

CS 3733 Pointer Take-Home Quiz

Due at Noon on Friday, September 9 in class. Must be handed in on time.

You may get help on this from any source you wish as long as you understand the answers that you submit.

In the figure below, the numbers 2000, 3000, 4000, and 5000 represent addresses in decimal.

The x1, y1, y2, y3, y4, and z represent values stored in 4 bytes of memory.

The variable **argvp** is declared by:

char *argvp;**

Find the value of each of the following or state that it cannot be found from the given information. Assume that pointers take up 4 bytes.

- 1) x _____
- 2) y1 _____
- 3) y2 _____
- 4) y3 _____
- 5) y4 _____
- 6) z _____
- 7) *argvp _____
- 8) **argvp _____
- 9) ***argvp _____
- 10) (*argvp)+1 _____
- 11) *((*argvp)+1) _____
- 12) argvp[1] _____
- 13) *(argvp[1]) _____
- 14) (*argvp)[1] _____
- 15) argvp[1][0] _____
- 16) argvp[0][1] _____

