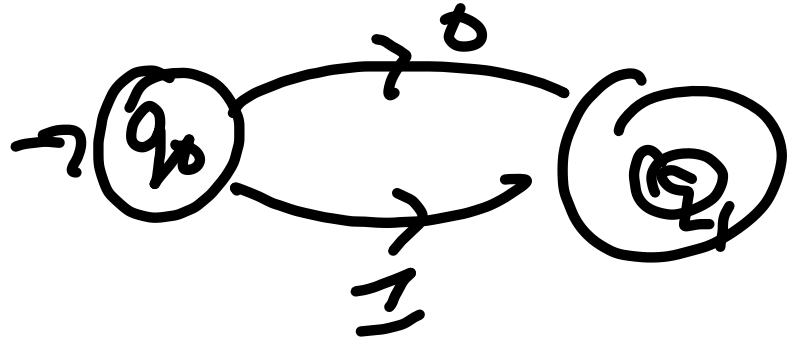
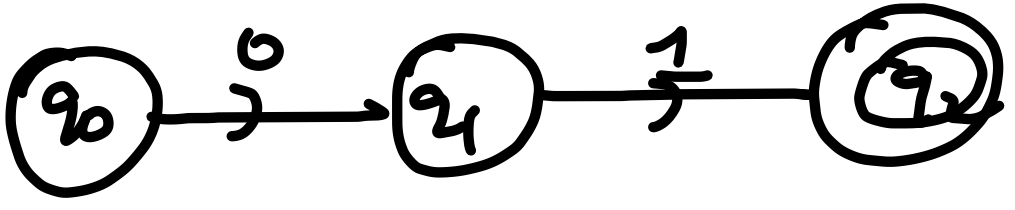
2013

