Syntaxe	Action	nzp	Codage													
			Op-code				Arguments									
			15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
NOT DR,SR	DR ← not SR	*	1	0	0	1	DR			SR			1	1	1	1	1	1
ADD DR,SR1,SR2	DR ← SR1 + SR2	*	0	0	0	1	DR			SR1			0	0	0	SR2		
ADD DR,SR1,Imm5	DR ← SR1 + SEXT(Imm5)	*	0	0	0	1	DR			SR1			1	Imm5				
AND DR,SR1,SR2	DR ← SR1 and SR2	*	0	1	0	1	DR			SR1			0	0	0	SR2		
AND DR,SR1,Imm5	DR ← SR1 and SEXT(Imm5)	*	0	1	0	1	DR			SR1			1	Imm5				
LEA DR,label	DR ← PC + SEXT(PCoffset9)	*	1	1	1	0	DR			PCoffset9								
LD DR,label	DR ← mem[PC + SEXT(PCoffset9)]	*	0	0	1	0	DR			PCoffset9								
ST SR,label	mem[PC + SEXT(PCoffset9)] ← SR		0	0	1	1	SR			PCoffset9								
LDR DR,BaseR,Offset6	DR ← mem[BaseR + SEXT(Offset6)]	*	0	1	1	0	DR			BaseR			Offset6					
STR SR,BaseR,Offset6	mem[BaseR + SEXT(Offset6)] ← SR		0	1	1	1	SR			BaseR			Offset6					
LDI DR,label	DR ← mem[mem[PC + SEXT(PCoffset9)]]	*	1	0	1	0	DR			PCoffset9								
STI SR,label	mem[mem[PC + SEXT(PCoffset9)]] ← SR		1	0	1	1	SR			PCoffset9								
BR[n][z][p] label	Si (cond) PC ← PC + SEXT(PCoffset9)		0	0	0	0	n		z	p	PCoffset9							
NOP	No Operation		0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
JMP BaseR	PC ← BaseR		1	1	0	0	0	0	0	BaseR			0	0	0	0	0	0
RET (≡ JMP R7)	PC ← R7		1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0
JSR label	R7 ← PC; PC ← PC + SEXT(PCoffset11)		0	1	0	0	1	PCoffset11										
JSRR BaseR	R7 ← PC; PC ← BaseR		0	1	0	0	0	0	0	BaseR			0	0	0	0	0	0
RTI	cf. interruptions		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAP Trapvect8	R7 ← PC; PC ← mem[Trapvect8]		1	1	1	1	0	0	0	0	Trapvect8							
Réservé			1	1	0	1												