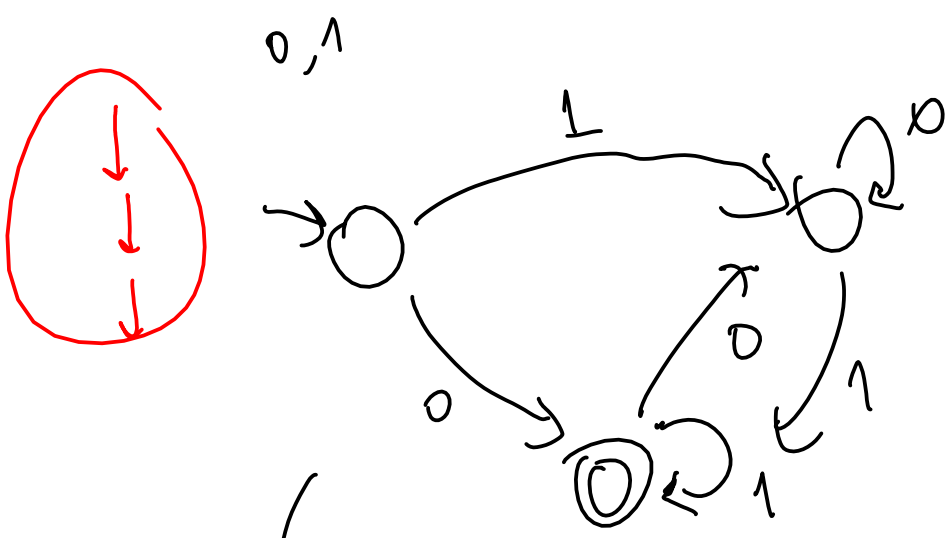
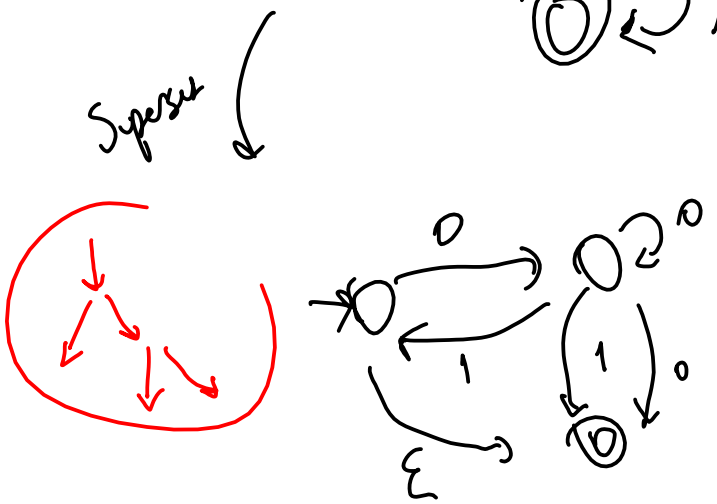
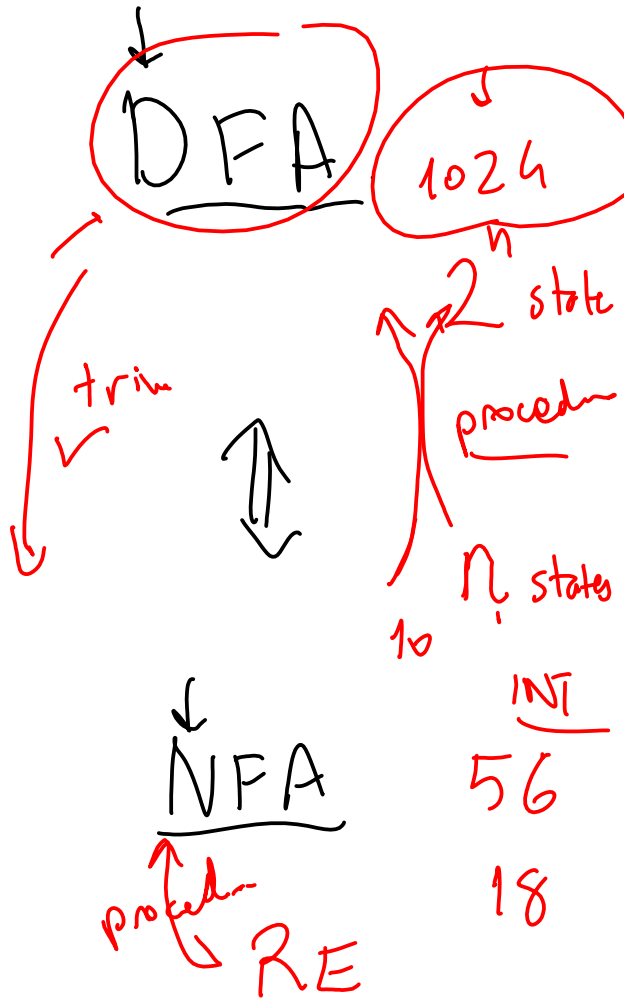

0,1
1
0
0
0
1
1


Superset
0
0
1
1
0
ε


DFA
1024
2 state
procedu
trim
n states
10
INT
56
18
NFA
RE

$$((5+7)^{*} \times 3$$

$A \to Ab \mid Ac \mid bb$

$A \to Ac$

bbc

bbc

$A \to bbA'$

$A' \to bA' \mid cA' \mid \varepsilon$

$A \to bbA'$

$\to bbcA'$

$\to bbc$

$A() \to bbA'() \to cA' \to \varepsilon$

(id + id) * id

Stack	id
0	(id + id) * id $
0 (4 id 5	+ id) * id $
0 (4 id 5	+ id) * id $
0 (4 F 3	+ id) * id $
0 (4 T 2	+ id) * id $
0 (4 E 8	+ id) * id $
0 (4 E 8 + 6	id) * id $
0 (4 E 8 + 6 id 5	) * id $
0 (4 E 8 + 6 F 3	) * id $
0 (4 E 8 + 6 T 9	) * id $
0 (4 E 8	) * id $
0 (4 E 8) 11	* id $
0 F 3	* id $
0 T 2	* id $
0 T 2 * 7	id $
0 T 2 * 7 id 5	$

0 t 2 + 7 F 10 $

0 T 2 $

0 E 1 $

```
a=0
b=1
for i=1 to 5
    c=a+b
    a=b
    b=c
```

a	b	c
0	1	1
1	1	2
1	2	3
2	3	5

$\{c=5\}$?

$\{c=5\}\ b=c\ \{b=5\}$

$\{b=5\}\ a=b\ \{a=5\}$

$\{a+5=5\}\ c=a+b\ \{c=5\}$

$a=\ \ b=3,4$

```
i=1
sum=1
while (i<=10)
    i++;
    sum = sum+i;
print(sum) = 55
```

4 5 6 7 8 9 10

10 15 21 28 36 45 55

$sum = \frac{i\cdot(i+1)}{2}$

while (c++ ==?)