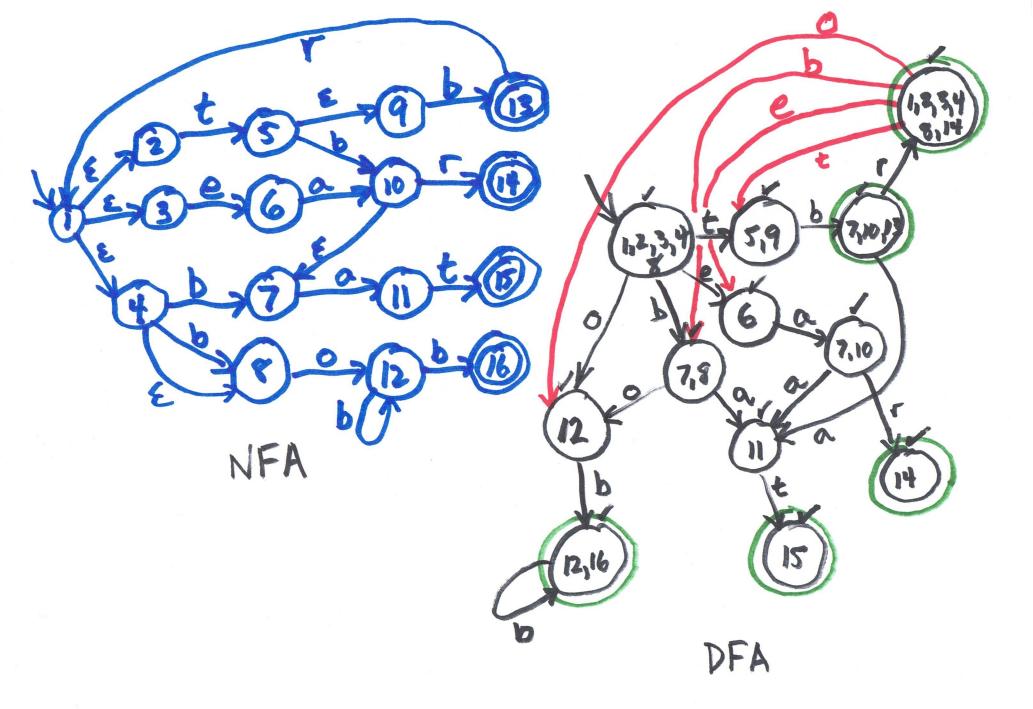
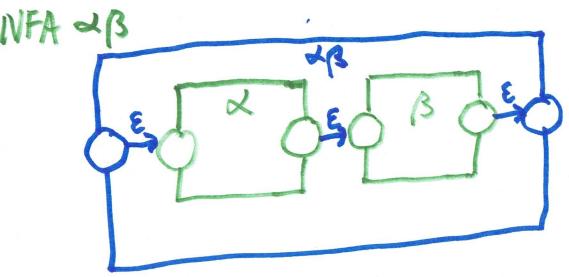
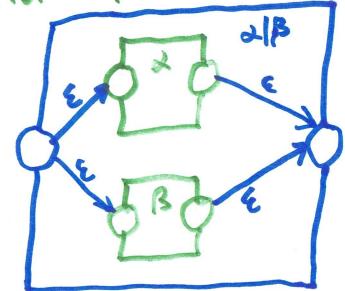
```
do = E-closure (no)
                    11 set of all states of DFA
D = {do}
                    11 states discovered but not expanded
worklist = {do}
while (! worklist. is Empty()) {
        remove a state d from worklist.
        for each character c∈∑
             d'= E-closure (8, (d,c))
             80[d,c]=d'
             if d'&D then
                D= Du {d'}}
add d' to worklist
```

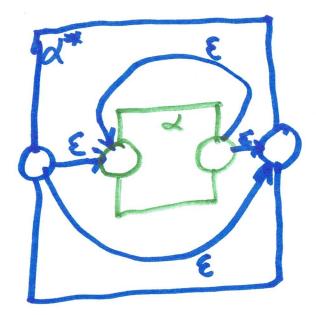




NFA for X\*

NFA for all





## CONSTRUCTING AN NFA FROM A REGULAR EXPRESSION

(THOMPSON'S CONSTRUCTION)

CONSTRUCT NFA RECURSIVELY AS WE CONSTRUCT R.E.

E a EZ ]

2/3 Lis reg. expr.

2/3 Lis reg. expr.

NFA for a & Zi (or E)

