

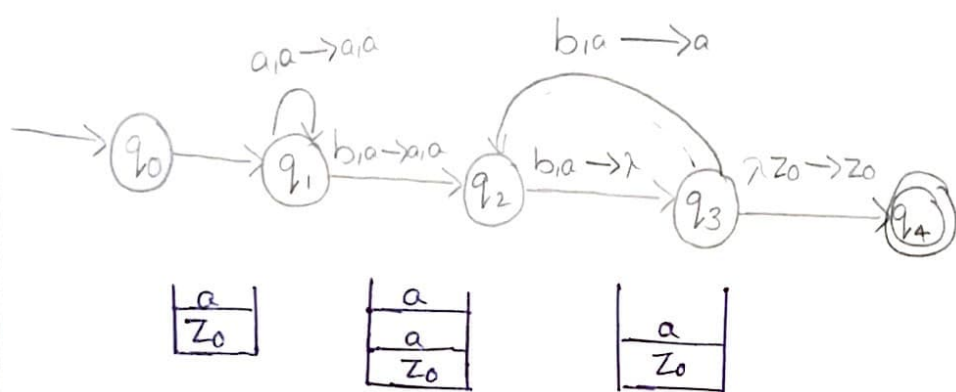
Exp. No : 04 - Design DFA to Accept i/p "a", "ac", "bac".

Design DFA Using Simulator to accept the input string "a", "ac" and "bac".



Exp. No: 05 Design PDA with i/p String aabb.

Design PDA Using Simulator to accept the input String aabb.



$$\delta(q_0, q_1, z_0) = (q_1, a z_0)$$

$$\delta(q_1, a, a) = (q_1, aa)$$

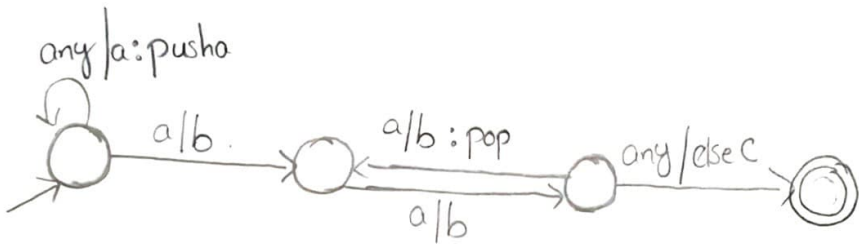
$$\delta(a, b, a) = (q_2, aa)$$

$$\delta(q_2, b, a) = (q_3, \lambda)$$

$$\delta(q_3, \lambda, z_0) = (q_4, z_0)$$

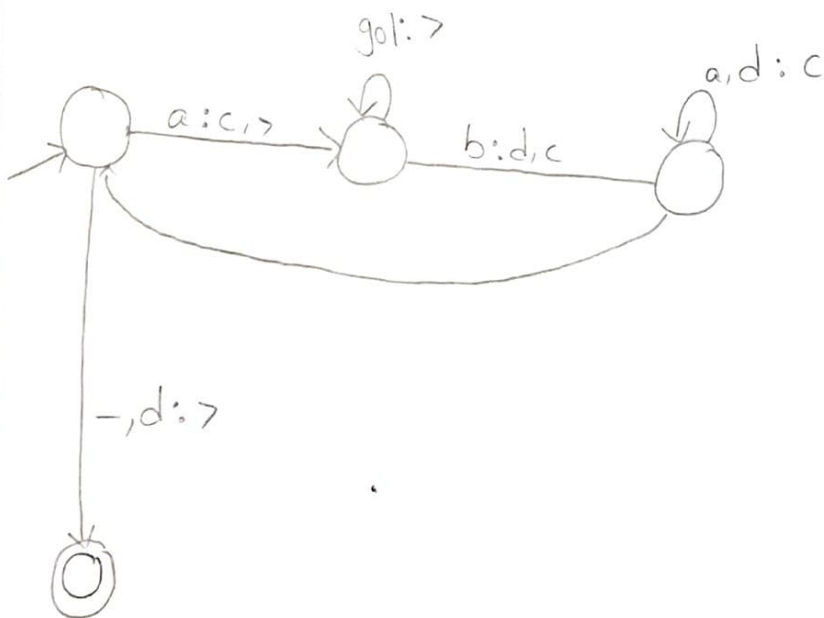
Exp. No: 06 - Design PDA with the i/p $a^n b^n a^n$

→ Design PDA Using Simulator to accept the i/p string $a^n b^n a^n$.



