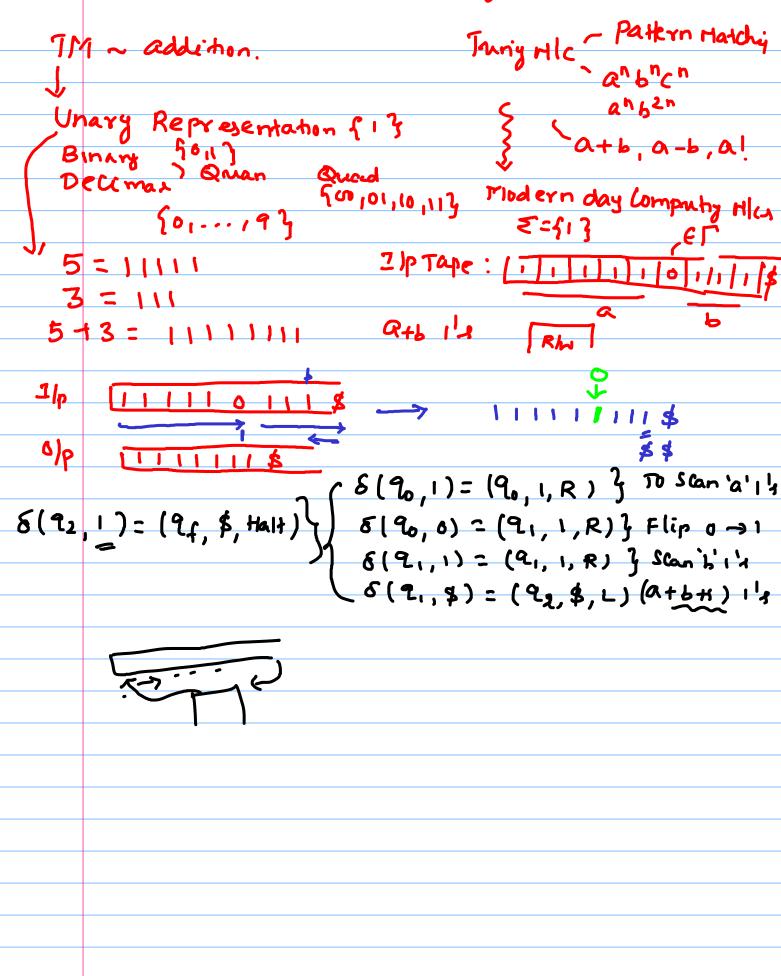
Invitation to Tury Mcs.



2:{\} a + a2 + a3 + . - + an [= {0, \$,...} 3+2+1+5+6+---+10 3+2-5+6-11101101011110 111110 ---Simplate Unay Computer 00 - Addution Finite Add" a+6 us possible 101 00 -Addn is Not 128ml Circuty Theoreheal Hky Digital bojic (Hypo) +5v /0v (1,0) Negative munter $L = \ell$ 2 5 . 3 3 = 1111 1 -5 = 00 (1111 7 5.3125 Q1 Q2 43 44 a-b [a>b] 11101101101111\$ 11111-111 711110111\$ 1/3) **a-b** 0/b:

5 (90,1) = (90,1,R) Scan E(90,0)=(9,0,R) 8(9,,1)=(92, x, L) & (92,0) = (92,0,L) 11 X X O X X \$ $\delta(q_2, 1) = (q_1, x, R) \sim$ $\delta(q_1, x) = (q_1, x, R)$ 11 \$ \$ \$ \$ \$ $\delta(q_{\bullet}, o) = (q_{\bullet}, o, k)$ Stop | Half. $8(9_3, x) = (9_3, x, R)$ $\delta(9_{3,1}) = ($ QXE To Slan a'in 8(8,1)=(4,1,R) { (90,0) = (91,0,R) $\delta(q_{1,1}) = (q_{1,x,L})$ 11110111\$ δ (9,0) = (9,0,L) Non-Det × δ (q,, 1) = (q, x, κ)@ (D) NTM + Stack 6 (90,1) = (90,1,R) | a1's 2 NTM = DTM 5 5(90,0) = (9,0,R) 6 (9, \$) = (9f, \$, Halt) 8 (9111) = (92, X, L) √ 6(9,,0) = (9,,0,R) } ~ 8 (92,0) = (92,0,L) | ~ ~ 6(91, x)= (91, x, 2) }} $\delta (9_{2,1}) = (9, x, R).//$ ~ 8 (92/X)= (92/X,L)~ 1 11 1 X 0 X 1 \$
1 11 1 X 0 X 1 \$ 92,01R 3 Q x 2 < 2,0, R) 21,0,6

1 11110111\$ 11110111\$ XOX X 1 1 242 0 222 \$ $\delta(2, \$) = (2f, \$, L)$ X E L Valid = (94, \$, L)g(3t',0) = (3t',1') g(3t',0) = (3t',1')b>a 00111011111 1930 - 1936 11101116 111011111 8 - - 4 (6-4) 14, 88 D1T x , (b-a) 14