① Data Transfer Instructions

Name	Mnemonics
LOAD	LD
STORE	ST
MOVE	MOV
Exchange	XCH
Input	IN
Output	OUT
Push	PUSH
POP	POP

LD   AX , BX

Mnemonic , Opcode
↓
Registeres oR
Variables oR
Direct data

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② Data Manipulation Instructions

→ Arithmatic Instructions
→ Logical & Bit Manipulation Instruction
→ Shift Instructions

⇒ 1 Arithmatic Instructions

Name	Mnemonics
Increment	INC

Increment	INC
Decrement	DEC
ADD	ADD
Subtract	SUB
Multiply	MUL
Divide	DIV
⋮	

② Logical & Bit Manipulation Instruction

Name	Mnemonics
Clear	CLR
Complement	COM
And	AND
OR	OR
Exclusive OR	XOR
Clear Carry	CLRC
⋮	

③ Shift Instruction

Name	Mnemonics
	SHR

Logical shift Right	SHR
Logical shift Left	SHL
Arithmetic shift Right	SHRA
Arithmetic shift Left	SHRL
Rotate right	ROR
Rotate Left	ROL

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8/ Program Control Instructions

Name	Mnemonics
Branch	BR
Jump	JMP
Skip	SKP
Call	CALL
Return	RET
Test	TST

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