JRA Jump Relative Always JRA

Syntax JRA dst e.g. JRA loop

Operation PC = PC+lgth

PC <= PC + dst, if Condition is True

Description Unconditional relative jump. PC is updated by the signed addition of PC and dst. Control then passes to the statement addressed by the program counter. Else, the program continues normally.

Instruction overview

mnem	dst	Affected condition flags						
		V	I1	H	I0	N	Z	C
JRA	Mem	-	-	-	-	-	-	-

Detailed description

dst	Asm	cy	lgth	Op-code(s)					ST7
shortoff	JRA $2B	2	2		20	XX			✗

See also: JP

JRxx — Conditional Jump Relative Instruction — JRxx

Syntax JRxx dst e.g. JRxx loop

Operation PC = PC+lgth

PC <= PC + dst, if Condition is True

Description Conditional relative jump. PC is updated by the signed addition of PC and dst, if the condition is true. Control, then passes to the statement addressed by the program counter. Else, the program continues normally.

Instruction overview

mnem	dst	Affected condition flags						
		V	I1	H	I0	N	Z	C
JRxx	Mem	-	-	-	-	-	-	-

Instruction List

mnem	meaning	sym	Condition	Op-code (OC)	
JRC	Carry		C = 1		25
JREQ	Equal	=	Z = 1		27
JRF	False		False		21
JRH	Half-Carry		H = 1	90	29
JRIH	Interrupt Line is High			90	2F
JRIL	Interrupt Line is Low			90	2E
JRM	Interrupt Mask		I = 1	90	2D
JRMI	Minus	< 0	N = 1		2B
JRNC	Not Carry		C = 0		24
JRNE	Not Equal	<> 0	Z = 0		26
JRNH	Not Half-Carry		H = 0	90	28
JRNM	Not Interrupt Mask		I = 0	90	2C
JRNV	Not Overflow		V = 0		28
JRPL	Plus	>= 0	N = 0		2A
JRSGE	Signed Greater or Equal	>=	(N XOR V) = 0		2E
JRSGT	Signed Greater Than	>	(Z OR (N XOR V)) = 0		2C
JRSLE	Signed Lower or Equal	<=	(Z OR (N XOR V)) = 1		2D
JRSLT	Signed Lower Than	<	(N XOR V) = 1		2F
JRT	True		True		20
JRUGE	Unsigned Greater or Equal		C = 0		24
JRUGT	Unsigned Greater Than	>	C = 0 and Z = 0		22
JRULE	Unsigned Lower or Equal	<=	C = 1 or Z = 1		23
JRC	Carry		C = 1		25
JRULT	Unsigned Lower Than		C = 1		25
JRV	Overflow		V = 1		29

Detailed description

dst	Asm	cy	lgth	Op-code(s)					ST7
shortoff	JRxx $15	1/2	2		Op-code	XX			✗
shortoff	JRxx $15	1/2	3	90	Op-code	XX			✗