# **Instruction Format**

#### Instructions OP-CODE

	_	_	_	•	O)A/A D
0	0	0	0	0	SWAP
0	0	0	0	1	ADD
0	0	0	1	0	IADD
0	0	0	1	1	SUB
0	0	1	0	0	AND
0	0	1	0	1	OR
0	0	1	1	0	SHL
0	0	1	1	1	SHR
0	1	0	0	0	NOP
0	1	0	0	1	NOT
0	1	0	1	0	INC
0	1	0	1	1	DEC
0	1	1	0	0	OUT
0	1	1	0	1	IN
1	0	0	0	0	JZ
1	0	0	0	1	JMP
1	0	0	1	0	CALL
1	0	1	0	0	RET
1	0	1	0	1	RTI
1	0	1	1	0	RESET
1	0	1	1	1	INTERRUPT
1	1	0	0	0	PUSH
1	1	0	0	1	POP

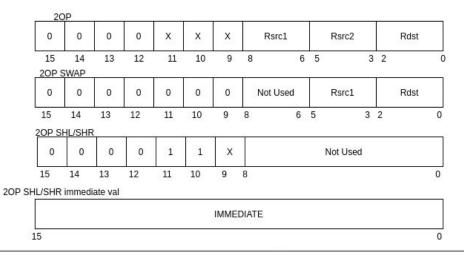
# **Instruction Format**

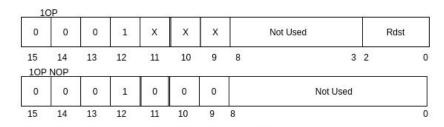
1	1	1	0	0	LDM
1	1	1	0	1	LDD
1	1	1	1	0	STD

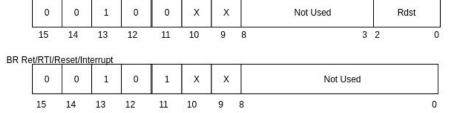
#### Regesters codes

0	0	0	R0
0	0	1	R1
0	1	0	R2
0	1	1	R3
1	0	0	R4
1	0	1	R5
1	1	0	R6
1	1	1	R7

### **Instruction Format**







BR JZ/JMP/CALL

