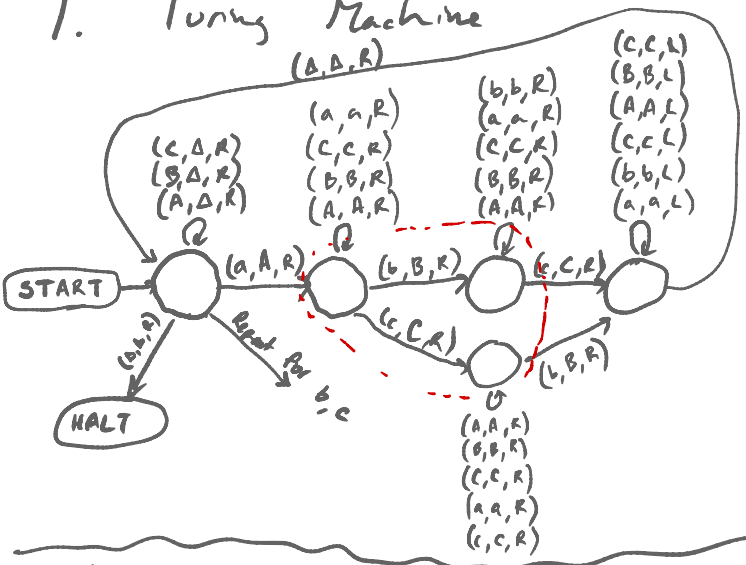
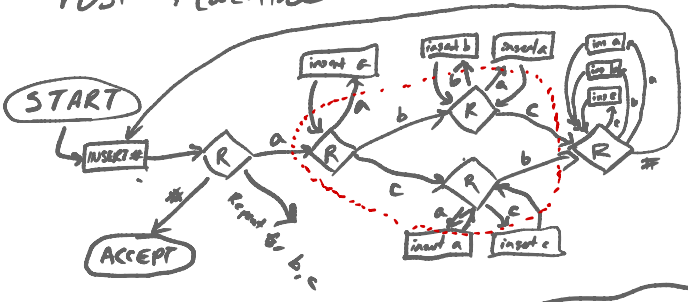
HW 11

CSCI 340

1. Turing Machine

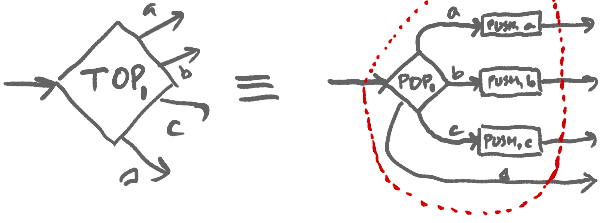


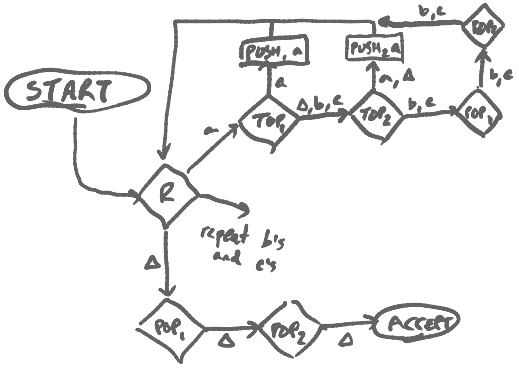
Post Machine



2PDA

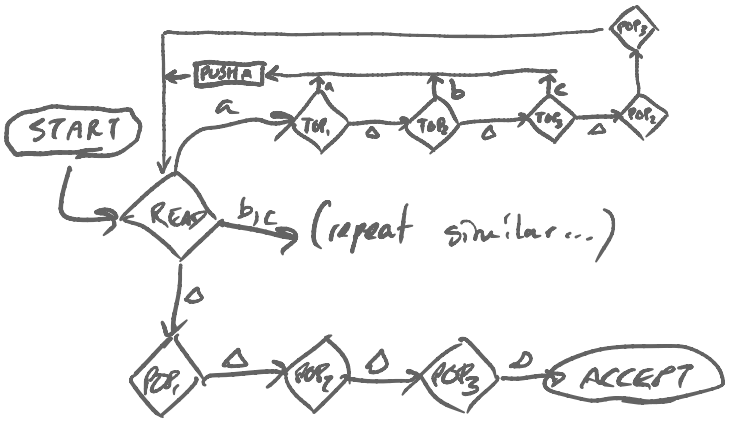
Create a new building block, TOP



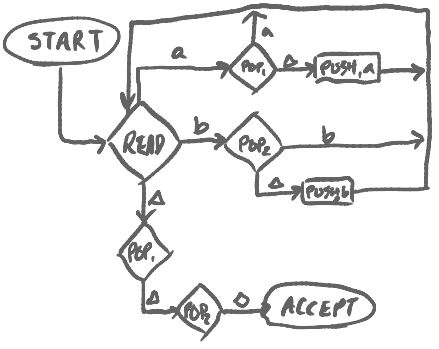


3PDA (using "TOP")

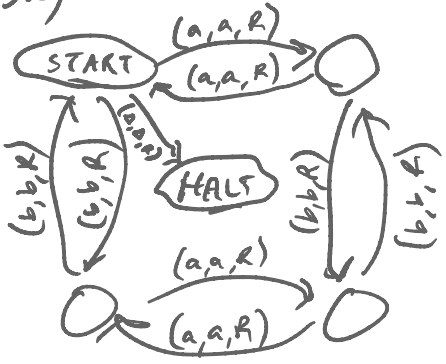
Stack 1 — a's
Stack 2 — b's
Stack 3 — c's



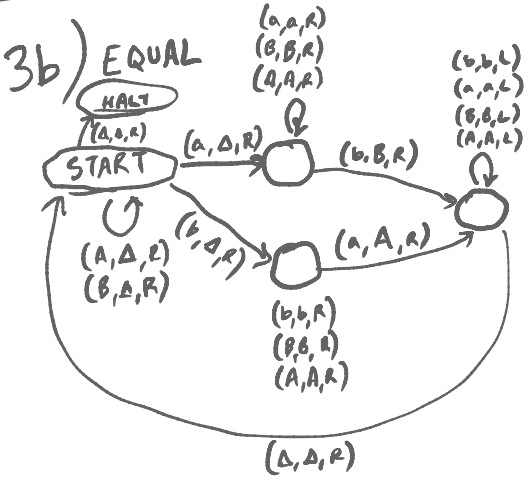
2)



3a) EVEN-EVEN



3b) EQUAL



4a) a b a a b bb ba b

1 2 # Δ R

Read # when $\Sigma = \{a, b\}$ ∴

ALAN

4b) a b aaa b aa ab b | aaa b aa b ab bb b

1 3 a b R 3 2 b # R

Starts w/ ab ∴

MATHISON

4c) a b aaa b aa ab a | aaa b aa b ab ba b

1 3 a b L 3 2 a Δ R

Always crashes ∴

ALAN