Туре		Assembly	0.0		Mac						Operation Summary	Detailed Description
	monic	Example	OP	R (l	Jbb	er)	OP	Α (LOW	er)	•PC+1→PCTEMP	·
Clear Both	CLB	clb	1	1	1	1	0	0	0	0	●0→ACC ●0→CY ●PCTEMP→PC	Clears both the ACC (accumulator) and CY (carry) to zero.
Clear Carry	CLC	clc	1	1	1	1	0	0	0	1	●PC+1→PCTEMP ●0→CY ●PCTEMP→PC ●PC+1→PCTEMP	Clears CY to zero.
Complement Carry	СМС	cmc	1	1	1	1	0	0	1	1	● CY→CY ● PCTEMP→PC	Inverts the value of CY.
Set Carry	STC	stc	1	1	1	1	1	0	1	0	●PC+1→PCTEMP ●1→CY ●PCTEMP→PC	Sets CY to 1.
Complement Accumulator	СМА	cma	1	1	1	1	0	1	0	0	●PC+1→PCTEMP ●ACC→ACC ●PCTEMP→PC	Inverts ACC. CY remains unchanged.
Increment Accumulator	IAC	iac	1	1	1	1	0	0	1	0	●PC+1→PCTEMP ●ACC+1→ACC,CY ●PCTEMP→PC	Increments ACC. If there is no overflow, CY becomes 0; if an overflow occurs, CY becomes 1.
												Decrements ACC. If there is no borrow, CY becomes 1; if a borrow occurs, CY becomes 0.
Decrement Accumulator	DAC	dac	1	1	1	1	1	0	0	0	●PC+1→PCTEMP ●ACC-1→ACC,CY ●PCTEMP→PC	a3 a2 a1 a0 +) 1 1 1 1
											• DC 1 DCEEMD	Performs a left rotate of ACC including CY.
Rotate Left	RAL	ral	1	1	1	1	0	1	0	1	•PC+1→PCTEMP •{ACC[3:0],CY} →{CY, ACC[3:0]} •PCTEMP→PC	CY ACC
											- DG 1 DOTTIVE	Performs a right rotate of ACC including CY.
Rotate Right	RAR	rar	1	1	1	1	0	1	1	0	<pre>PC+1→PCTEMP {CY,ACC[3:0]} →{ACC[3:0],CY} PCTEMP→PC</pre>	ACC CY
Transmit Carry and Clear	тсс	tcc	1	1	1	1	0	1	1	1	 PC+1→PCTEMP 0→ACC CY→ACC[0] 0→CY PCTEMP→PC 	Clears ACC, then transfers the CY value to ACC's least significant bit (LSB), and finally clears CY to 0.
Decimal Adjust Accumulator	DAA	daa	1	1	1	1	1	0	1	1	●PC+1→PCTEMP ●If (CY (ACC>9)), ACC+6→ACC ●If Carry, 1→CY	Decimal adjust instruction: If CY is 1 or ACC is greater than 9, add 6 to ACC. If this addition generates a carry, set CY to 1; if there's no carry, CY remains unchanged.
Transfer Carry Subtract	TCS	tcs	1	1	1	1	1	0	0	1	●PCTEMP→PC ●PC+1→PC ●If (CY==0),9→ACC ●If (CY==1),10→ACC •0→CY	If CY = 0, store 9 into ACC; if CY = 1, store 10 into ACC. Then clear CY to 0.
											Keyboard scan code conversion instruction: If the value in ACC has exactly one bit set to 1, it is converted to a numerical value. If multiple bits are set to 1, the result is set to 15 (indicating an error). CY remains unchanged.	
Keyboard Process	КВР	kbp	1	1	1	1	1	1	0	0	●PC+1→PCTEMP ●KBP(ACC)→ACC ●PCTEMP→PC	ACC (Before) ACC (After) 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 1 1 1
Designate Command Line	DCL	dcl	1	1	1	1	1	1	0	1	●PC+1→PCTEMP ●ACC[2:0]→DCL ●PCTEMP→PC	Transfers the lower 3 bits of ACC to the DCL register inside the CPU, thereby specifying how CM-RAMx (RAM bank selection) signals are output from that point forward.