Converting from Regular Expressions to finite Automata

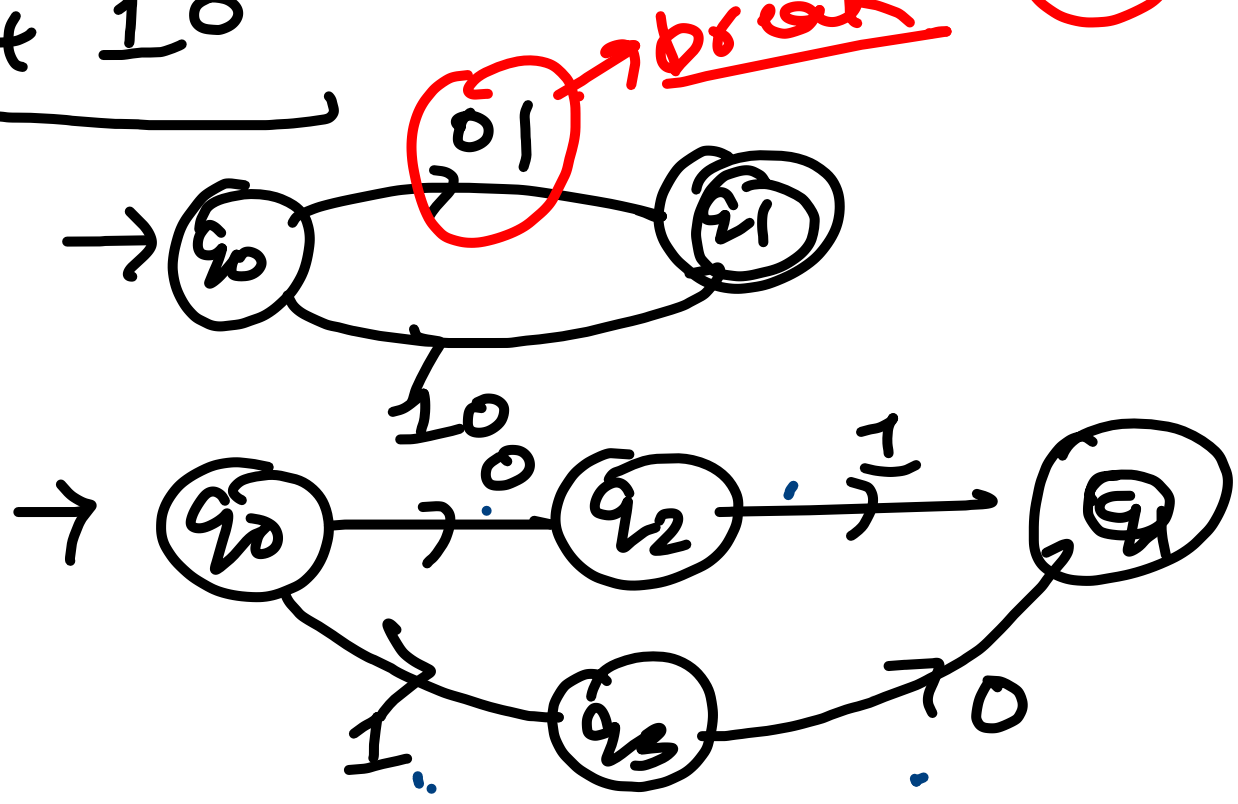
1) $(0+1)$ →

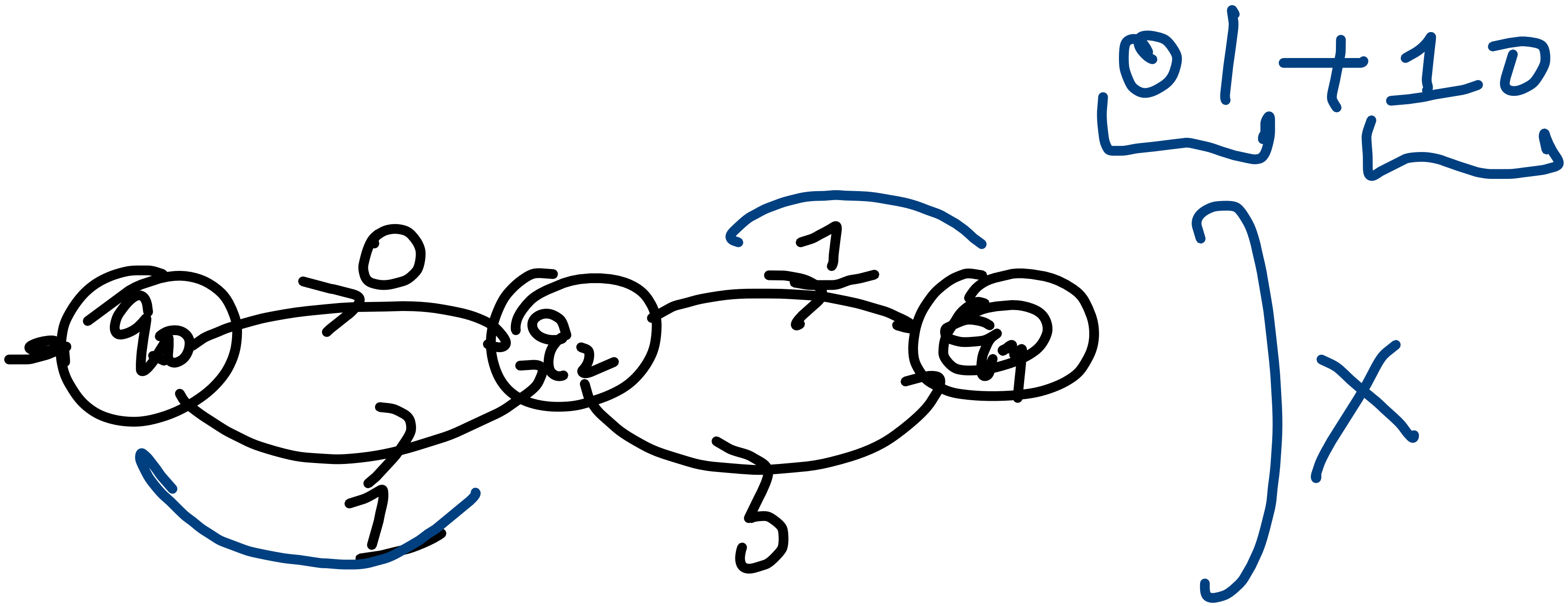


