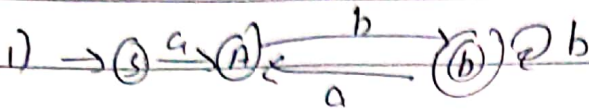


Tutorial - 9



Functions:

S(x) {

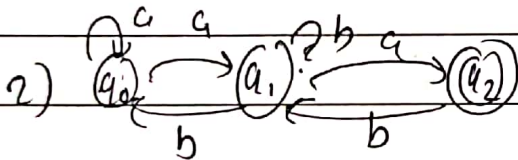
if (x == 'a') goto A(next);
 else print("Error"); }

A(s) {

if (x == 'a') goto A(next);
 else print("Error"); }

B(x) {

if (x == 'b') goto A(next);
 else if (x == 'b') goto B(next);
 else if (end) print("Accept");
 else print("Error"); }

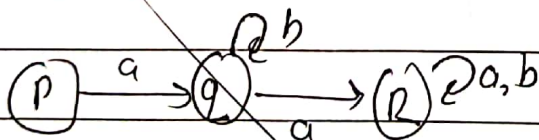


Stack

a b

 q_0 $q_0 q_1$

=

 $q_0 q_1$ $q_0 q_1 q_2$ $q_0 q_1$ $q_0 q_1 q_2$ $q_0 q_1 q_2$ $q_0 q_1 q_2$ let, $q_0 = P$ $(q_0 q_1) = Q$ $(q_0 q_1 q_2) = R$ 

Functions:

P(x) {

if (x == 'a') goto Q(next);
 else print("Error"); }

~~Q(x)~~

~~Q(x) {~~

~~if (x == 'a') goto R(next);~~

~~else if (x == 'b') goto Q(next);~~

~~else print("Error"); }~~

~~R(x)~~

~~if (x == 'a') goto R(next);~~

~~else if (x == 'b') goto R(next);~~

~~else if (end) print("Accept");~~

~~else print("Error"); }~~

Functions:

~~Q₀(x)~~ {

~~if (x == 'a') goto Q₀(next) / Q₁(next);~~

~~else print("Error"); }~~

Q₁(x) {

if (x == 'a') goto Q₁(next); else if (x == 'b') goto Q₁(next)

else print("Error"); }

Q₂(x) {

if (x == 'a') goto Q₂(next);

else print("Error"); }