	部件	计算	指令1		指令2		指令3		指令4		指令5		指令6	
	部件	计算	**halt**		**nop**		**cmovxx rA,rB**		**rrmovq rA,rB**		**irmovq V,rB**		**rmmovq rA, D(rB)**	
取指	PC 指令MEM PC增加器 STAT	icode:ifun rA rB valC valP imem_error instr_valid	icode:if	M1[PC]	icode:i	M1[PC]	icode:ifun	M1[PC]	icode:ifu	M1[PC]	icode:ifu	M1[PC]	icode:ifun	M1[PC]
									rA:rB	M1[PC+1]	rA:rB	M1[PC+1]	rA:rB	M1[PC+1]	rA:rB	M1[PC+1]
													valC	M8[PC+2]	valC	M8[PC+2]
			valP	PC	valP	PC+1	valP	PC+2	valP	PC+2	valP	PC+10	valP	PC+10
译码	RF寄存器文件	srcA srcB dstE dstM valA valB					valA	R[rA]	valA	R[rA]			valA	R[rA]
							valB	*0*	*valB*	*0*	*valB*	*0*	valB	R[rB]
执行	ALU CC	valE Cnd					valE	valB+valA	valE	valB+valA	valE	valB+valC	valE	valB+valC
							If !Cond (CC,ifun) rB	0xF(阻止寄存器更新)						
访存	数据MEM STAT	valM dmem_error									M8[valE]	valA		
写回	RF寄存器文件						R[rB]	valE	R[rB]	valE	R[rB]	valE		
更新PC	PC		PC	valP	PC	valP	PC	valP	PC	valP	PC	valP	PC	valP

指令7		指令8		指令9		指令10		指令11		指令12		指令13	
mrmovq D(rB), rA		OPq rA, rB		jXX Dest		call Dest		ret		pushq rA		popq rA	
icode:ifun	M1[PC]	icode:ifun	M1[PC]	icode:ifun	M1[PC]	icode:ifun	M1[PC]	icode:ifun	M1[PC]	icode:ifun	M1[PC]	icode:ifun	M1[PC]
rA:rB	M1[PC+1]	rA:rB	M1[PC+1]							rA:rB	M1[PC+1]	rA:rB	M1[PC+1]
valC	M8[PC+2]			valC	M8[PC+1]	valC	M8[PC+1]						
valP	PC+10	valP	PC+2	valP	PC+9	valP	PC+9	valP	PC+1	valP	PC+2	valP	PC+2
		valA	R[rA]					valA	R[%rsp]	valA	R[rA]	valA	R[%rsp]
valB	R[rB]	valB	R[rB]			valB	R[%rsp]	valB	R[%rsp]	valB	R[%rsp]	valB	R[%rsp]
valE	valB+valC	valE	**valB** OP **valA** **Set CC**	Cnd	Cond(CC, ifun)	valE	valB+(-8)	valE	valB+8	valE	valB+(-8)	valE	valB + 8
valM	M8[valE]					M8[valE]	valP	valM	M8[valA]	M8[valE]	valA	valM	M8[valA]
R[rA]	valM	R[rB]	valE			R[%rsp]	valE	R[%rsp]	valE	R[%rsp]	valE	R[%rsp]	valE
												R[rA]	valM
PC	valP	PC	valP	PC	Cnd?valC:valP	PC	valC	PC	valM	PC	valP	PC	valP