2) 01 →

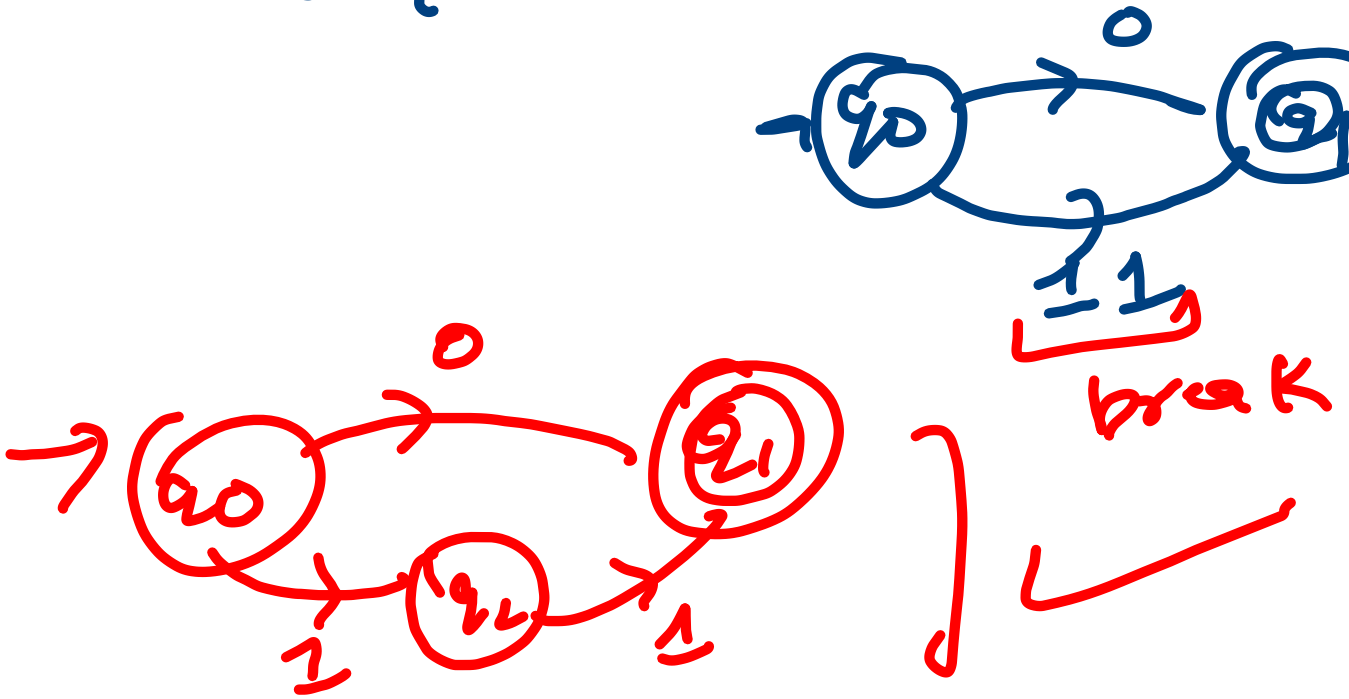


3) 01 + 10



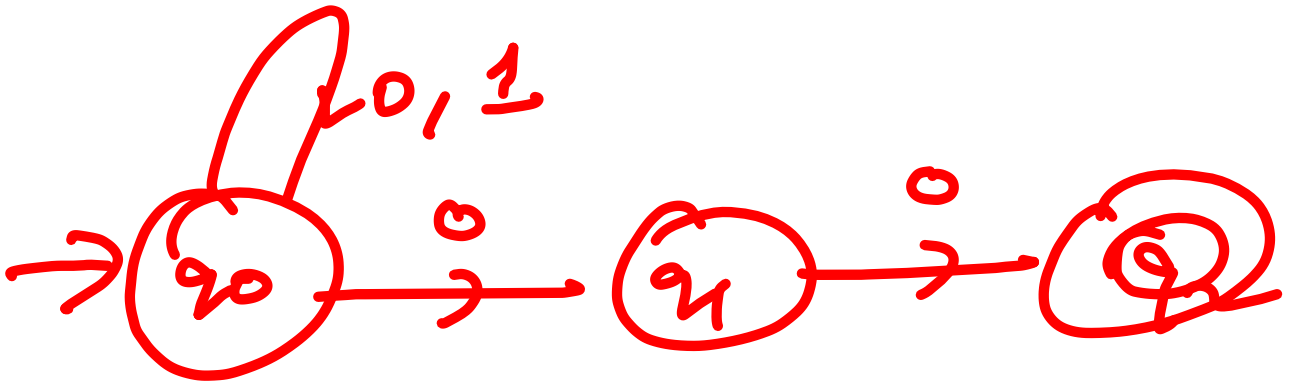

q0
0