Exp. No : 07 :- Design TM with i/p $A^n B^n$.

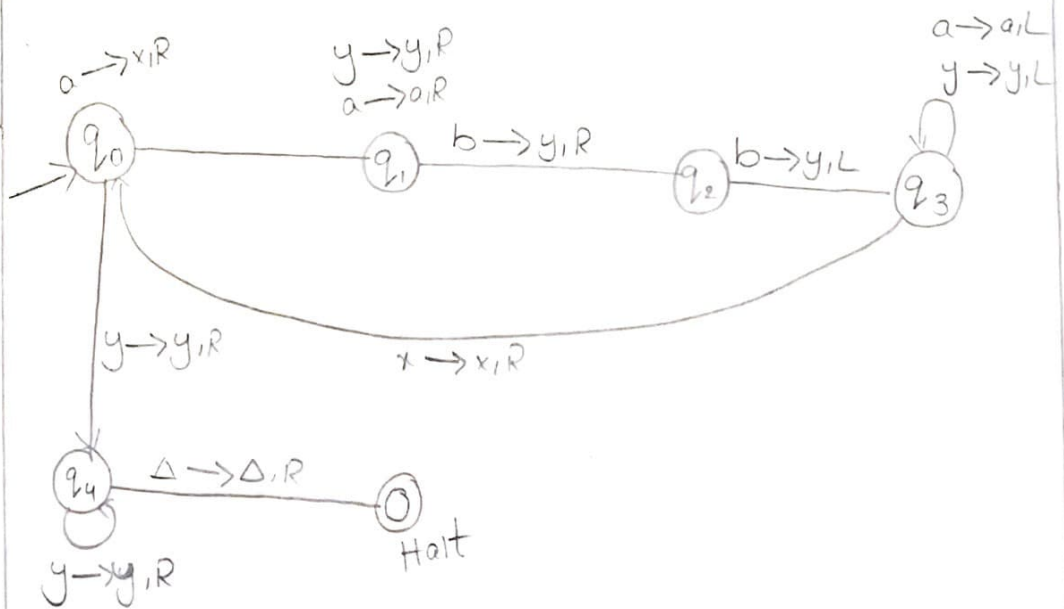
→ Design TM to accept the i/p string $A^n B^n$.



Exp. No :- 08 ; Design TM with the i/p string $A^n B^n a^n$

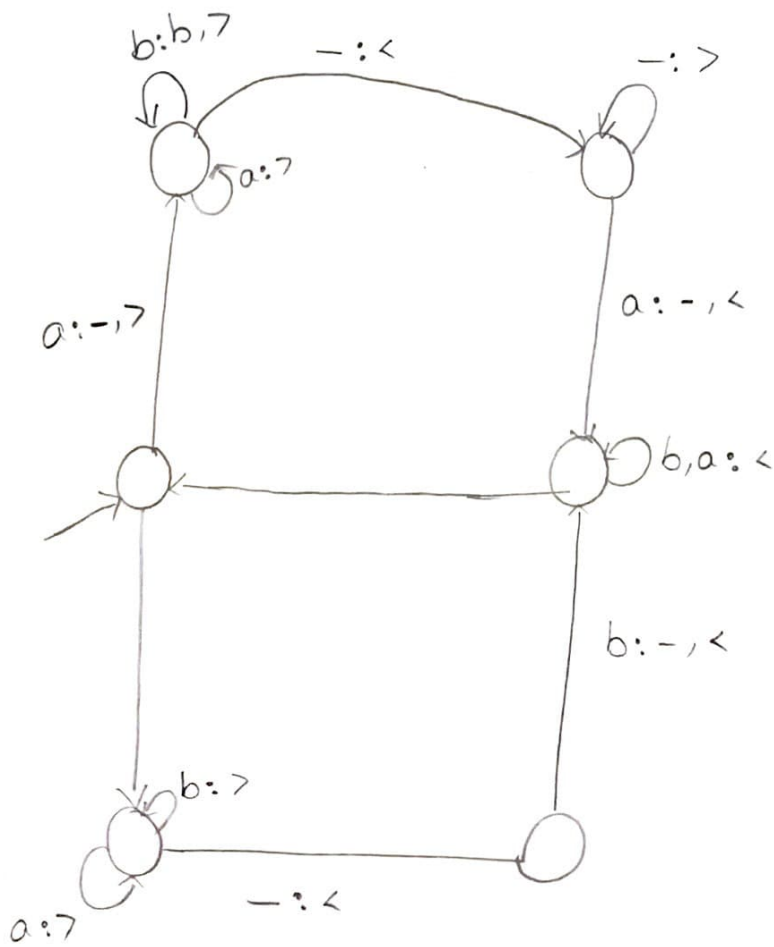
→ Design TM to accept the input string $A^n B^n a^n$

