



89	Stack pointer	load, Clear, In	croment, Decrement
I: IR	Instruction Register	-	ish Pop
صابحي	load, clear, Incremen	Н.	

7) Total = 100 x 50 = 5000 number of Instructions
$$f = 1 \text{ BHz}$$

exe time =
$$1 \times \frac{1}{7} = 5000 \times 1.25 \times \frac{1}{10^9} = 6.25 \times 10^{-6}$$

MIPS = $\frac{1}{10^7} \times 10^{-6} = \frac{1}{1.25} \times 10^9 \times 10^6 = \frac{10^3 \times 10^7}{125} = \frac{300}{125}$

MIPS =
$$\frac{1}{cPI}$$
 x r_{x10}^{-6} = $\frac{10}{14}$ x 60 x 10^{-6} = $\frac{600}{14}$ = 42.8571429