Control microprogramado

Algoritmo de suma/resta en signo-magnitud (SRSM m)

Tabla de la CROM

Dirección	μOperaciones Bits LCB		μDir. salto							
Ciclo de búsqueda										
ADDR(FETCH)	$PC \rightarrow MAR$	0 0 0								
ADDR(FETCH)+1	$M \rightarrow GPR; PC+1 \rightarrow PC$	0 0 0								
ADDR(FETCH)+2	$GPR(OP) \rightarrow OPR$	111								
Ciclo de ejecución de SRSM m										
ADDR(SRSM)	$GPR(AD) \rightarrow MAR$	0 0 0								
ADDR(SRSM)+1	$M \rightarrow GPR$	0 0 0								
ADDR(SRSM)+2		010	ADDR(SRSM)+5							
ADDR(SRSM)+3	EA ← A + B	0 0 0								
ADDR(SRSM)+4	AVF ← E	0 0 1	ADDR(FETCH)							
ADDR(SRSM)+5	$EA \leftarrow A + \overline{B} + 1; AVF \leftarrow 0$	0 0 0								
ADDR(SRSM)+6		0 1 1	ADDR(SRSM)+9							
ADDR(SRSM)+7	$A \leftarrow \overline{A}$	0 0 0								
ADDR(SRSM)+8	$A \leftarrow A+1; AS \leftarrow \overline{AS}$	0 0 1	ADDR(FETCH)							
ADDR(SRSM)+9		100	ADDR(FETCH)							
ADDR(SRSM)+10	AS ← 0	0 0 1	ADDR(FETCH)							

Tabla de la LCB

S2	S1	S0	OP	RS	E	ZA	I	В	R
0	0	0	X	X	X	X	1	0	0
0	0	1	X	X	X	X	0	1	0
1	1	1	X	X	X	X	0	0	1
0	1	0	0	0	X	X	1	0	0
0	1	0	0	1	X	X	0	1	0
0	1	0	1	0	X	X	0	1	0
0	1	0	1	1	X	X	1	0	0
0	1	1	X	X	0	X	1	0	0
0	1	1	X	X	1	X	0	1	0
1	0	0	X	X	X	0	0	1	0
1	0	0	X	X	X	1	1	0	0

 $RS \leftarrow AS \oplus BS$ $OP (0 \rightarrow Suma; 1 \rightarrow Resta)$

