





Stage	OPq rA, rB	rrmovq rA, rB	irmovq V, gB
Fetch	icode:ifun $\leftarrow M_1[PC]$ rA:rB $\leftarrow M_1[PC+1]$	icode:ifun $\leftarrow M_1[PC]$ rA:rB $\leftarrow M_1[PC+1]$	icode:ifun \leftarrow M ₁ [PC] rA:rB \leftarrow M ₁ [PC + 1]
	$valP \ \leftarrow \ PC + 2$	$valP \; \leftarrow \; PC + 2$	$valC \leftarrow M_8[PC + 2]$ $valP \leftarrow .PC + 10$
Decode	valA ← R[rA] valB ← R[rB]	valA ← R[rA]	
Execute	valE ← valB OP valA Set CC	valE ← 0+valA	$valE \leftarrow 0 + valC$
Memory			
Write back	$R[rB] \leftarrow valE$	R[rB] ← valE	$R[rB] \leftarrow valE$
PC update	PC ← valP	PC - valP	PC . volD

Stage	iaddg V,rB
J	ifun < M, [PC]
Fetch	(A: (B = M,[PC+]]
	valC←M ₈ [PC+Z]
	ValP = PC + 10
Decade	Val B < R[rB]
Execute	valE = ValC + ValB
	Set CC
Nemory	
Write Backup	R[rB] = vaiE
PC update	PC = ValP