

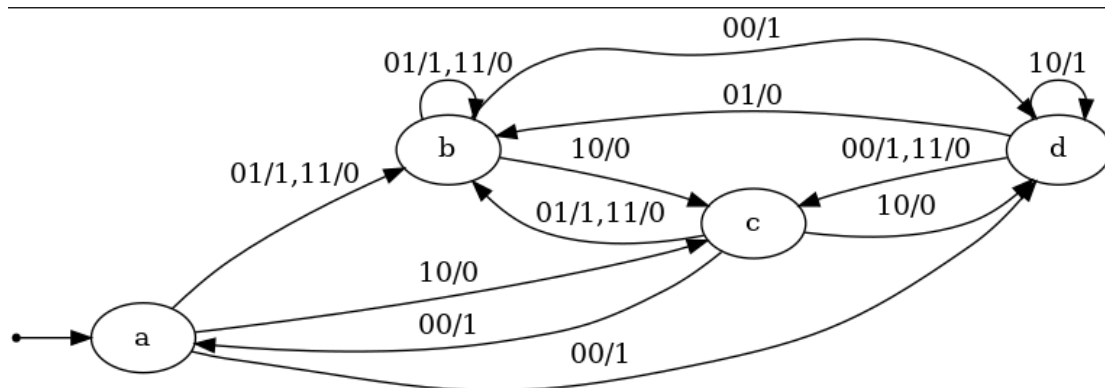
Case1: (4status 2input)

Before minimization:

```

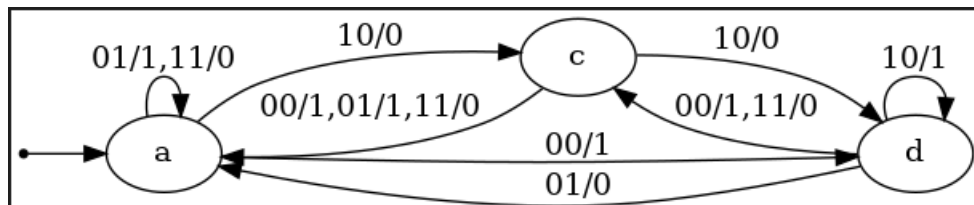
.start_kiss
.i 2
.o 1
.p 16
.s 4
.r a
00 a d 1
01 a b 1
10 a c 0
11 a b 0
00 b d 1
01 b b 1
10 b c 0
11 b b 0
00 c a 1
01 c b 1
10 c d 0
11 c b 0
00 d c 1
01 d b 0
10 d d 1
11 d c 0
.end_kiss

```



After: (4status,2inputs)

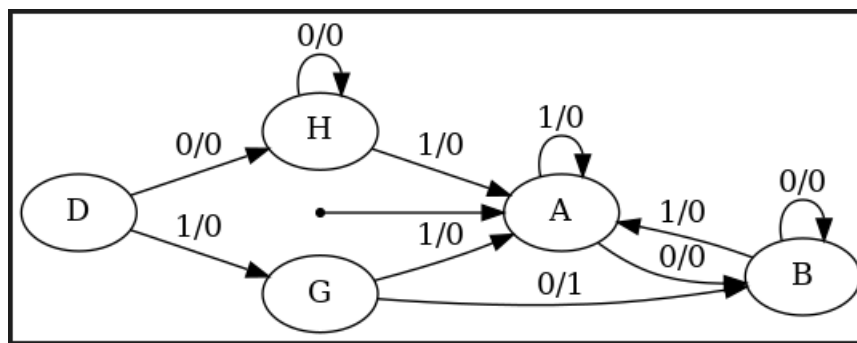
```
.start_kiss
.i 2
.o 1
.p 12
.s 3
.r a
00 a d 1
01 a a 1
10 a c 0
11 a a 0
00 c a 1
01 c a 1
10 c d 0
11 c a 0
00 d c 1
01 d a 0
10 d d 1
11 d c 0
.end_kiss
```



