enter the number of alphabets?

4

NOTE:- [ use letter e as epsilon]

NOTE:- [e must be last character ,if it is present]

Enter alphabets?

a

b

c

e

Enter the number of states?

3

Enter the start state?

1

Enter the number of final states?

1

Enter the final states?

3

Enter no of transition?

5

NOTE:- [Transition is in the form--> qno alphabet qno]

NOTE:- [States number must be greater than zero]

Enter transition?

1 a 1

1 e 2

2 b 2

2 e 3

3 c 3

Equivalent NFA without epsilon

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start state:{q1,q2,q3,}

Alphabets:a b c e

States :{q1,q2,q3,} {q2,q3,} {q3,}

Transitions are...:

{q1,q2,q3,} a {q1,q2,q3,}

{q1,q2,q3,} b {q2,q3,}

{q1,q2,q3,} c {q3,}

{q2,q3,} a {}

{q2,q3,} b {q2,q3,}

{q2,q3,} c {q3,}

{q3,} a {}

{q3,} b {}

{q3,} c {q3,}

Final states:{q1,q2,q3,} {q2,q3,} {q3,}