

	R-type	I-type	J-type
Program Instructions	50×10^6	20×10^6	20×10^6
Required Cycles	2	4	3
Number of Cycles	100×10^6	120×10^6	60×10^6

To improve I type. Number of Cycles is the highest J type. To improve J type will be more effect program more than the others

cpu clock time 280×10^6 - CP

After Improvement I type 60×10^6

cpu clock time 220×10^6 - CP

$$\frac{280 \cdot 10^6 \cdot \text{CP}}{220 \cdot 10^6 \cdot \text{CP}} = 1.27 \times$$

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