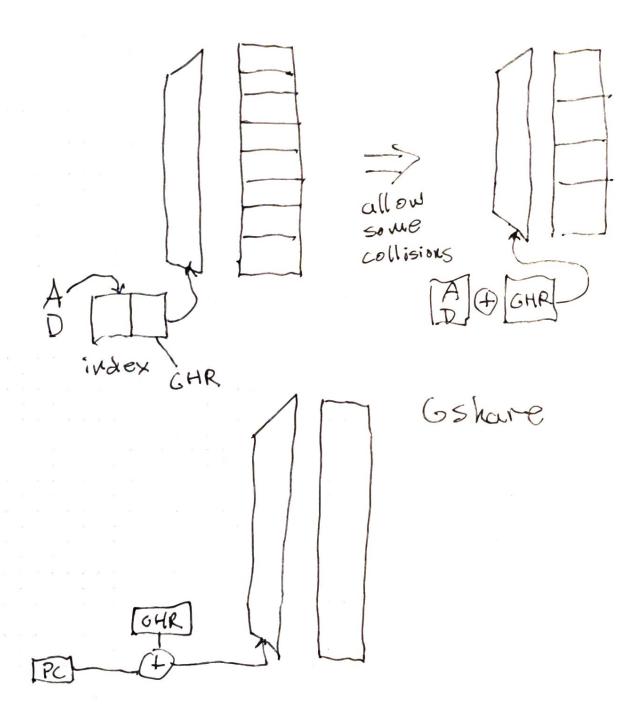
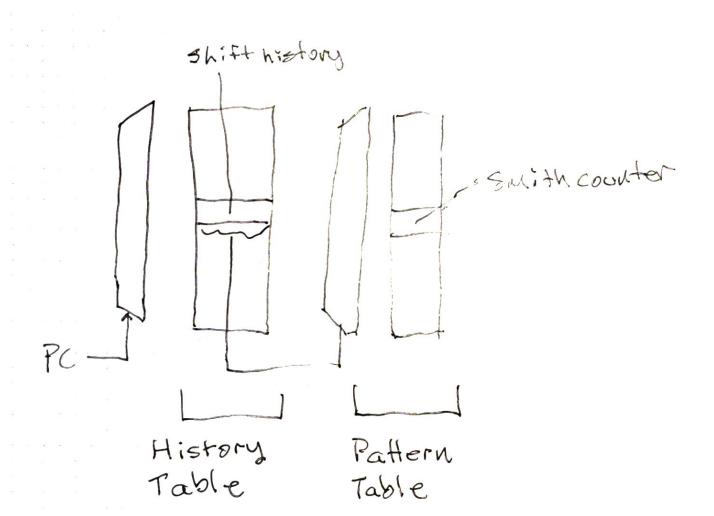
Feb 13 6 select Global hist, very

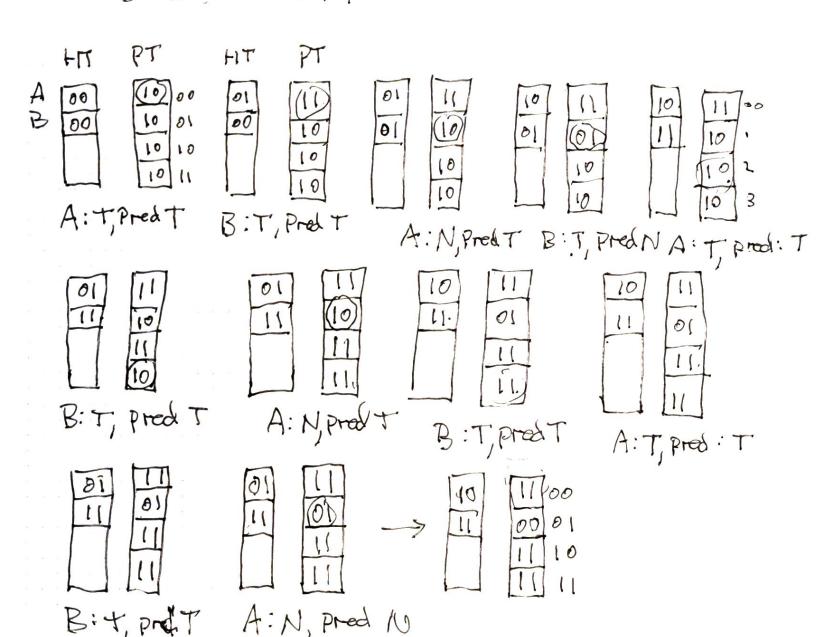
R1=0 2-entry GHR. roob: A BREAZRI, D D BREQZRI,F F: NOT RI, RI BR Loop GHR=11 GHR= 001 GHR=10 GHR = 00 01 (01) 01 01 01/10/01/01 D: T, pred N A: N, Pred N GHR-01 GHR = 11 GHR-1 01 01 00 11010160 01/10/00/01 A. T. predy D: T, Pred T A: N. Prod N



Yeh - Patt



A: TIPTNTNTNTN...
B: NTHTTTT



(PI = 1 + Stalls

predictor; s 902 accorate

1:5 is a branch 20%

pendty for misprediction = 3 cycles

(PI = 1 + 0.2 × (1-0.9) × 3

= 1.06

(PU fime = IC x CPI x CT

Branch prodiction accuracy determins pipeline depth

