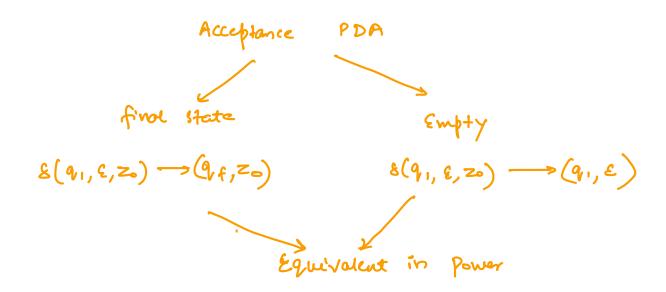
Acceptance by Empty Stack

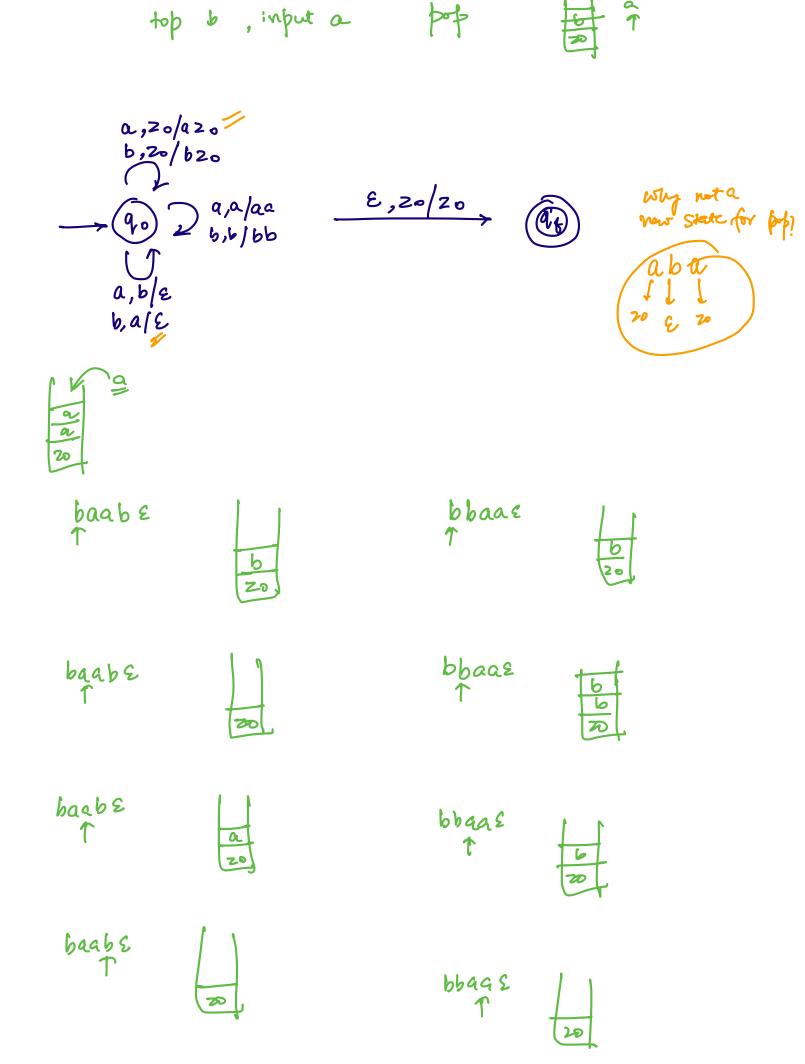
$$\begin{array}{c} a, 20/a20 \\ \rightarrow & 90 \\ \hline \\ a, a/aa \\ \end{array} \begin{array}{c} b, a/E \\ \hline \\ 9,1 \\ \hline \\ 20/E \end{array}$$

