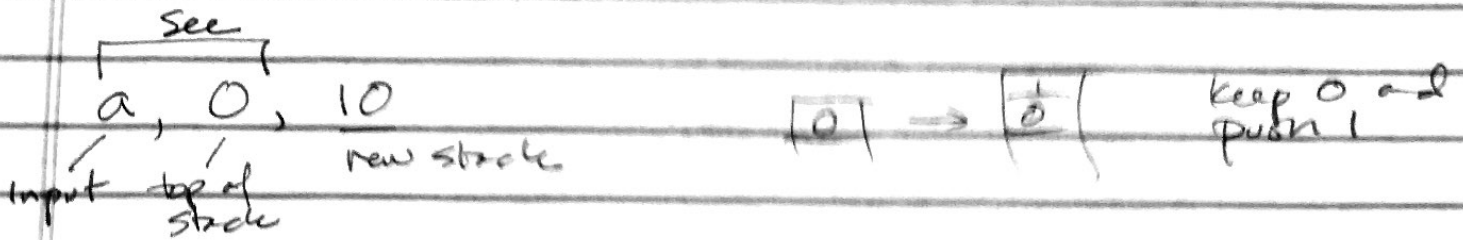


TRANSITION FN

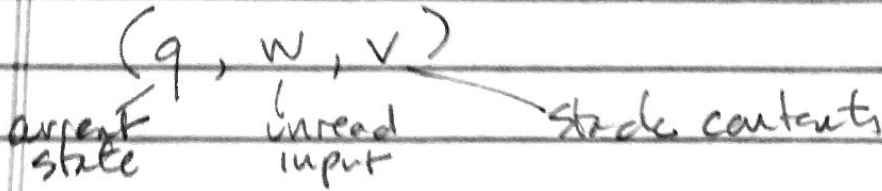
$$S(q, a, b) = \{ (q', cd) \dots \}$$

state
input
top of stack
new state
b → c  
d

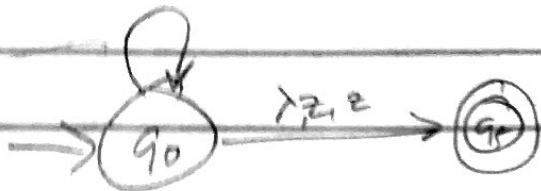
LABELS FOR EDGES



INSTANTANEOUS DESCRIPTION



$$(q_0, baab, z) \vdash (q_0, aab, 1z) \vdash (q_0, ab, z) \\ \vdash (q_0, b, 0z) \vdash (q_0, \lambda, z) \vdash (q_f, \lambda, z)$$



Push 0 for a, 1 for b

- a, 0, 00      if 0 add 0
- a, z, 0z     if empty add 0
- a, 1, >      if 1 pop
- b, 1, 11     if 1 add 1
- b, z, 1z     if empty add 1
- b, 0, >      if 0 pop