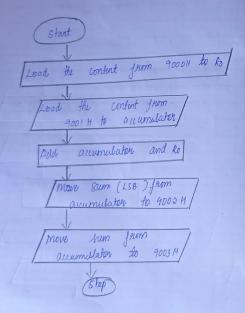
Problem specification (9000H)+(9001H) → (9002H)(9003 H) MIS LSB

Flow chart



obsurvation!

Imput data

9000H = FE

9001H = 02

output data 9002H = 00 9003H = 01

	ixt. No							
Date: (	te: (1/6/2a)							
	ARITHMETIC OPERATIONS							
	odditim of two & bit numbers							
	0							
	Aim:							
	To odd two data lyfu stores at 9000H and 9001H store							
	Herest in good and good .							
	PROGRAM	<del>-</del>						
	memory location	Hex well	Label	Instructions	Comments			
	8000	Сз		CARC	clear carry plag			
	8001	90:90:00		MOV DPTR, # 9000	Initialize DPTR with 9000H			
	8004	Eo		MOVX & DPTR	sata from memory to			
	8005	F8		mov RO, A	move data Auunulati to			
	800 b	A 3		ING DPTR	minument DPTR  pota from memory to accumulator.			
	8007	Ео		MOVX ALB DETR	pota from memory 10 accumulator.			
	8008	38		ADDC A, RD	Add accumulater content,			
					Ro and cavey.			
	8009	A3		ING DPTR	Increment DPTR move data accumulator to memory.			
	800A	·Fo		MOUX EDPTR, A	more dare decomemory.			
	800 B	74:00		MOU A1 #00	more oo to accumulator			
	800D	34:00	1	ADDC A1#00	Add carry, accumulator			
					content and oot			
	800 F	A3		INC DPTR	Incument DPTR			
	8010	Fo		MOV & DPTR, A	move data Acumulator to			
					memory			
	8011	62:80:11	HERE	LIMP HERE	end the program.			
					THE RESERVE OF THE PARTY OF THE			

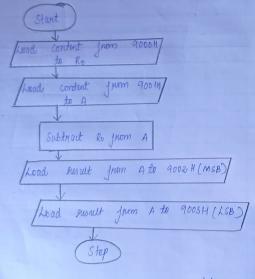
Ext. No	Page No.
Date:	Tage No.
	RESULT
	Input data: vulput data
	9001H = 02 $9003H = 01$
	Added two data bytes stored at [9000H] and [9001H] and stored result (9002H) and (9003H).
	stoned menult (apports) and Googh).
	75 101000 700000 (770001.)
	MENCE THE PROPERTY OF THE PROP
	A most discharged the later than the second of the second
	Caracter and a second s
	Cap 1 Health in Franch spent that I was a second to the
	(A) will an experience
	the state of the second st
*	

Prublim spurfication

(9001H) - (9000 H) -> (9002H) (9003H)

MSB LSB

## Flow chart



obsuration
Input data

9000H = F

9001H = D2

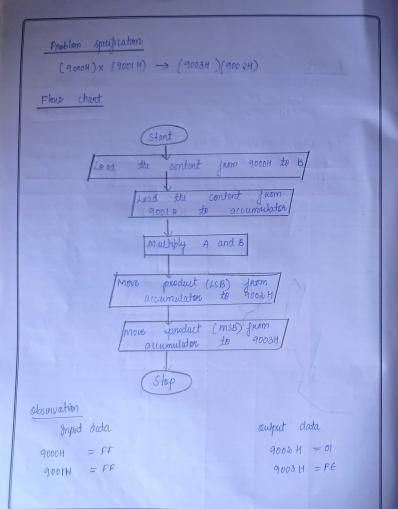
output data

9002H = 04

9003H = 01

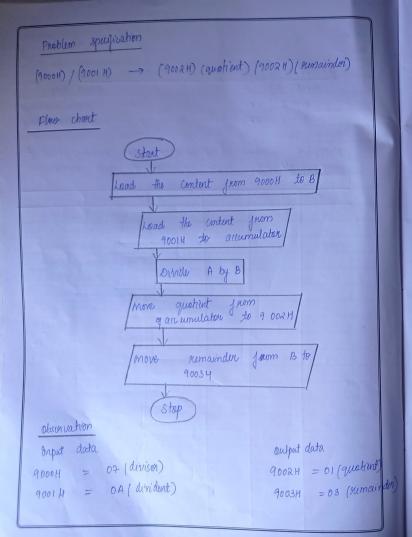
Page No. Subtraction of two 8 bit numbers Alm: To subtract two data bytes stored at 9000H store Herrilt in 9002H and 9003H PROGRAM: memory Hincode Label Instauction comments clear carry flag Initialize DPTR north 9000H CLRC C3 MOV #9000 90:90:00 Data from memory to MOVX A DATE EO 800 4 acumulator. MOV ROLA move data ocumulator to lo 8005 FR movement DPTR A3 ING DPTR 2006 MOUX & DPTR Data from memory to 8007 ED accumulator SUBBA, RO subtract value in Ro form 98 8008 value in accumulator Increment DPTR 8009 43 INC DETRI MOVX O DPTR, A Fo move data accumulater ROOA to memory. move oo to Accumulator MOV A, #OD 74:00 800B ADDU A, # 00 Add carry, accumulator 34:00 800 D confert and oot Increment DPTE move data accumulates to SONF A3 ING DPTR 8010 Fo End the program HERE 02:80:11 LIMP HERE 8011