Case2: (5status,1input)

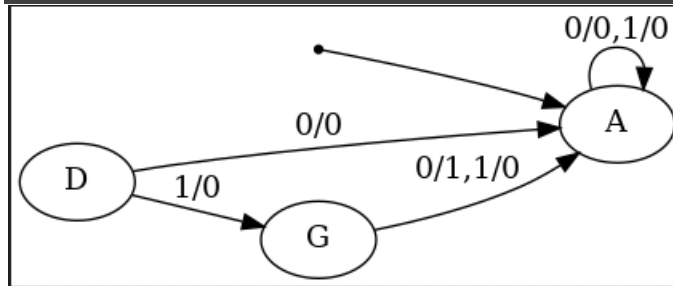
Before minimization:

```
.start_kiss
.i 1
.o 1
.p 10
.s 5
.r A
0 A B 0
1 A A 0
0 B B 0
1 B A 0
0 D H 0
1 D G 0
0 G B 1
1 G A 0
0 H H 0
1 H A 0
.end_kiss
```



After: (5status,1 input)

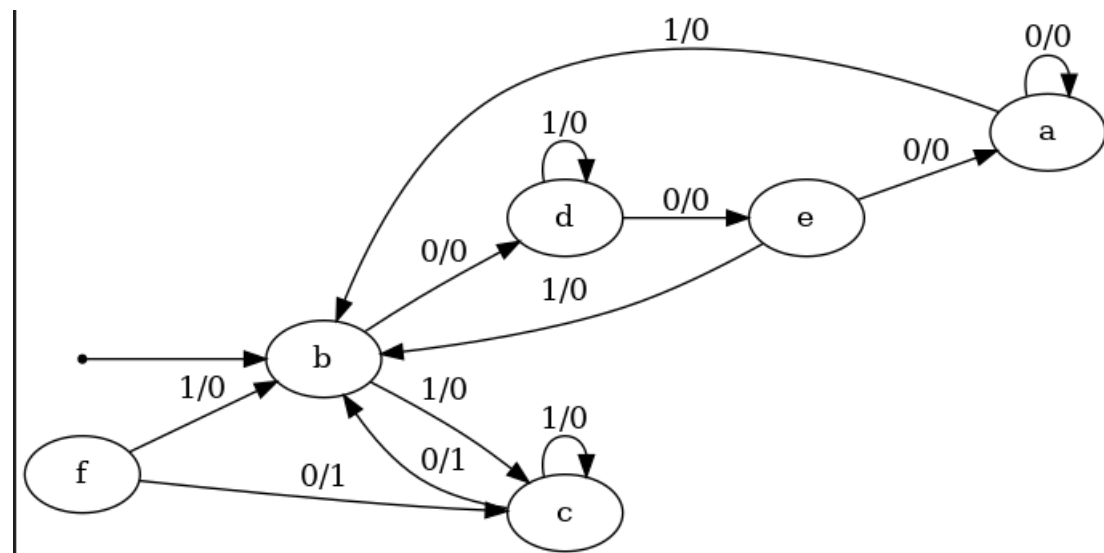
```
.start_kiss
.i 1
.o 1
.p 6
.s 3
.r A
0 A A 0
1 A A 0
0 D A 0
1 D G 0
0 G A 1
1 G A 0
.end_kiss
```



Case3: (6status,1 input)

Before minimization:

```
.start_kiss
.i 1
.o 1
.p 12
.s 6
.r b
0 a a 0
1 a b 0
0 b d 0
1 b c 0
0 c b 1
1 c c 0
0 d e 0
1 d d 0
0 e a 0
1 e b 0
0 f c 1
1 f b 0
```



After:

```
.start_kiss
.i 1
.o 1
.p 10
.s 5
.r b
0 a a 0
1 a b 0
0 b d 0
1 b c 0
0 c b 1
1 c c 0
0 d a 0
1 d d 0
0 f c 1
1 f b 0
.end_kiss
```

