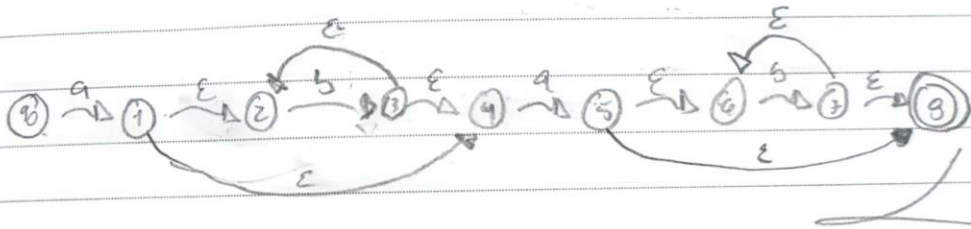
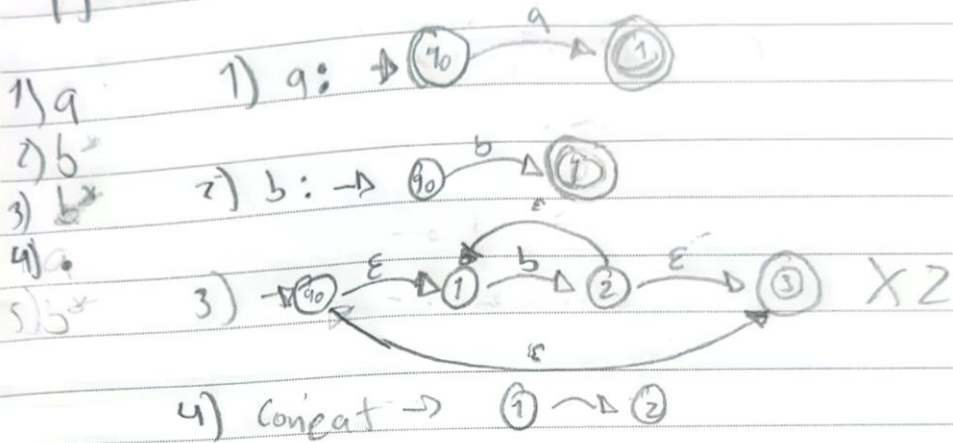


1)  $ab^*ab^*$



Accept:  $abbbab, abab, abbab$

No Accept:  $dabab, bab, bbabb$

EY

2)  $02(1?)?0$

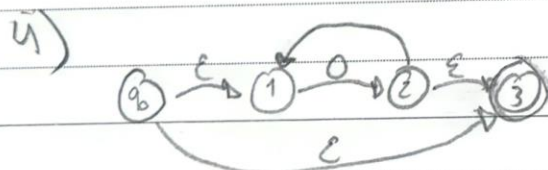
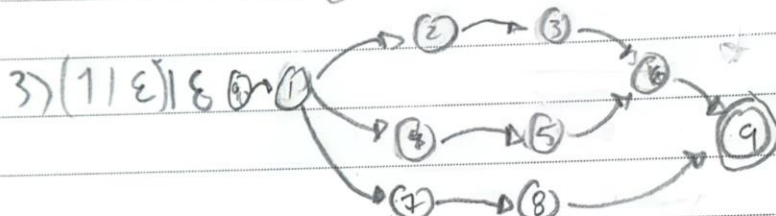
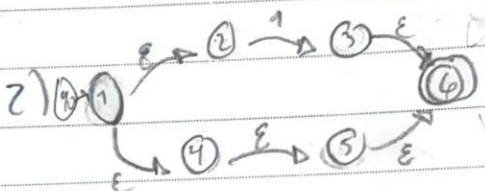
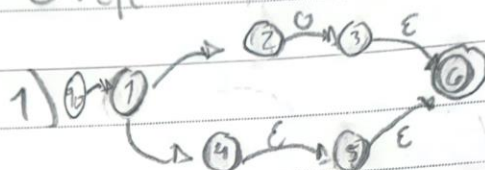
?  $\rightarrow$  or  $\rightarrow 01\epsilon(11\epsilon)1\epsilon$

1)  $01\epsilon$

2)  $11\epsilon$

3)  $(11\epsilon)1\epsilon$

4)  $0$



1)  $\rightarrow$  3)  $\rightarrow$  4)

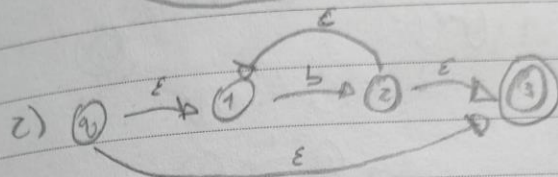
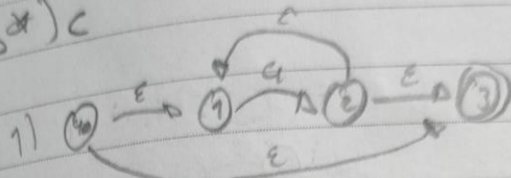
3)  $(a^*|b^*)c$

