

iaddq

Fetch

icode:ifun  $\leftarrow M_1[PC]$

RA:rB  $\leftarrow M_1[PC+1]$

ValC  $\leftarrow M_8[PC+2]$

ValP  $\leftarrow PC + 10$

decode

ValB  $\leftarrow R[rB]$

Execute

ValE  $\leftarrow \text{ValC} + \text{ValB}$

Memory

Write  
Back

$R[rB] \leftarrow \text{ValE}$

PC  
Update

$PC \leftarrow \text{ValP}$