

4.48

Fetch: $\text{icode} : \text{ifun} \leftarrow M_1[\text{PC}]$
 $\text{valP} \leftarrow \text{PC} + 1$

Decode: $\text{valA} \leftarrow R[\text{\%ebp}]$
 $\text{valB} \leftarrow R[\text{\%esp}]$

Execute: $\text{valE} \leftarrow \text{valA} + 4$

Memory: $\text{valM} \leftarrow M_4[\text{valA}]$

Write Back: $R[\text{\%esp}] \leftarrow \text{valE}$
 $R[\text{\%ebp}] \leftarrow \text{valM}$

PC Update: $\text{PC} \leftarrow \text{valP}$