Add operation Using 8051 Microprocessor

Aress	Memories	Hex Cucle	Communits
0000	MOV A) HOLH		store a No in accumulator.
0003	MOV B, #03H		store or his in one Brightsic
0006	ADD A) B		I a register data with B
0008	MOV Ré,A		Add A register data with B register Data. Move Re register data to
pood	END		accumulator. Stop execution

Result: we add two no rusing \$051 miero controller too no

5 and 3. At first store them to accumulater

then and B register them add them and more

then register value to accumulator.

Loubstraction operation Using 8051 Moontroller.>

	25465 NO		
Adress	Memories	Hex lode	commune
0000	MOV Λ) # 051+		store a no.in accumulator
0003	MOV 13, # 03H		store another no in register
0006	SUBB AI B		substruction operation done
0808	MOV, RS, A		in A and B the result oft in
0009	CNN		R5 register more to accumulator
	END		Stop execution

At first we take two number in accumulator and register B. and the number in accumulator is greater than B. then perform substraction operation, and store it in to register. Then move the cumulator of the register to accumulator, and substraction operation is done.

Multiplication operation using 8051 microcontroller. >

)	J	0	
Adress	Memonics	11cr Code		Store a no in Accumulator
0000	MOV A, #05 A			
0003	MOV B, #03B			store a number in 12 register
0006	MUL ADB			multiply and get ans in RG
000 8	MION, RG, A			Move the content of Rc into A
P009	£ ND	,		stop execution
		,		

[X-4]

L Division operation using sost microcontroller

	_ Division	operation remij	Comments	
Adress	Mimorics	Hex Code	in Hecumula	
0000	MOV A , #06A		asher man	tt.
0003	MOVB, #03A		Ilia Diviso	
0006	porv AB		Movethe content of Rsi	NfO
0 00 8	MOV. RS, A		Stop execution)	4
1009	EHD		Stop exco	-







