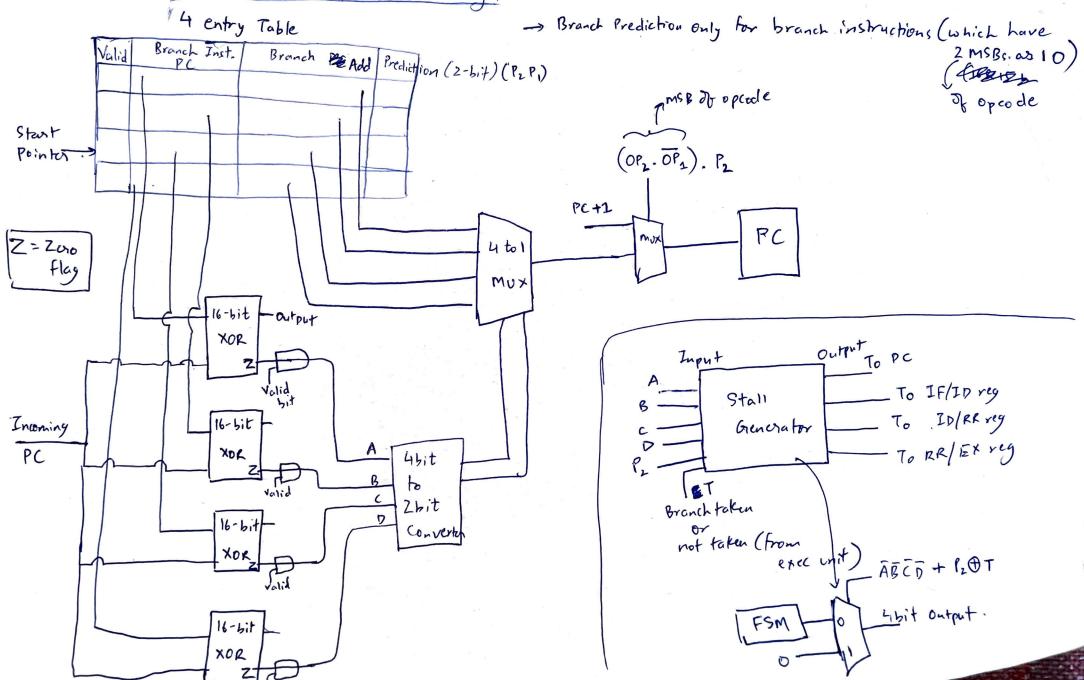
2-bit Branch Predictor design 4 entry Table -> Branch Prediction only for branch instructions (which have

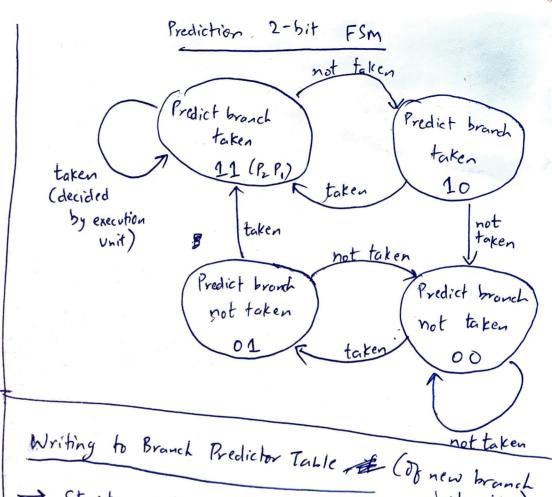


4-bit to 2-bit Converter.

A	BC	、ワ		So Ye	7
1	0 0	0		0	0
O	1 6) 0		1	1
0	O	0		1	0
0	0	0 1		0	1
All other Inputs				X	⊚ X

Stall Manager FSM

PC Stall = 1 1F/ID= 1 IDIRK =1 RR/EX= 1 1000 0000



-> Start pointer points to memory cell in table new Branch Instruction PC (an be stored.

instruction)

→ If A.B.C.D=1, hen new Branch Inst. 型 written to Table. (& also its Branch Add)

-> Also Valid bit set to 1 after writing.