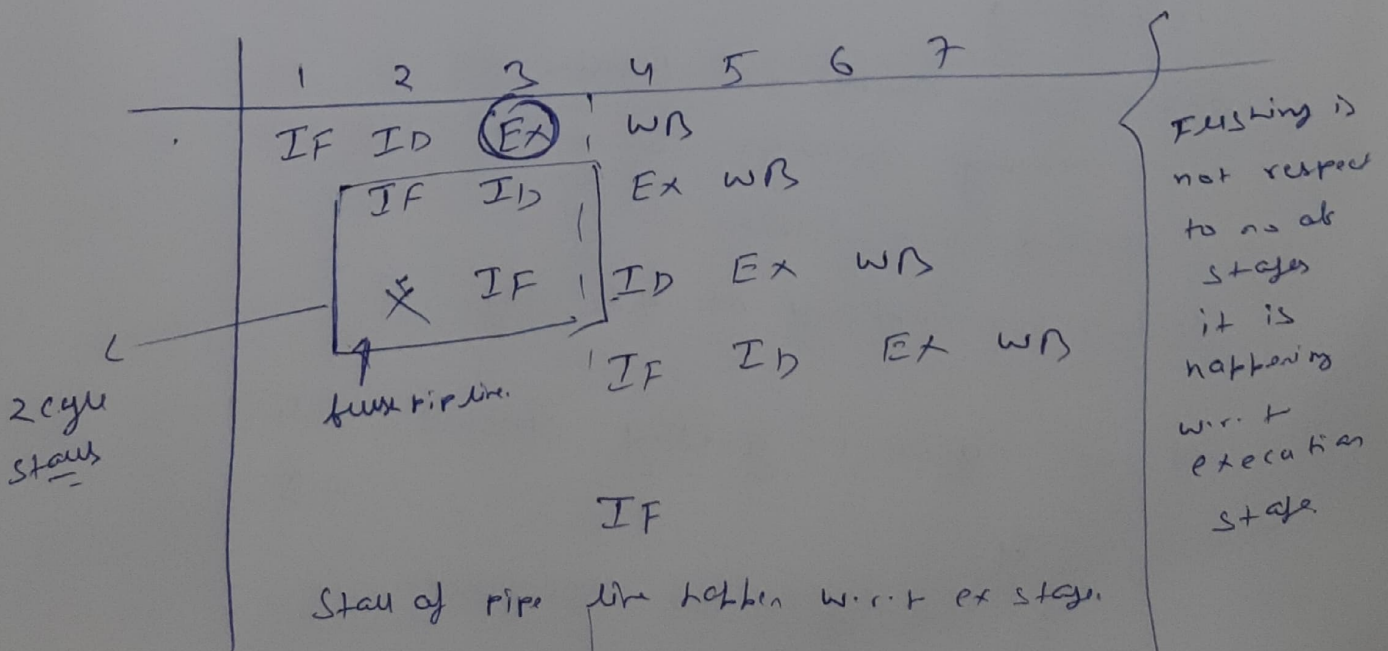
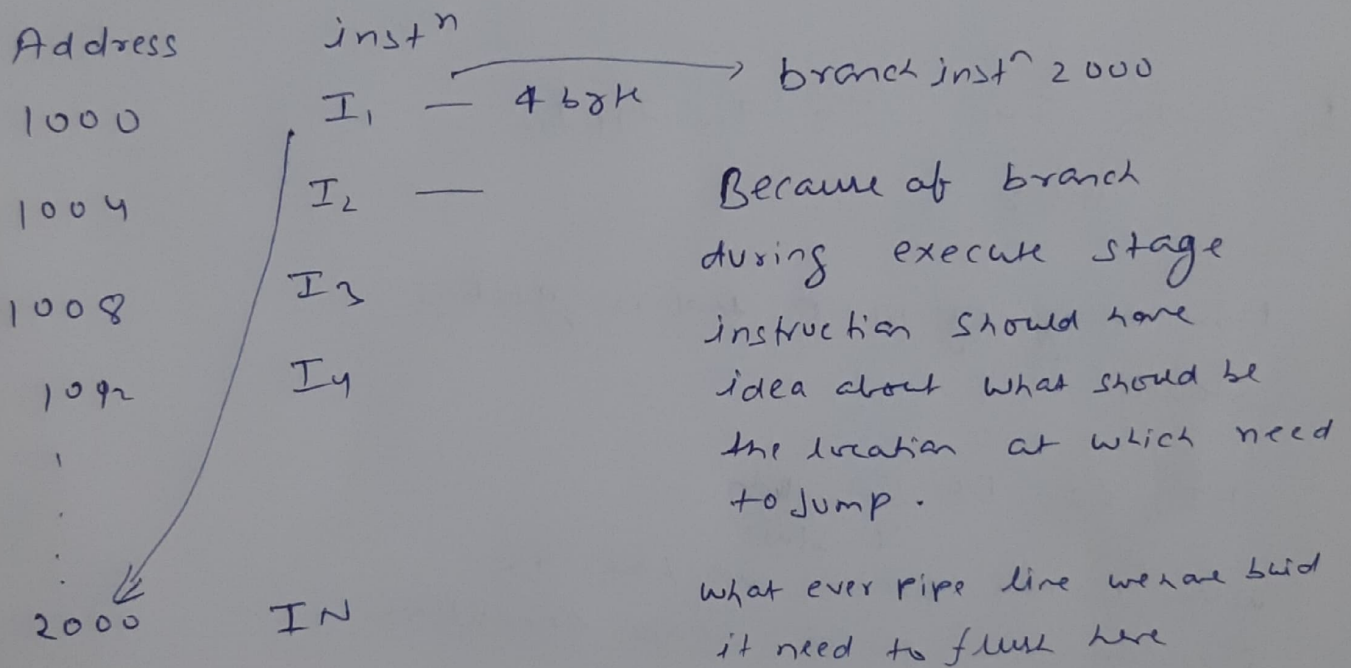


### Control hazards in pipelining

Control hazards happening in pipeline due to branch instructions.

### Practical example

lets have 4 stage Pipeline IF ID EX WB  
 ↑  
 3rd



During branch no. of stall = Ex stage - 1