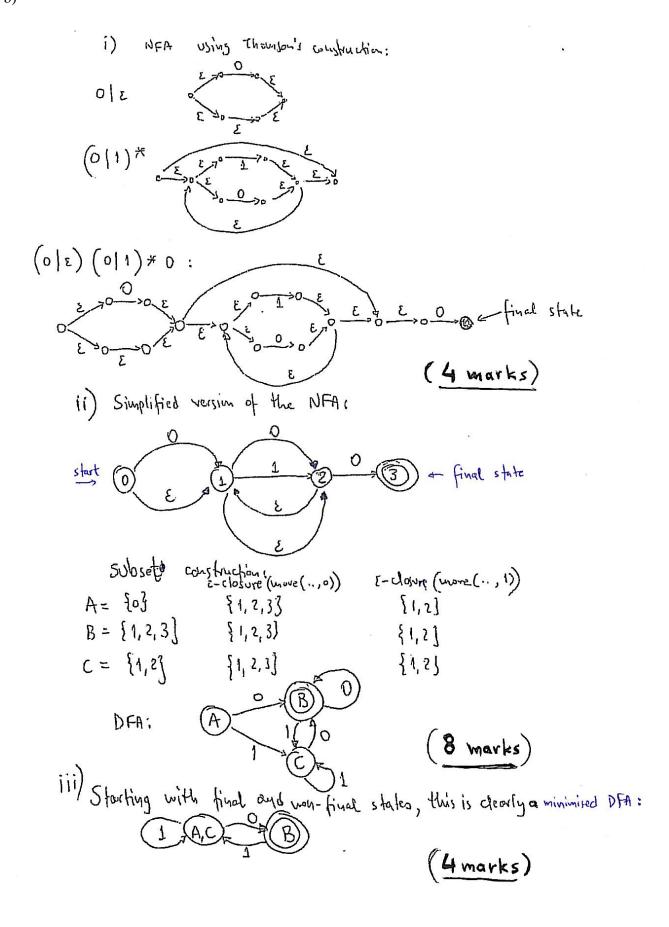
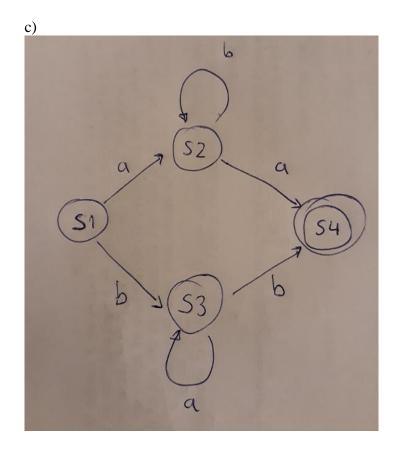
FORMATIVE EXERCISES (1)

a) The regular expression is: a ((a | b) any_char c*) * d | e

b)





d)
Clearly any integer greater than 798 will have either 4 digits at least or 3 digits and the first one will be 8 or 9, or it will be 799. Hence, the regular expression is:
integer798 → digit0 digit digit digit digit | 8 digit digit | 9 digit digit | 799
where digit is any digit (0 to 9) and digit0 is any digit except 0.