Ext. No  Date: //	Page No.				
RESULT: CHANNEL WARREN COM IT	N. Spanish				
Input data	output data				
9000H = FE	90024=04				
9001H = 02	9003H = 01				
Subtracted number stored at 9000H stored at 9001H. Obtained result	from number at 9002 H and				
9003H ·					
	A PARK LAND TO THE REAL PROPERTY AND ADDRESS OF THE PARK AND THE PARK				
3 has by gliphing					
	Charles Translation				
en interest trops from .	RV Interest in the second				
Planty it entrangered					
The state of the s	And the second second				
As a service and the service a	A comment of the second				
	Ottobio				
	H man have				
	AND THE STREET				



Aim:	and								
	and								
	and								
	and								
To multiply two data bytes stored at 9000H and 9001H. Shore the result at 9002H and 9003H.									
1001 H . 3110100 Mu Tastut W 900 2H and 90	AUIH HOUR SHE SHE SHE AT 460 SH and 4003H.								
Prognam									
memory Heacode Label instructions comments									
8000 C3 CLR C Clean corry flag	3								
8001 90:90:00 MOKOTR, #9000 Initialize, DPTR. agi	the grouph								
8004 Eo MOXX DPTB Data from men	mony								
10 A coumula	rten								
8005 F5: F0 MOV FO, A MOVE data Au	cumulator								
8007 A3 INC DPTR Increment DP1	+n								
8008 EO MOVX, Octa, from mu A, @ Detro to A aum	rulator								
8009 98 MUL AB multiply A an									
800A A3 ING DPTR I Increment DPT									
800 B FO MOVE DPIRA MOVE data A	Accumulates								
to memory									
8000 A3 INC DPTR Incomment D	PTR								
800 D E5: FO MOV A, FO MOVE B to A 800 F FO MOV X C DETB , A MO YE CONSENT									
to minery									
8010 02:80: 10 HERE LIMP HERE and the po	rognam								

Ext. N Date:	Page No.
	RESULT:
	Input data Output data
	9000 H = FF $9002H = 01/LSB)$
	$9001H = FF \qquad \qquad 9003H = FE \text{ (MSB)}$
	Multiplied number stoned at 9000H and number stoned at
	9001H obtained susult at 900 2H and 9003H
	The state of the s
	and the state of t
	The state of the s
	Laboration of the second secon
E ST. COM.	William Users and the Control of the
allowy	The state of the s



Ext. No									
Date: Page No.									
	D. Darisión of two & bit numbers								
	Aim:								
	9001H . Store the result at 9000H and 9000H and								
	9001H · Store the result at 9002H and 9003H.								
	Memoral Hex code   Label   Instruction Comments								
	1 7		Kasw						
	8000	СЗ		CLRC	Clear carry glag				
	8001	90:90:00		DOTR , # 9000	Clear carry glag Initialize DPTR with 9000H				
	8004	ED		MOUX @ DPTR	Data from memory				
					Data from mimery to disumulator				
	8005	F5: F0		MOV FO, A	more data Accumulata				
					to B.				
	8007	A3		ING DPTR	movement DPTR				
	8008	EO		MOXX & DPTR	Data from memory to				
					Accumulator.				
	8009	84		DIV AB	Divide Aby B				
	800 A	A3		ING DATE	miniment DPTR				
	800B	FO		MOY X DPTR, P					
					to memory				
	8000	AB		INC DPTR	Increment DPTR				
	800 D	(5: FO			More B to A				
	800 F	Po			move content Accumulator				
					to moment				
	8010	02: 80:10	HERE	LJMP HERE	to memory and the pargram				
					The state of the s				
			1						

Ext. No.	/ /					manua	13542	Page No.	
	RESULT:		100					,	
	D	ivided	two	data	butes	stored	at	9000 H	and
	900011.	Stoned	quoti	ent	at a	9002H	and	gem au	nder
	at 90	03 H		Maria de la companya della companya				77	
0	191								
10	20//2							teets	300
	1/26								
				- 6	Tak	7 5		4-14	
		Jandas	- In	min.	- 17	173			
		Lance of		Q 1123					
				18					
		i Wast	Mohi	400		Michael !			
			No in	1	17 16				
						111			
		research !				44			
						-			
				1					
			0	Transaction of the					
					V.				
			*	6	11/	30			
			1 1 1	IF IN					
			14	111	EVENCE	1			
						7			
		**				100			
	1110	Thomas	Him						
				Cak	-				
				-					