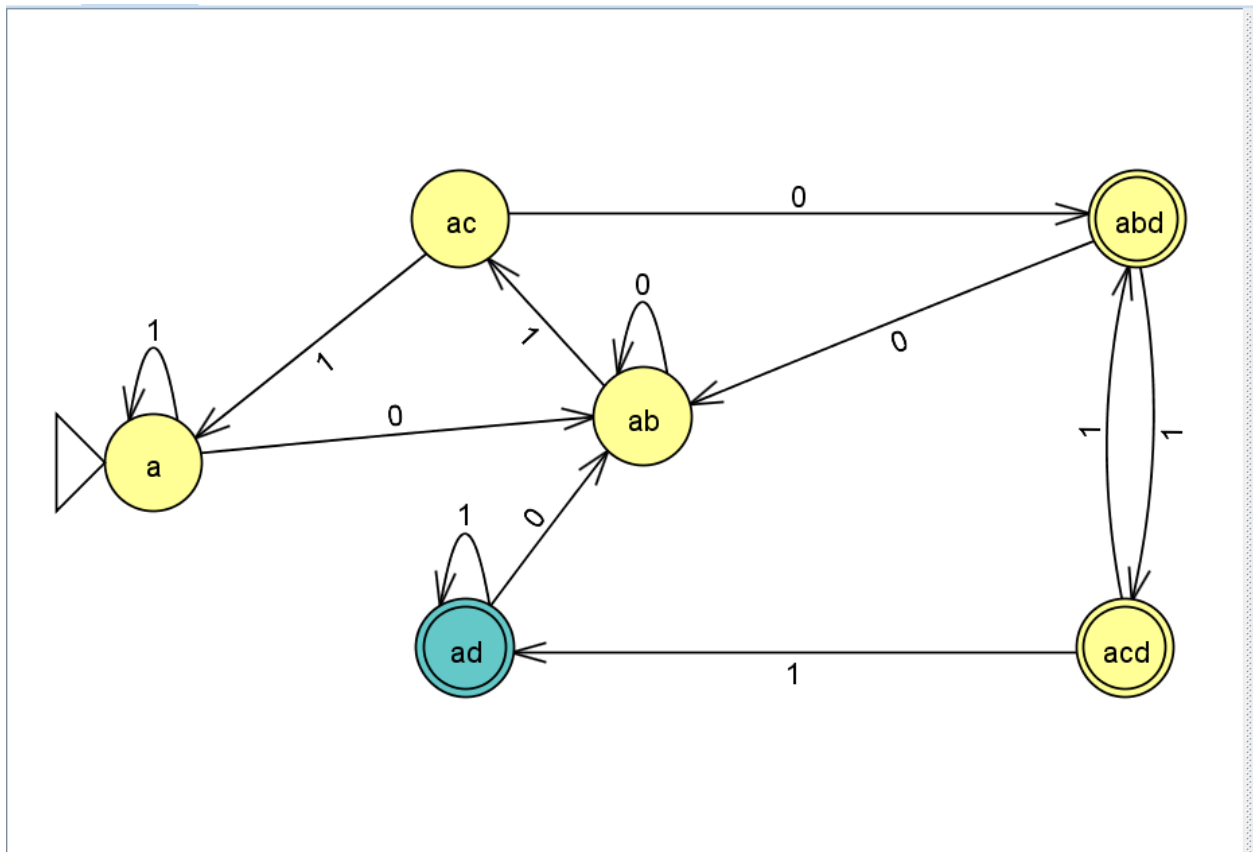


PS2-2

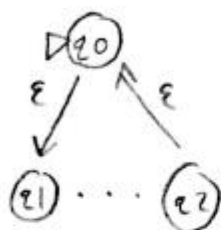
(a)



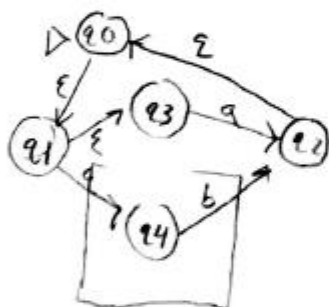
(b) (next page)

Convert $(a + ab^*)^*$ into an NFA.
 Strategy: break regex into smaller NFAs recursively
 and combine.

1. $()^* \approx 0$ or more

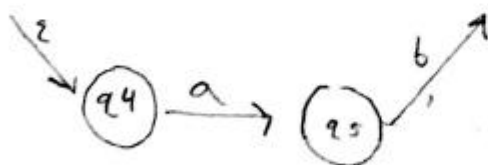


2. 0 or more $(a + b)$

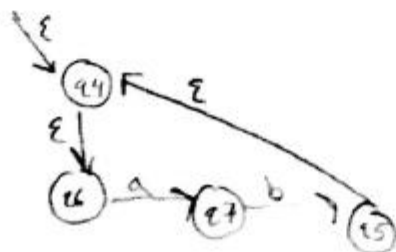


3.

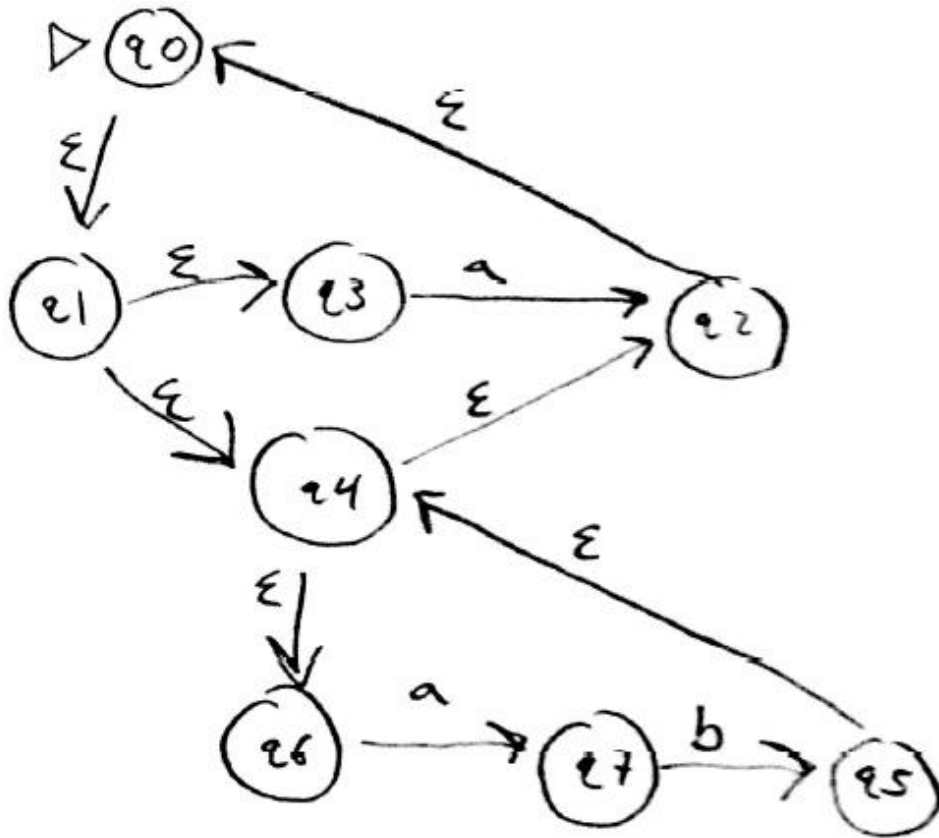
a b



3.5 0 or more a b



4. combine



(c) (next page)

$$(0|1)^* (00|11) (0|1)^*$$