1
01 + 10

4) $0 + 1 1$

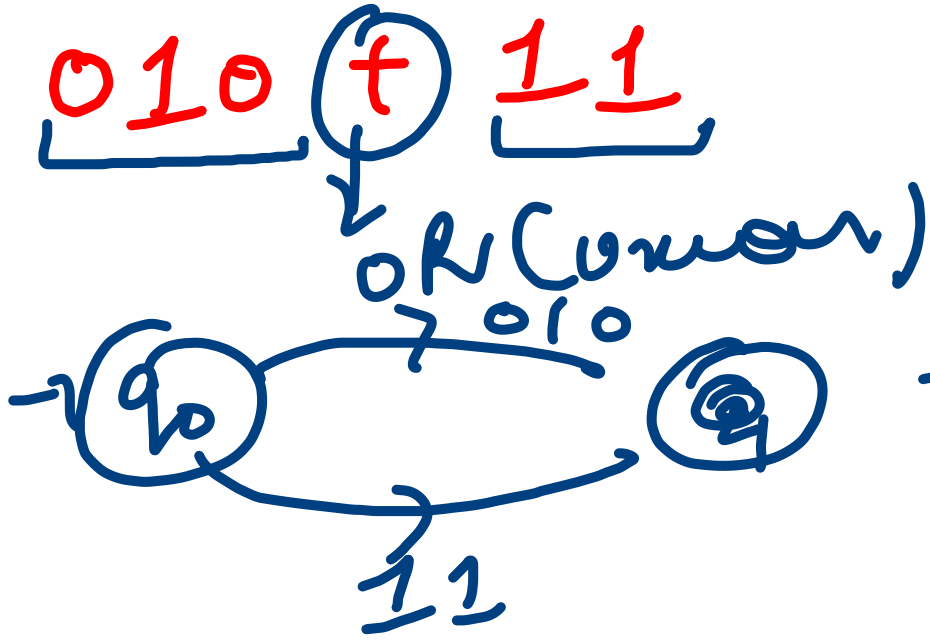


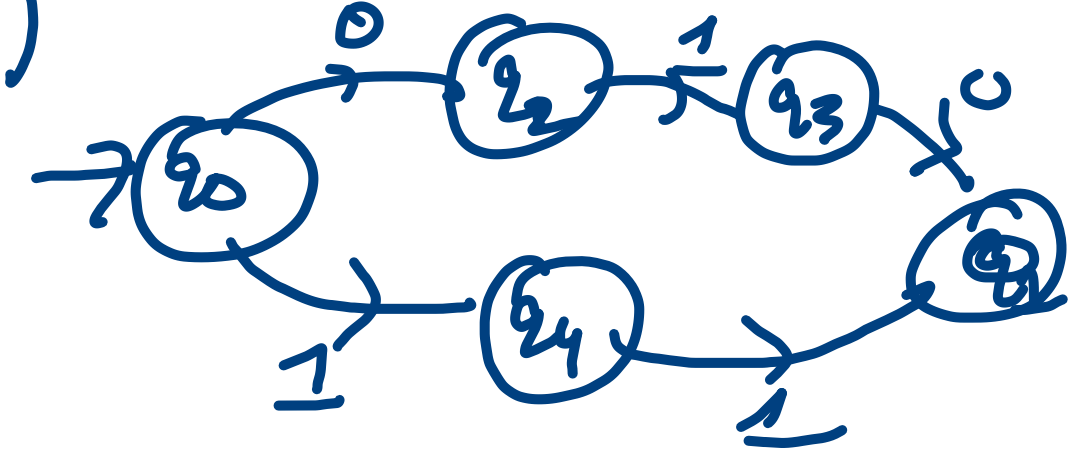
5) $(0+1)^*$

6) $(0+1)^*\,00$

