

Q/Write ALP to add the contents of memory locations starting from 3000 to 3005H and save the result in 4000-4001H.

Solution /

LXI H, 3000

MVI C, 00

MVI B, 06

MVI A, 00

ADD M           XX

JNC YY

INR C

INR L           YY

DCR B

JNZ XX

STA 4000

MOV A, C

STA 4001

HLT