C.SE331 HOMEWORK I

Q1) The R-type program instructions takes 100 cycles. The I-type program instructions takes 120 cycles. The J-type program instructions takes 60 cycles.

So, improving I-type instructions with 0/050 is better for general improvement because majority of the cycles is caused

by I-type instructions.

 $\frac{280-220}{280} \times 100 = 2L_1 + 3$

100+60+60=220

So, the whole program will be improved with %21,43.