SHAKTI une 14/10/13

Design .. PDA Fox Laia" b ni

s

Q*ue* Design

1) Logic Use it

Hese 'b' is twice of 'a'.

Here for input symbol 'b2 we push ax into the stack & state will be same.

As 'b' appears pop operation stast & we pop' b for coresponding x & state will changed.

*A*s E 8 zo combination appeas we jump onto the final stated

2) Transition function;

aaaaaabbbbbbbbbbbb

$(40, a, zo) = (90,2x) 8(90,0, x) = (90,2x) 8(90, b, x) = ( 91,6) 6 (91, b, x) = (2176) 8 (91,€, z) = (qf, €)

3) D*iagram*

O ZD 72

19) bata

4> S*timulation*

W = dabbbb 8(90, aabbbb, Zo) F ( 90, abbbb, *2220*) (90, bbbb, *muz*a)

*(*9, bbb *az*o) F (9, bb guza) (9k, xzo)

. (a1, 6, zo) + (af, E) Hence lan*guage is accepted by e*mpty stack.