

LE12.1.1 Top of stack

1/1 point (ungraded)

What single assembly language instruction changes the **topmost** (most recently added) word on the stack to 0 (zero) without changing SP.

Assembly language instruction to clear top of stack:

☐ MOVE(R31, SP)

☐ ADDC(R31, 0, SP)

☒ ST(R31, -4, SP)

☐ ST(R31, 0, SP)

☐ ST(SP, 0, SP)



Explanation

The SP always points to the next unused location on the stack, so storing a 0 at the location pointed to by SP - 4 will clear the most recently added word.

Submit

i Answers are displayed within the problem

Discussion

Hide Discussion

Topic: 12. Procedures and Stacks / LE12.1

Add a Post

Show all posts

by recent activity

There are no posts in this topic yet.