aa	bb	bb
xa	yy	
	←	
x	yy	yy
		←
x	yy	yy
→		



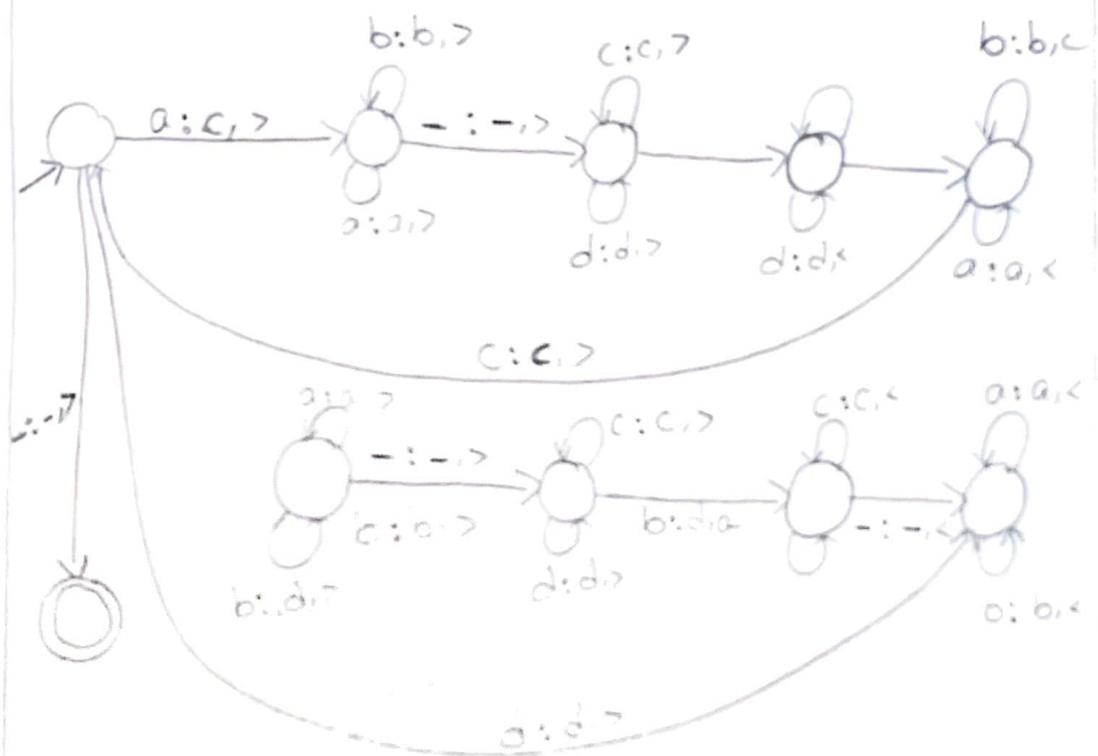
Exp.No : 09 - Design TM with i/p String palindrome ababa

→ Design TM Using Simulator to accept the input string palindrome ababa.



Exp. No: 10 - Design TM With ilp String WW

→ Design TM Using Simulator to accept the input String WW.

