**Answer:** **(D)**   
  
**Explanation:** **Explanation:**

Ist memory reference R1←M[3000] and then in the loop which runs for 10 times, because the content of memory location 3000 is 10 given in question and loop will run 10 times as

R2← M[R3]

M[R3] ←R2

There are two memory reference every iteration

10\*2=20

**Total=20+1=21**

**So  (D) is correct option.**