HWT 12) In Hozurd-detection Unit, insert nop when branch==1. Move addradder, comparator, brunch logic to ID stage 13) Identified: ID stage. If stage Calculated ID-stage. If stage. The It stage is longer, may be affect the MEN WB add (nop) addi bne. The second iteration is exactly the same. 11) jal: no extra CPI. Since it 3 executing in It 45%. 30% = 15%. extra CPI due to always-taken. 12) jal: no extra CPL. 6/2 extra CP when 2-bit.