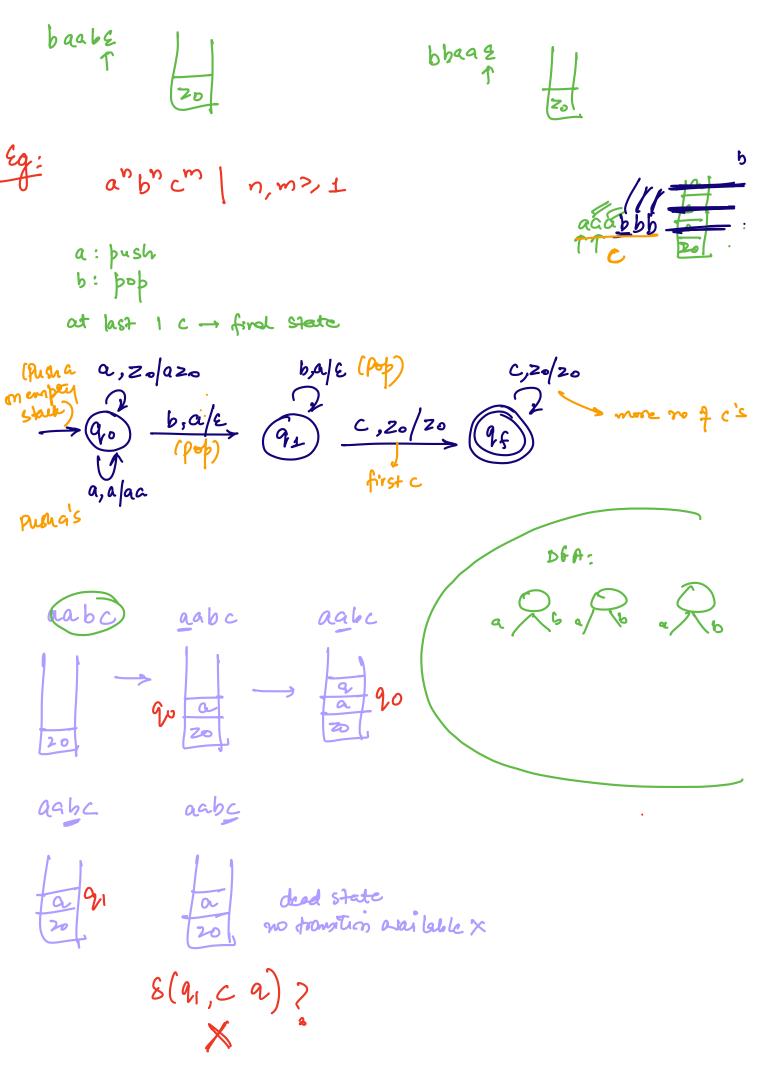


$$\frac{\epsilon_{q}}{\omega}$$
 ω $| n_a(\omega) = n_b(\omega)$

Logic: first time: bush a, bush b

top a, input b pop





Eq: anbmcn |n,m>,1 alphabet, Stack top / was top a: bush b: ignore C : pop b,a/a (prpa's) buch Sa, a/aa a's a, 20/azo $\frac{c,a/\epsilon}{(pop a)}$ £,20/20 b,a/a aabce (ppa's) (ignore b's) buch Sa, a/aa
a's 2a,20/azo b,a/a £,20/20 b,a/a c,a/e
(popa) state input Speck <u>aabce</u> IS: 20 ZO

