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CptS 260

Instruction miss = 0.02

I penalty = 100

Data miss = 0.05

D penalty = 200

P memory access = 0.3

I cache = 0.02*100 = 2

D cache = 0.05*200*0.3 = 3

Base cpi = 2

Actual CPU = 2+2+3 = 7

Ration of Improvement = 7/2

Ideal CPU is 7/2 times faster