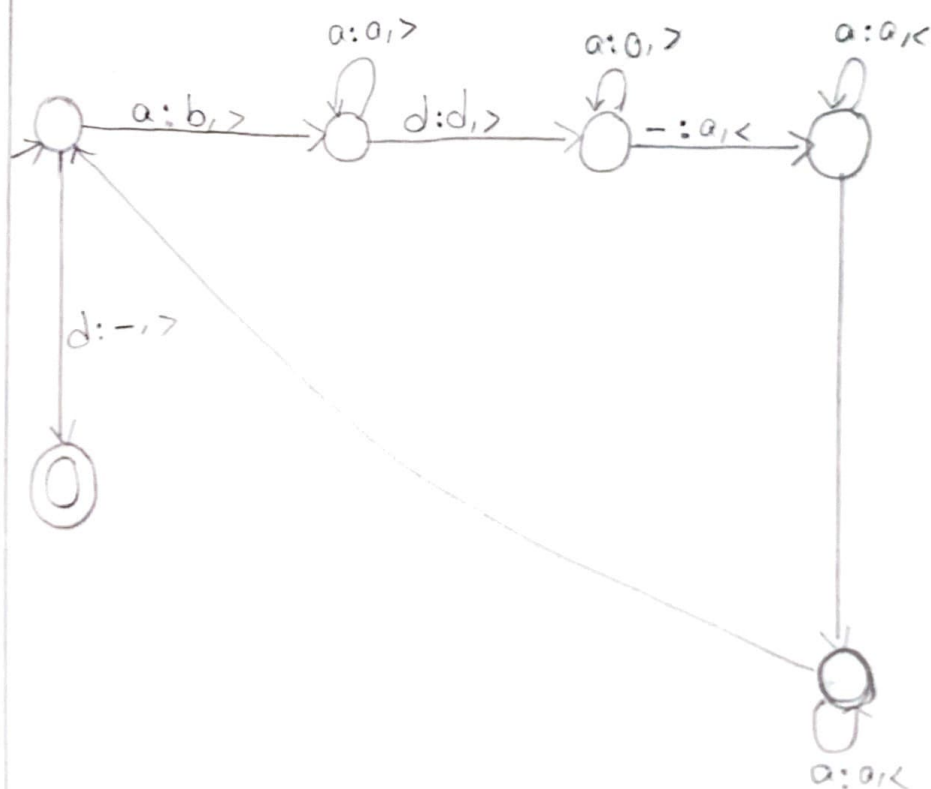


Exp. No: 11 Design TM With i/p 'aa' and 'aaa'

→ Design TM Using Simulator to perform addition of 'aa' and 'aaa'