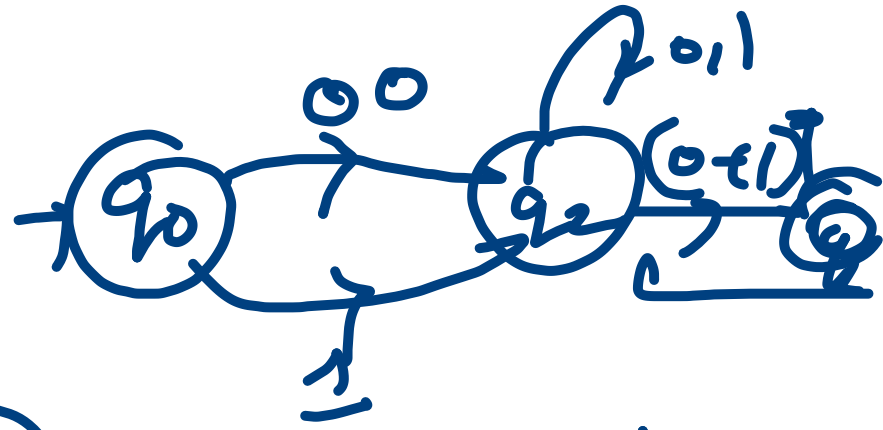


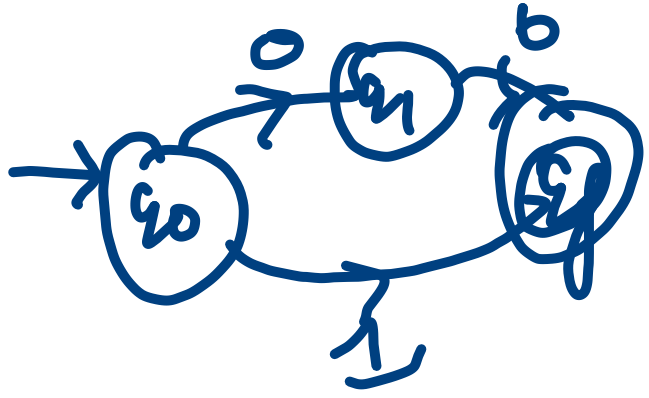
7) 010 (+) 11

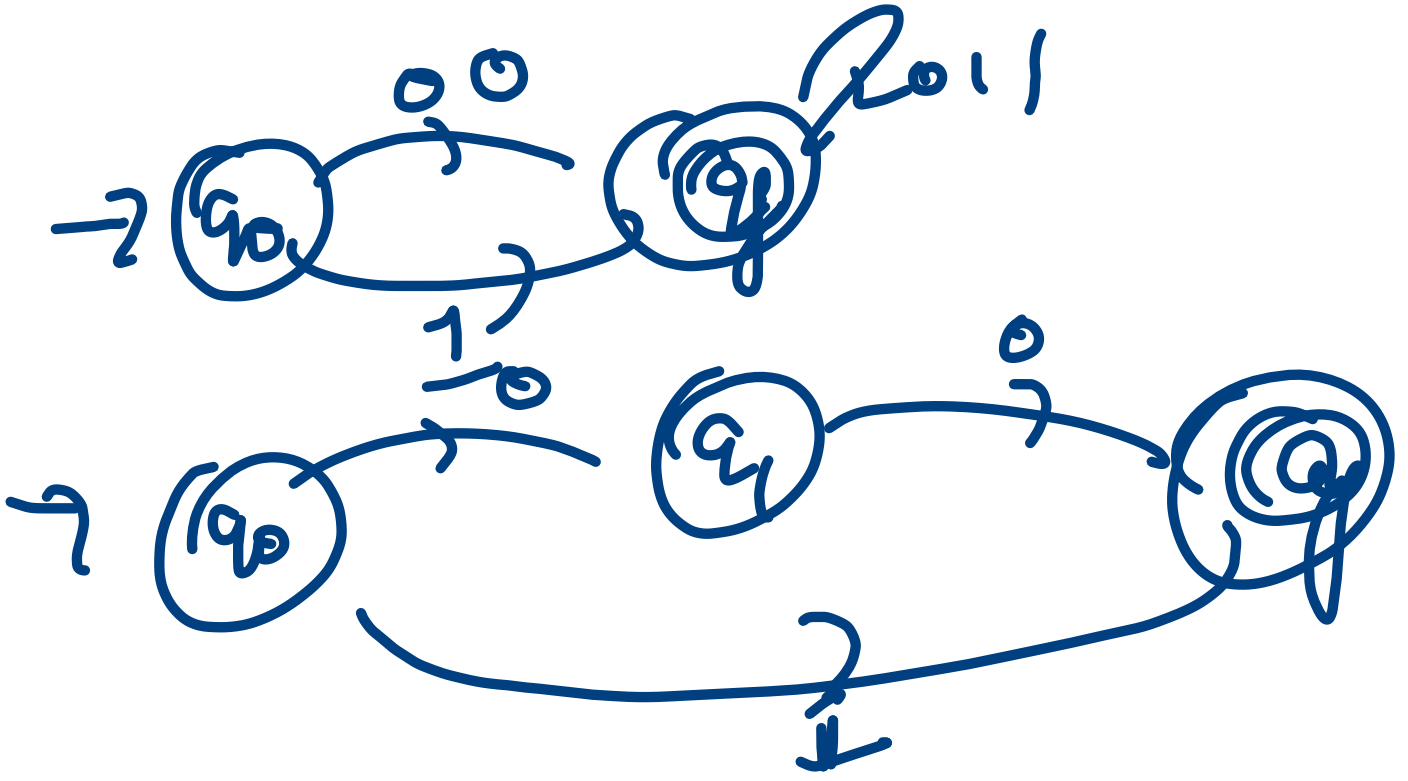