1)  $a^*$

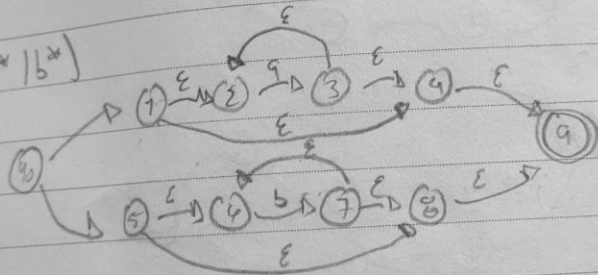
2)  $b^*$

3)  $a^*|b^*$

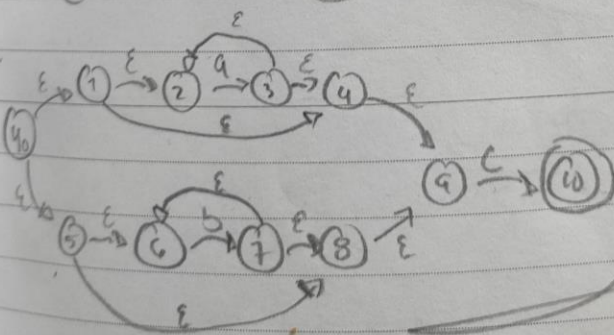
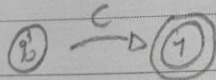
4)  $c$



3)  $(a^*|b^*)$



4)  $c$



ey.com

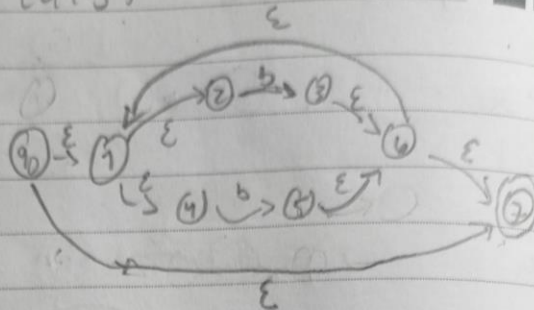
$\Delta: aac, bc, bbbc$   
 $NA: c, abc, bac$

4)  $(b|b)^+ abb (a|b)^+$

EY

1)  $(b|b)^+$

1)



2) a

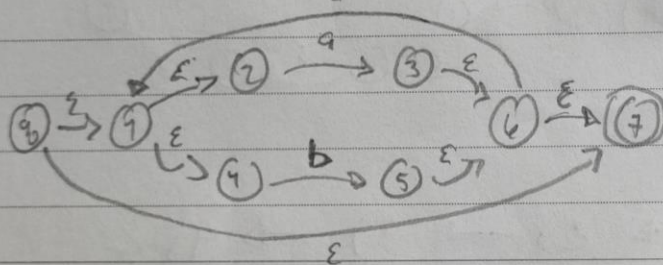
3) b

4)  $(a|b)^+$

2)  $q_0 \xrightarrow{a} q_1$

3)  $q_0 \xrightarrow{b} q_1$

4)



1)  $\rightarrow$  2)  $\rightarrow$  3)  $\rightarrow$  3)  $\rightarrow$  4)

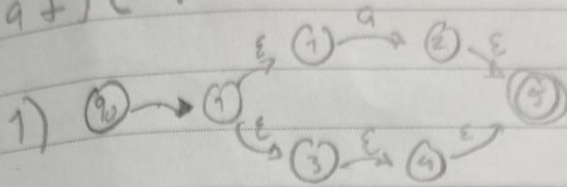
$\Delta$ :  $bb\ abb\ aa, babb\ a, babb\ b$   
 $N$ :  $baabb, bbb\ a$



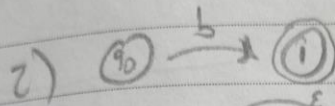
5) (a|ε) b (a+) c ?

+ → \*

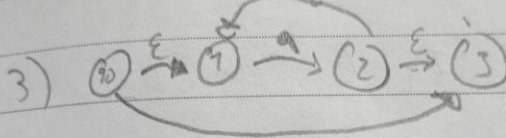
? → |



1) a|ε

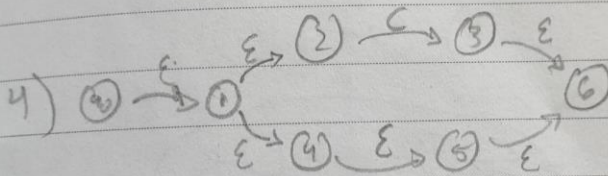


2) b



3) a+

4) c?



1) → 2) → 3) → 4) ✓

Δ : a b a a a c, a b a c, a b a, b a a

∇ : a b b a c, a b a c c, b a b c

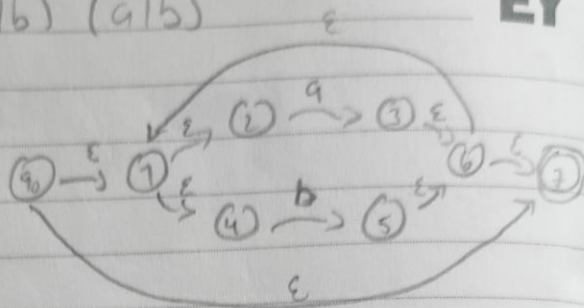
6)  $(a|b)^* a(a|b)^* (a|b)^*$

EY

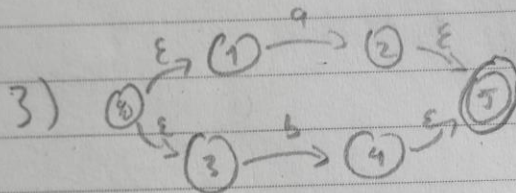
1)  $(a|b)^* \rightarrow 1)$

2)  $a$

3)  $(a|b)^*$



2)  $q_0 \xrightarrow{a} q_1$



1)  $\rightarrow$  2)  $\rightarrow$  3)  $\rightarrow$  3)

$\Lambda$ :  $aaaa, aabb, ba ba$

NA:  $abab, ab, ba$