$$W = aa + aaaa$$

After Addition of a's = aaaaaa

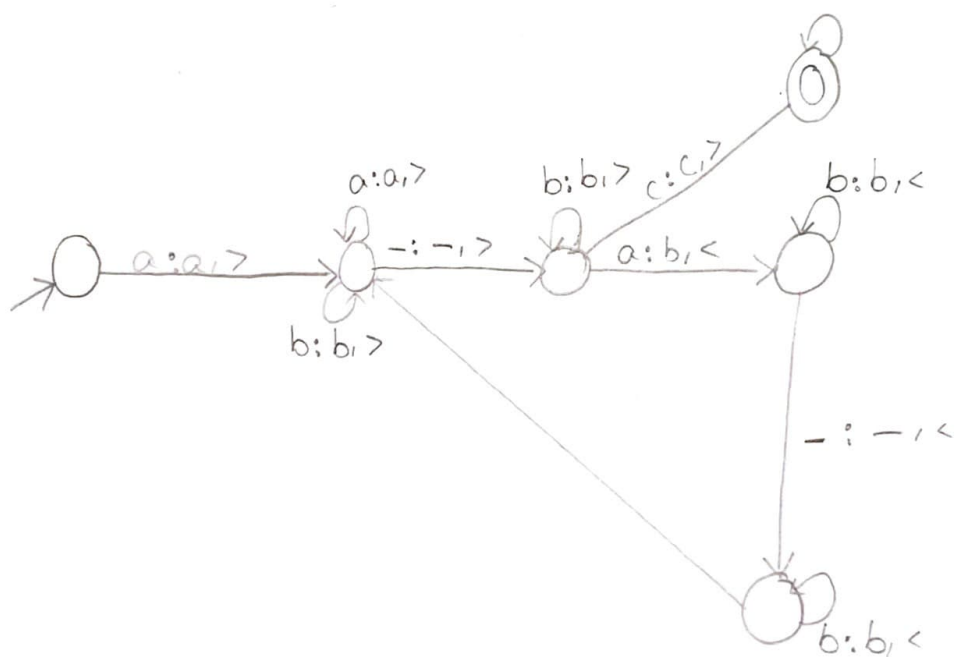


Exp. No : 12 :- Design TM With i/p String aaa-aa

→ Design TM Using Simulator to perform subtraction of $aaa-aa$

$$W = a a a - a a$$

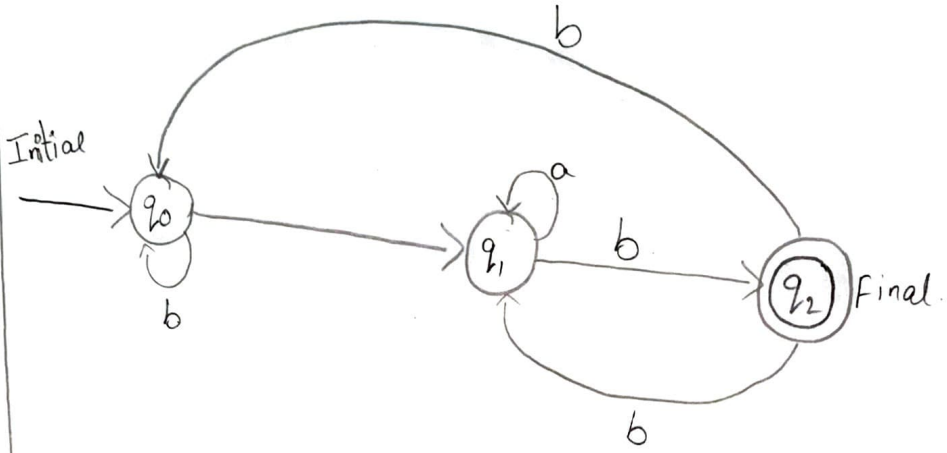
The Result of Subtraction is = a



$W = a a a b a b$

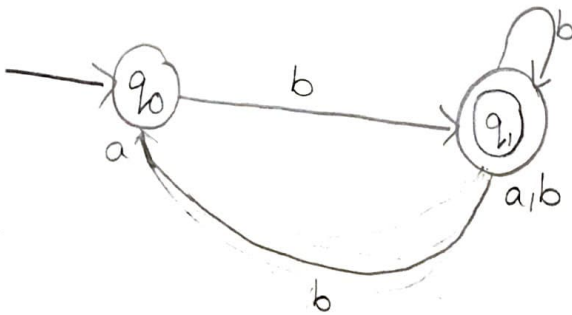
Exp. No: 13 - Design DFA with input strings end with ab over set $\{a, b\}$

$W = a a a b a b$.



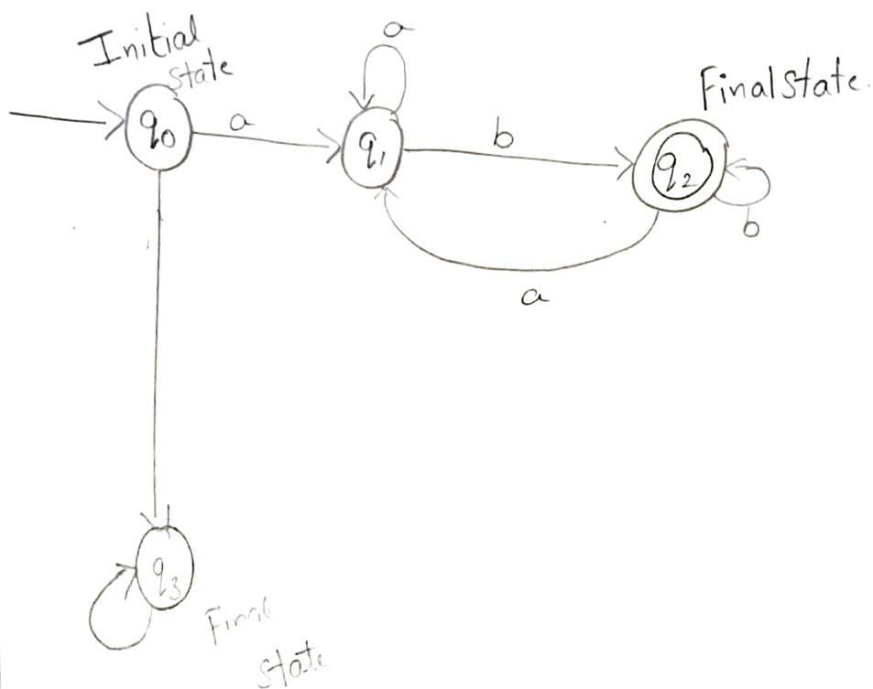
Exp. No : 14 - Design DFA to accept odd no's of a's

→ Design DFA to accept odd number of a's



Exp.No:- 15 - Design DFA having 'ab' over set {a,b}

→ Design DFA being simulator to accept the string having 'ab' as substring over the set {a,b}.



Exp.No: 16 Design DFA to accept a or b over the set {a,b}

→ Design DFA Using Simulator to accept the strings start with a or b over the set {a,b}.