IS: aabce

aabce

aabce

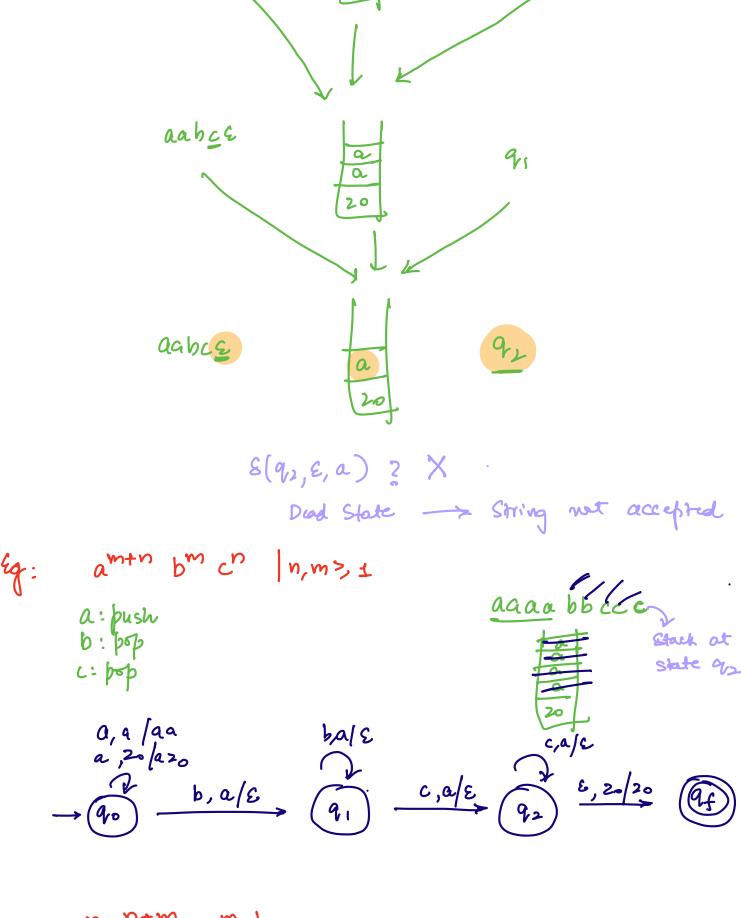
aabce

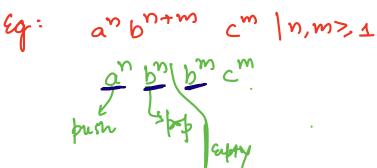
aabce

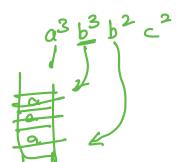
qo

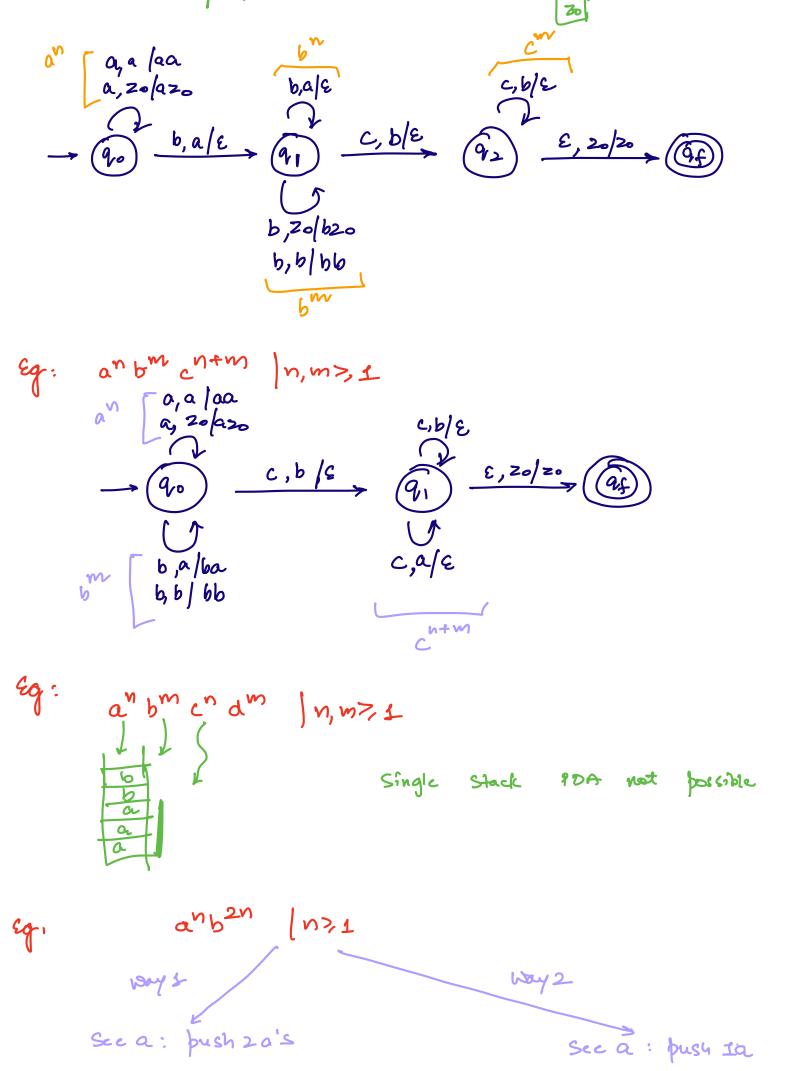
qo

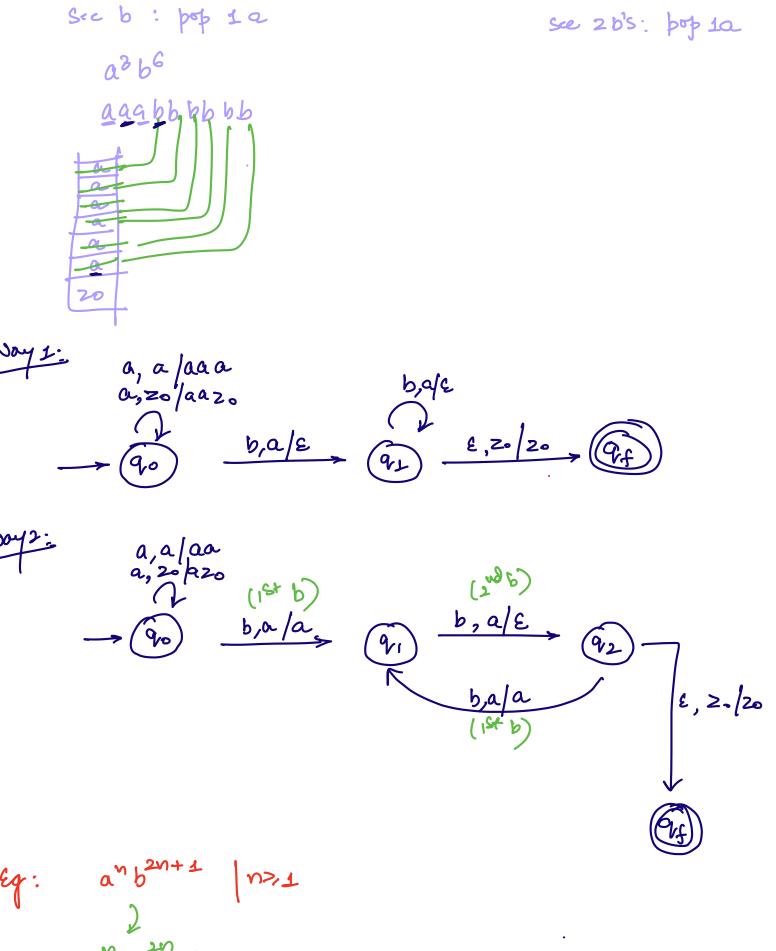
qo