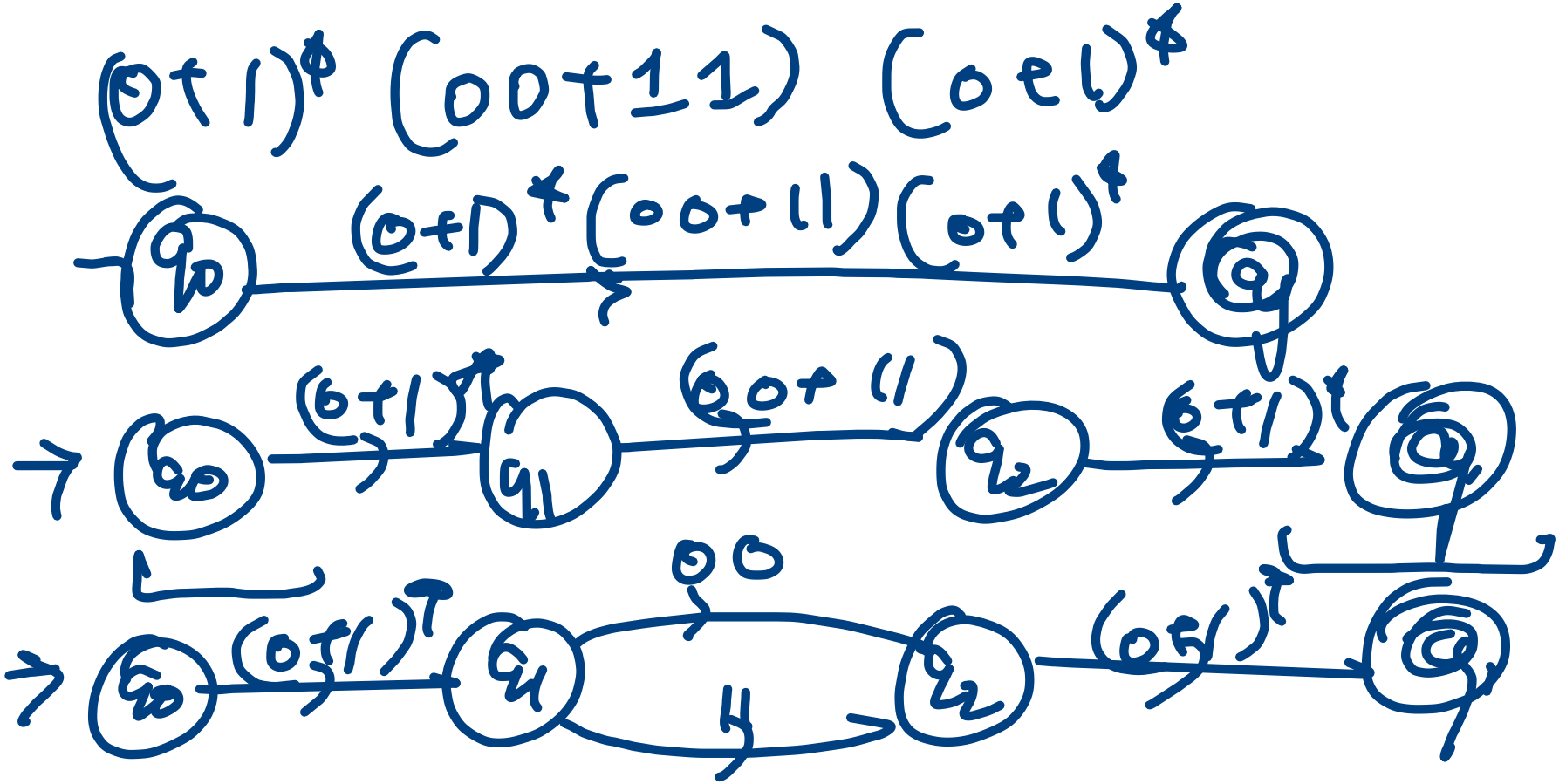
8) $(00+1)(0+1)^*$ — Concatenation

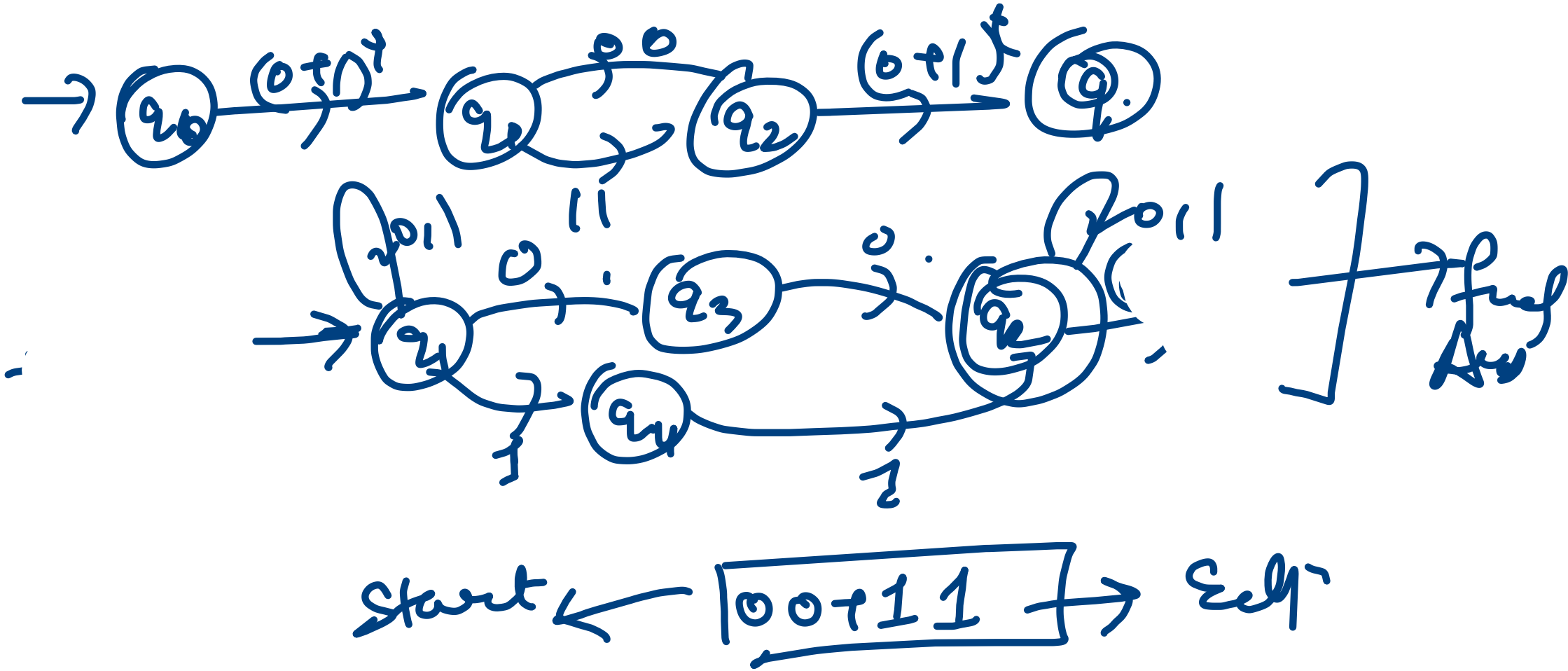




