

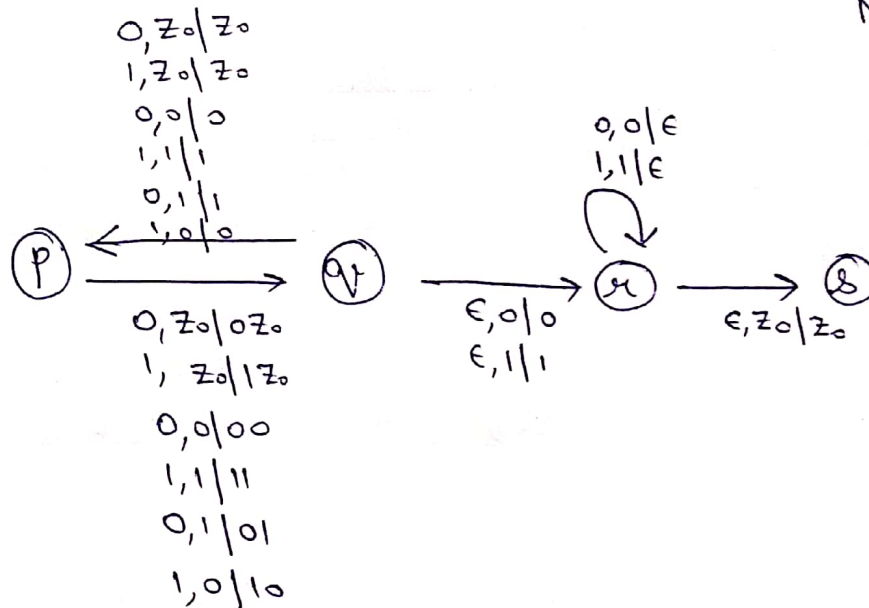
# TOC Assignment-1

Sayam Kumar

S20180010158

Mar 31, 2020

Drawing the PDA



Input @ 10010

$(P, 10010, Z_0)$

↓

$(q, 0010, 1Z_0) \rightarrow (r, 0010, 1Z_0)$

↓

$(P, 010, 1Z_0)$

↓

$(q, 10, 01Z_0) \rightarrow (r, 10, 01Z_0)$

↓

$(P, 0, 01Z_0)$

↓

$(q, \epsilon, 001Z_0)$

↓

$(r, \epsilon, 001Z_0)$

String 10010 is rejected by PDA.

Input @ 110

$(P, 110, Z_0)$

↓

$(q, 10, 1Z_0) \rightarrow (r, 10, 1Z_0)$

↓

$(r, 0, Z_0)$

↓

$(P, 0, 1Z_0)$

↓

$(q, \epsilon, 01Z_0)$

↓

$(r, \epsilon, 01Z_0)$

String 110 is rejected by PDA.

Submitted by - Sayam Kumar  
S20180010158