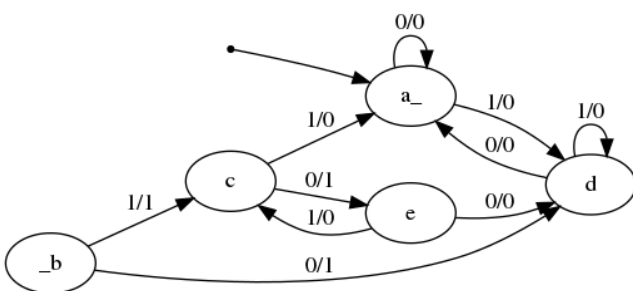# State Minimization

B10932017 張祐禎
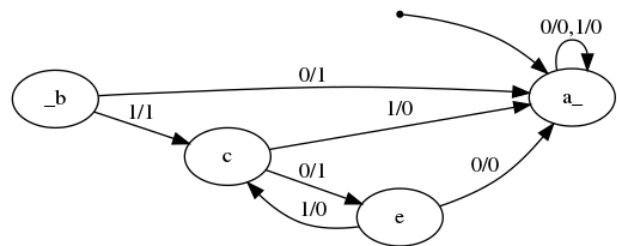
1. test1.kiss (1 input, 1 output, 5 states)

```
$ cat test1.kiss
.start_kiss
.i 1
.o 1
.p 10
.s 5
.r a_
0 a_ a_ 0
1 a_ d 0
0 _b d 1
1 _b c 1
0 c e 1
1 c a_ 0
0 d a_ 0
1 d d 0
0 e d 0
1 e c 0
.end_kiss
```

```
$ cat out1.kiss
.start_kiss
.i 1
.o 1
.p 8
.s 4
.r a_
0 a_ a_ 0
1 a_ a_ 0
0 _b a_ 1
1 _b c 1
0 c e 1
1 c a_ 0
0 e a_ 0
1 e c 0
.end_kiss
```

(in1.png)
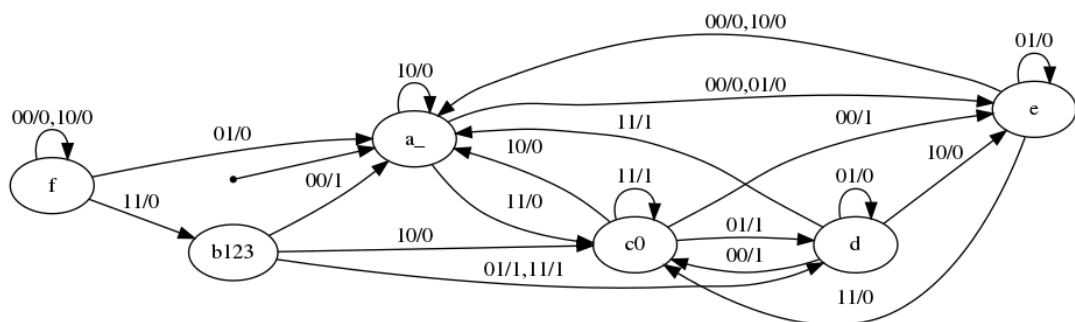

(out1.png)

```
$ cat test2.kiss              $ cat out2.kiss
.start_kiss                   .start_kiss
.i 2                          .i 2
.o 1                          .o 1
.p 24                         .p 20
.s 6                          .s 5
.r a_                         .r a_
00 a_ e 0                     00 a_ a_ 0
01 a_ e 0                     01 a_ a_ 0
10 a_ a 0                     10 a_ a_ 0
11 a_ c0 0                    11 a_ c0 0
00 b123 a_ 1                  00 b123 a_ 1
01 b123 d 1                   01 b123 d 1
10 b123 c0 0                  10 b123 c0 0
11 b123 d 1                   11 b123 d 1
00 c0 e 1                     00 c0 a_ 1
01 c0 d 1                     01 c0 d 1
10 c0 b 0                     10 c0 a_ 0
11 c0 c0 1                    11 c0 c0 1
00 d c0 1                     00 d c0 1
01 d d 0                      01 d d 0
10 d e 0                      10 d a_ 0
11 d c 1                      11 d a_ 1
00 e a_ 0                     00 f f 0
01 e e 0                      01 f a_ 0
10 e a_ 0                     10 f f 0
11 e c0 0                     11 f b123 0
00 f f 0                      .end_kiss
01 f a_ 0
10 f f 0
11 f b123 0
.end_kiss
```

(in2.png)

(out2.png)