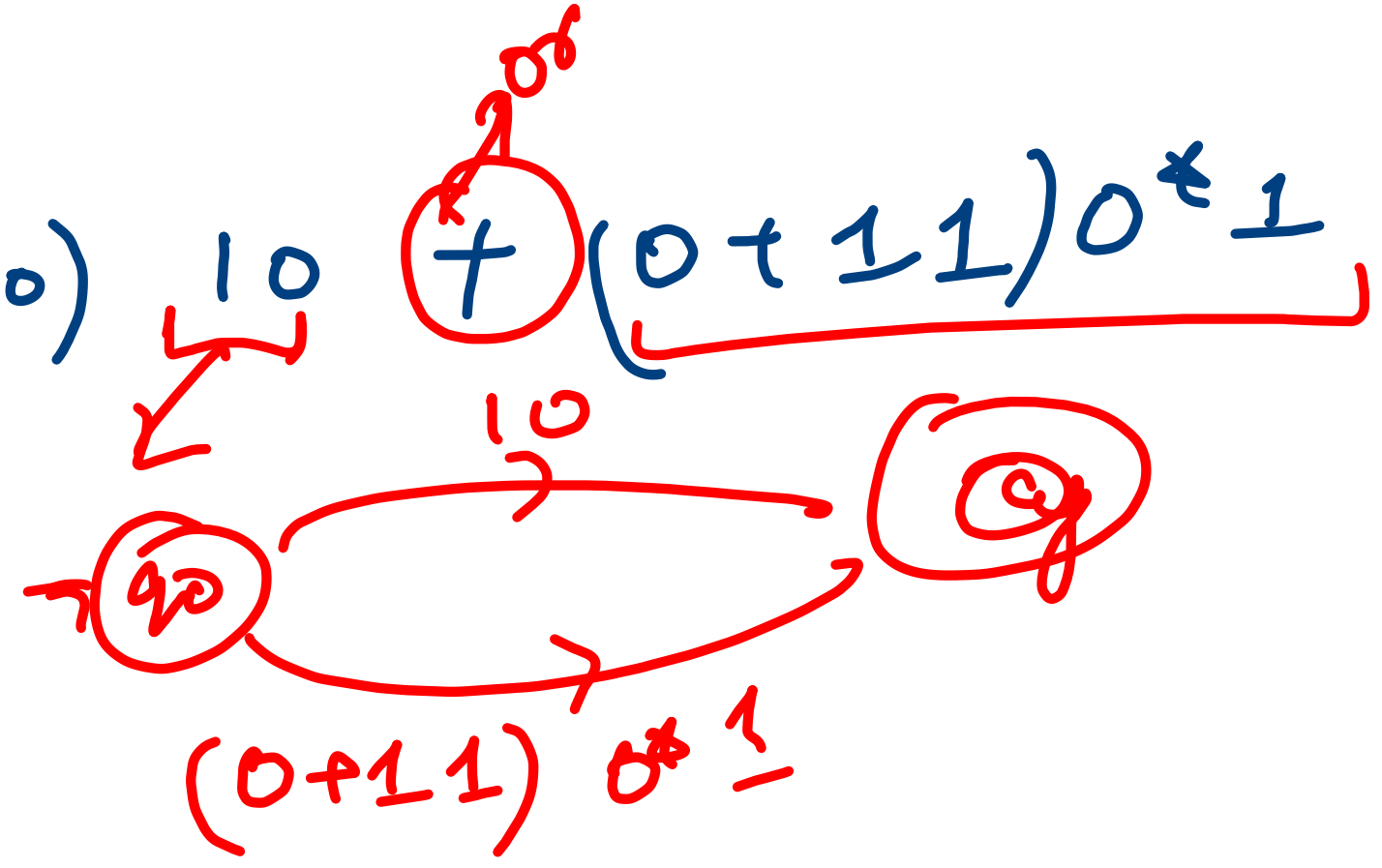

0
0
1
1
0
1
0
1

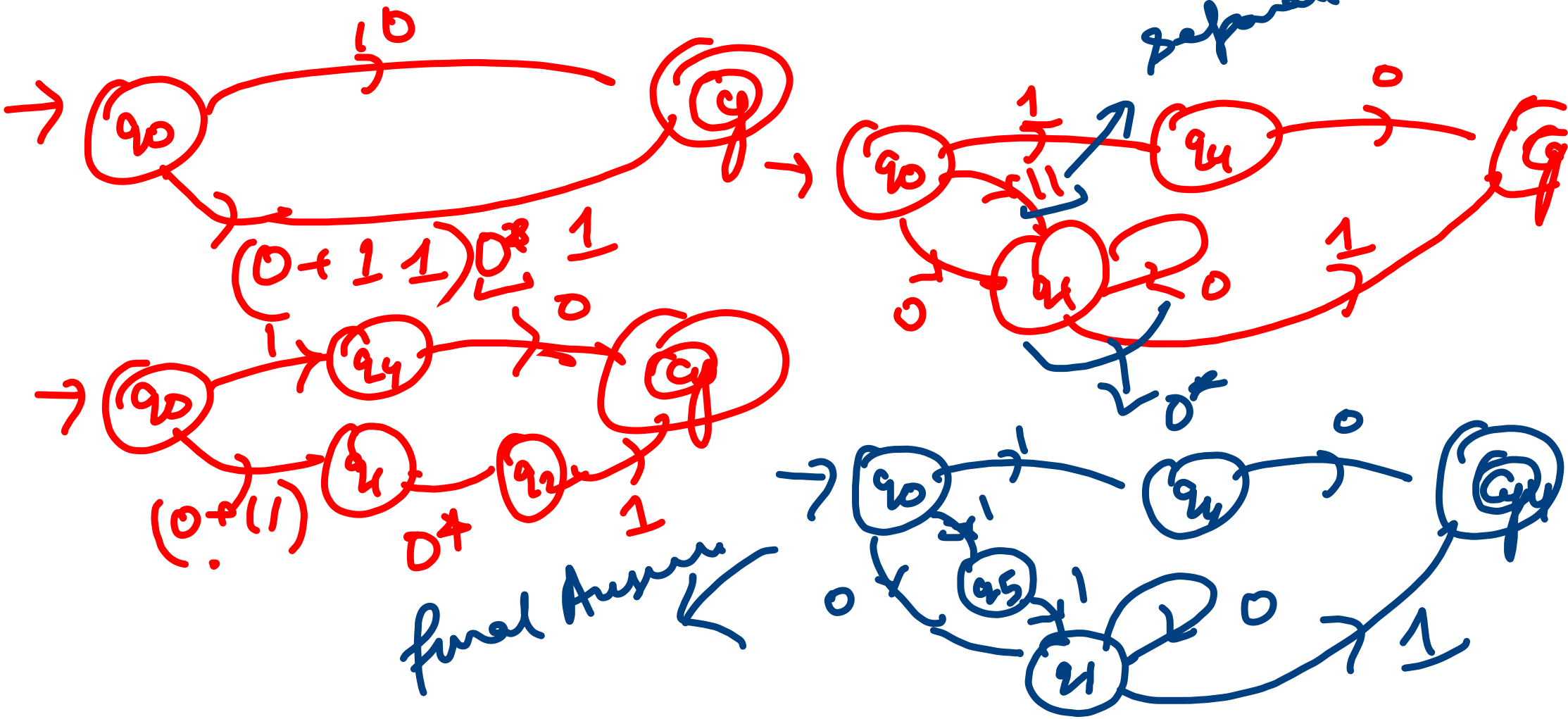
q) $(0+1)^* (00+11) (0+1)^*$




0+1
0
0+1
11
01
0
0
11
1
1
Start
00+11
Ends

(o) 10 $(0+11)0^*1$




0
(0+11)0*1
(0+(11)
0*
1
final Answer
separate out
11
0*