

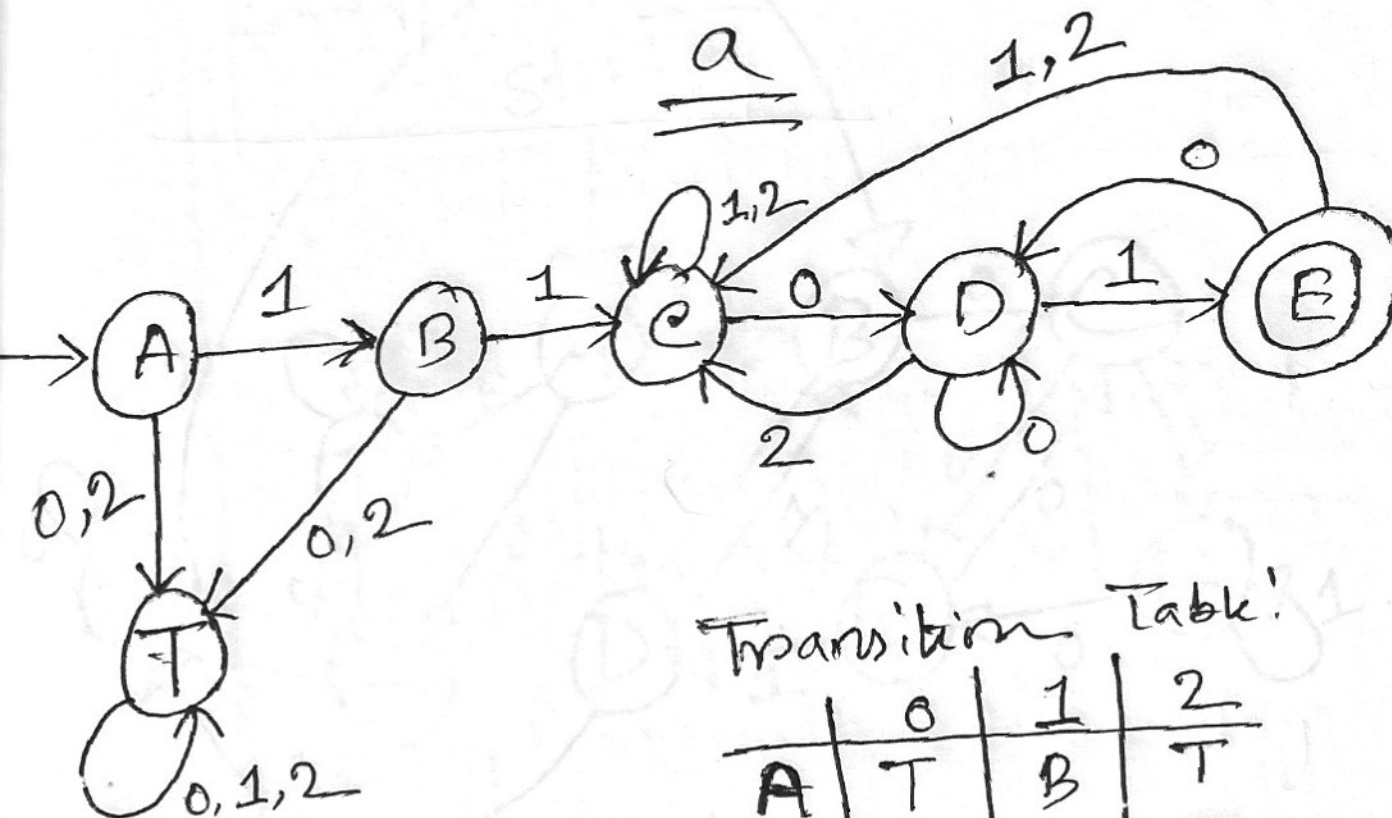
ASSIGNMENT - 2

Names SHADAB IBBAN

ID: 19101072

Sec: 09

Ans. to Q No - 1



Transition Table:

	0	1	2
A	T	B	T
B	T	C	T
C	D	C	C
D	D	E	C
E	D	C	C
T	T	T	T

Initial = A

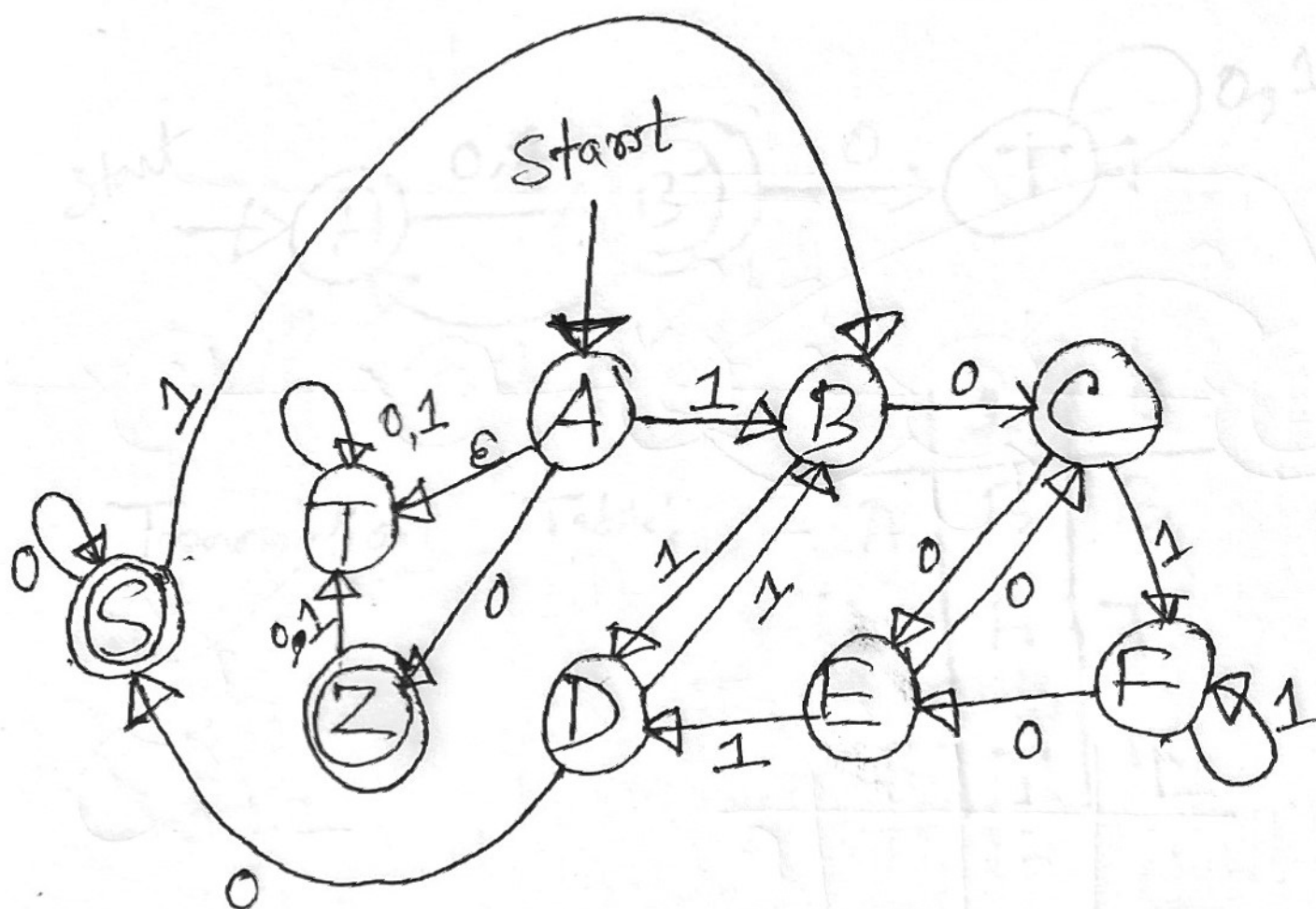
Final = E, Z

Remainder 1 → B

Accepted state:

⇒ E

b



Initial = A

Final = S, Z

Remainder 1 \rightarrow B

" 2 \rightarrow C

" 3 \rightarrow D

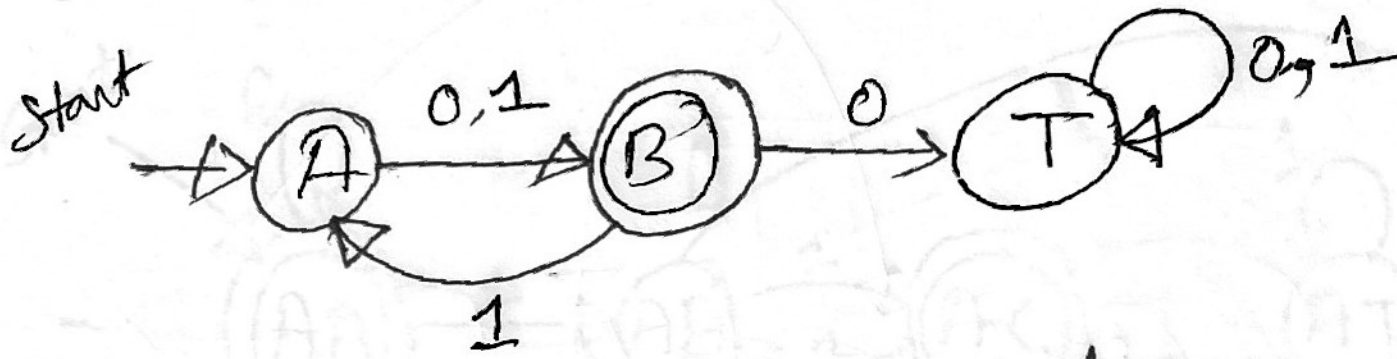
" 4 \rightarrow E

" 5 \rightarrow F

Transition Table:

	0	1	ϵ
A	Z	B	T
B	C	D	
C	E	F	
D	S	B	
E	C	D	
F	E	F	
T	T	T	
Z	T	T	
S	S	B	

c

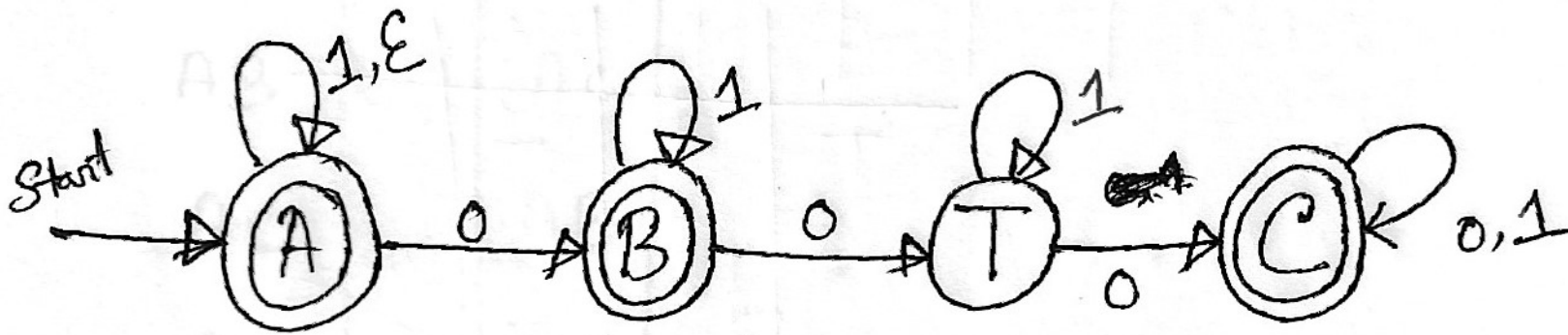


Accepted state = B

Transition Table:

