DAA PROJECT REPORT

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ABSTRACT :

The main functionality of the project is converting an epsilon NFA, taken as input from the user, to a DFA, which accepts the same language as the epsilon NFA.

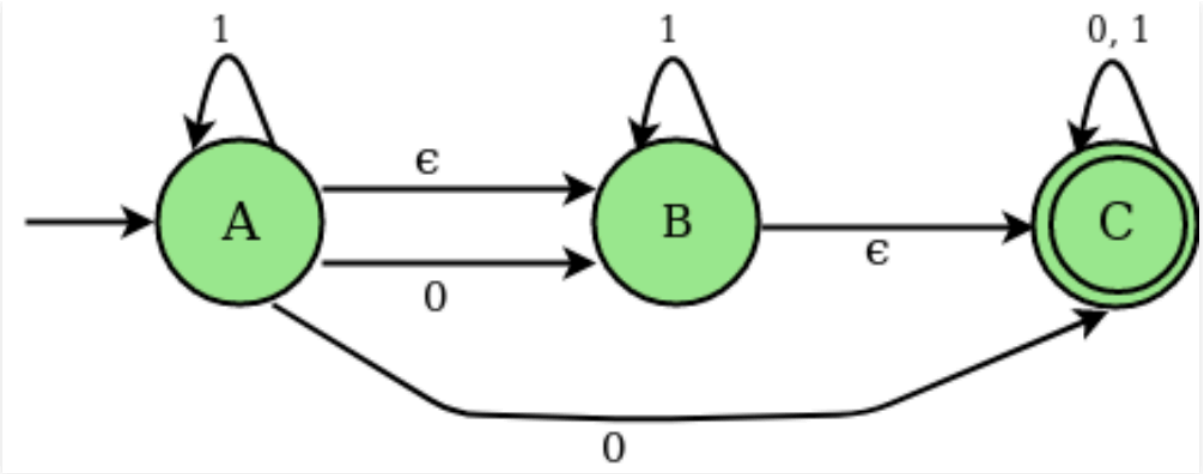
HIGH LEVEL ALGORITHM :

```
Algorithm Closure(A,i,m,n)
State <- A[i]
Closure <- []
k<-0
cstate <- State[n-1]
Closure[k] <- cstate
k <- k+1
while cstate is not '-'
        State <- A[cstate]
        Cstate <- State[n-1]
        Closure[k] <- cstate
        k <- k+1
return Closure

Algorithm NFA_TO_DFA(A,m,n)
State <- A[0]
K<-0
States <- []
B <- []
While state not in states
        States[k] <- state
        K <- k+1
        Transition <- []
        for i <- 0 to n
                transition.append(closure(A[i]))
                state<-closure(A[i])
        B.append(transition)
Return B
```

TEST RESULTS :

INPUT TO PROGRAM :



OUTPUT OF PROGRAM :