

folution: (2):-

B load to 05 i means contains 05 HVI B, DS · · · · · · · · · · · c loads to 06; means contains 06 MVI C, D6 . 07; means contains 07. HVI 0, 07 D loads to A will contain now 05. 9-ter ins. MOV AD ADD C A will contain OB now after ins. ADD D After this ing, A weill contain OF. STA 8052H will store rufult of 'A' to 80524 HLT memorey location Stops the becogeram.

to 8 052 memorey location now contains OF. Ans

location.

solution: 3:-MVI A, EFH H00 00 STA HLT

This is direct accepting method.

Loution : (1):-Humber LDA HOODO es stored HOV B, A at 0000 ANI OFH memores MOV CIA location MOV AB and FOH ANI fum of RRC digits RRC will get RRC stoled at RRC 2000 ADD memosey H 2000 STA

HLT.

folution: (6) :-HEOLA INM MVI YOTH MVI D, OOH CAP: MOV CIL IMR L IMRL IHRD SUB C JHZ CAP MOV AID STA ODI3H HLT.

Itaking the number (whose sq. st. have to be calculated) to be 09 H, astiven in the example. and storing Square root en 0013 memorey location.

folution: (5)

The microfences interferents the first byte as opcode always, and second and third byte (if present) addata. In this way, it will differentiate them off.

folution (7): -

MVI AJOSH JOSE LDA ODDOH

MOV LA

MOV DA

DCR L

CAM: MOV BL

MOV EJA

DCR D

DAM: ADDE

PCR D

MAG SHT

DCR L

JHZ CAM

STA DOI3H

HLT

oboot and finally retoring factorisel value at 1013H memore, location;

tolution: 8: -

LDA 0001H

MOV BJA

LDA DODOH

ADC B

STA .0011H

MUI AJOOH

ADC A

HOJOO ATZ

HLT

Folution: (9):-

LDA ODDOH

CMA

STA ODIOH

HLT.

Folution: (b):
LDA 0000H

MOV B, A

LDA 0001H

CMP B

LDA 0001H
CMP B
TC smaller
MOV A, B
fmaller: STA 0010H

HLT.