1、

**在F阶段所做的修改**

# Predict next value of PC

int f\_predPC = [

# BNT: This is where you'll change the branch prediction rule

**f\_icode == IJXX && f\_ifun != UNCOND : f\_valP**

**#判断是否是条件跳转，如果是，那么就设为not taken**

f\_icode in { IJXX, ICALL } : f\_valC;

1 : f\_valP;

];

**在E阶段所作的修改**

## Generate valA in execute stage

int e\_valA = [

**E\_icode == IJXX && E\_ifun != UNCOND :E\_valC;**

**#判断是否是条件跳转，如果是，那么就将e\_valA设为E\_valC，使得能够顺利传给M\_valA**

1: E\_valA; # Pass valA through stage

];

2、

A.

Load/use hazard (E\_icode in {IMRMOVQ, IPOPQ}) && (E\_dstM in {d\_srcA, d\_srcB}) &&

**(D\_icode != IPUSHL)**

B.