21 margare 9	2		mol
program 13 while a size 3, in	brodraw to	$\frac{1}{2}$	20
size 3, in	, as een ding	જોતા છો.	1 11244

Take is

				Comments
ndaus	Label	OPCode	Operand	And the state of t
8000 h	START	LXI	H, XX 50h	as pointer for momory bytes
8003h) (1 41)	mvi	D, 00h	The register Dis used as glag register
8005 h		mov	c, 02	Initialize register c is with data count.
NF008	CHECK	mov	A, M	Get the number
80087		INX	. н	cro to the next
80094		cmp	M	compare the contents of the current memory location with
18008 80007		2C	NEX TBYT	the contents of the Accumulator if (A) & second byte, do not exchange.
	A.W	Mov	B, M	Cret the second byte for exchange
80144 800Eh		Mov	w' v	store First byte in second location

Address	Label	OPCode	O Perand	Comments
800FH		DCX	H A, A	Pointfolirst location.
80104	* 1	MOV MOV	M, B	State second byte in first location
8011h		MOY	MA B	cret ready for next compatison
8012h		MVI	0,014	Load 1 in D as or tremainder Jor exchange
80134	N EXTBY	DCR	<u> </u>	Decrement comparison
80144		JNZ	CHECK	33 comparison count not 0, go back
8017h		MON	A, D	Greet blag bit in A
8018		RRC	1, 2	Place flag bit Do in carry
8019		JC	START	Start the ment park
2013t 8016 h		HLT		Terminate the program.