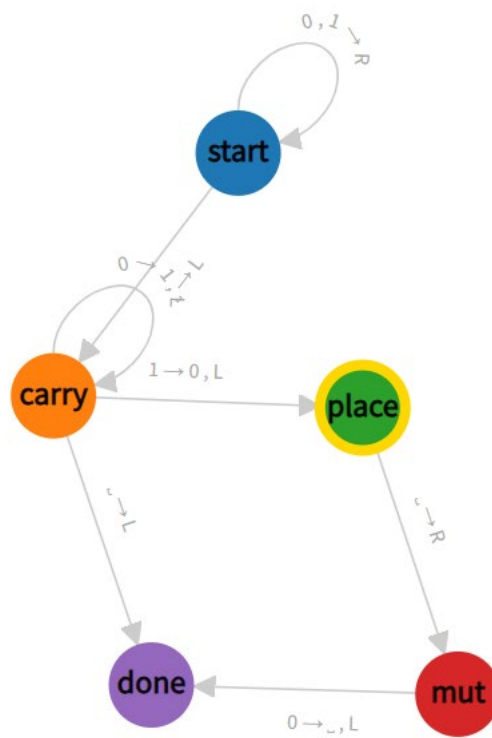
3.减 1


```
input: '11000'
blank: ' '
start state: start
table:
  start:
    [0,1]: R
    ' ': {L: carry}
  carry:
    1: {write: 0,L: place}
    0: {write: 1,L: carry}
    ' ': {L: done}
  place:
    ' ': {R: mut}
  mut:
    0: {write: ' ',L: done}
  done:
```