

6. If you were incorrect, lightly cross out the previous table and use this one to record the correct layout as shown in the dump.

0x00	a	x	b	b	c	c	c	c
0x08	d	d	d	d	d	d	d	d
0x10	-	-	-	-	-	-	-	-
0x18	-	-	-	-	-	-	-	-

7. Will this type take up more or less space than the first?
 This will take more space than the first due to the order of its elements.

2.4 Arrays of Structs

8. What stride do you expect this array to have? 8 bytes
 9. How will this struct's size compare to that of `pair`?
 Shorter. This struct's size is 6 bytes vs `pair`'s 8 bytes.

2.5 2-D Arrays

10. What stride do the "inner" arrays have? 1 bytes How about the "outer" ones? 3 bytes
 11. Do you think this function would be useful for an array declared as: `int8_t flipped[3][2]`?
 No, the outer stride does not match. It's 2 bytes this time.
 12. What stride does the outer array have this time? 8 bytes
 13. Do you think this function would still be useful if `first` and `second` each had 4 elements? How about if they had two different lengths?
 Yes.
 Yes as long as the caller is careful.
 14. What effect would we observe if we modified an element of `first`?
 It would change under both `multilevel[0]` and `multilevel[1]`.

2.6 Endianness (Optional)

15. What disadvantage of little-endian did you just observe?
 Little-endianness is harder to read on memory dump.
 16. How would the assembly of this function differ if x86-64 were a big-endian architecture?
`mov 4(%rdi), %eax`