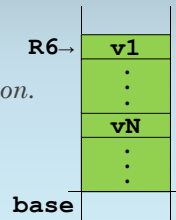


How Can the Subroutine Be Given N?

How can the caller tell the subroutine the value of N?

*Hint: this is NOT a trick question.
Give the easy answers first!*

1. Use a fixed value, such as 3.
2. Pass N in a register, say R2.



The Answers Will Be Useful in Other Contexts

This question occurs in many contexts:

- determining array length
- passing variable numbers of arguments, and
- using network connections in applications.

Be sure that you understand the options!

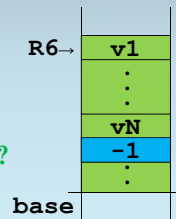
Another Solution: the ASCII String Approach

How can the caller tell the subroutine the value of N?

1. Use a fixed value, such as 3.
2. Pass N in a register, say R2.

How do ASCII strings work?

3. End the list with a non-data sentinel (such as -1).*



*Now you know why we assumed “non-negative.”

Does Putting N at the End of the Array Work?

What if we put N at the end of the array?

Does such an approach work?