	1	0
A	B	B
B	A	T
T	T	T

d

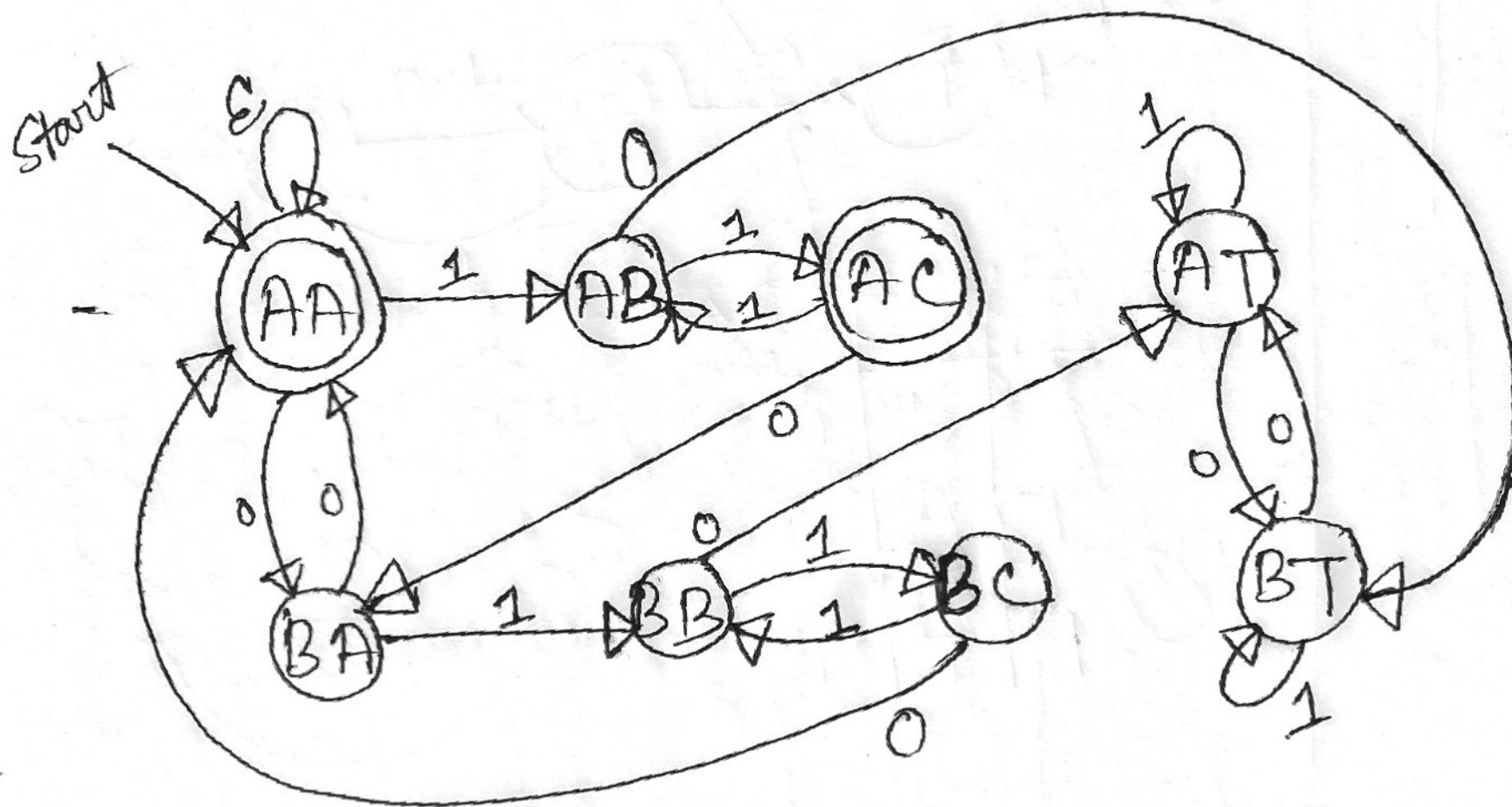


Transition Table:

	0	1	ϵ
A	B	A	A
B	T	B	
C	C	C	
T	C	T	

Accepted state:
→ A, B, C

c



Transition Table

	0	1	ε
AA	BA	AB	
AB	BT	AC	
AC	BA	AB	
AT	BT	AT	
BA	AA	BB	
BB	AT	BC	
BC	AA	BB	
BT	AT	BT	

Accepted states;
 \Rightarrow AA, AC