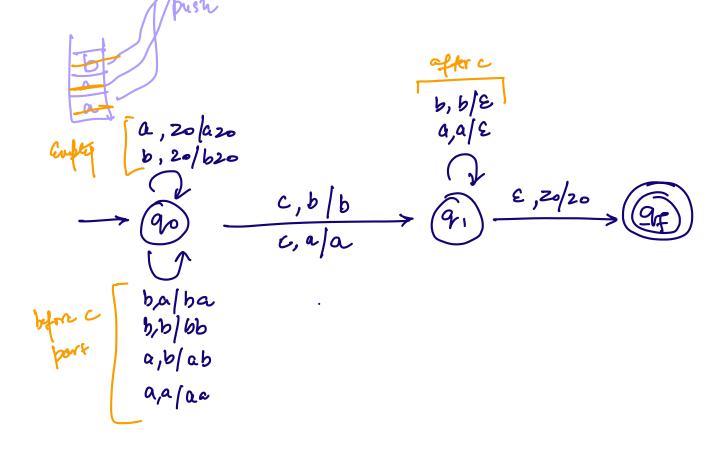






ways.

a, a/aaa a,zo/aazo b,a/s PDA Not possible $\omega \in (a,b)^{\dagger}$ St of all palindromes of sad lengter aab C baa wr pp . bba c abb



1. abb bba

2. Am deterministic 9DA

Center met accenter

buch DB

