Matthew Hellard Benjamin Macintosh Assignment 3 part a testing

Test: (2,2) into (1,1)
Expected: Get index 3, i.e., all the way to the right, recall 0 indexxing, so this is the 4th position
3
Test: (0,0,0,0,0) into (10,100,20,30,1)
Expected: Get index 0 as all points less than original coordinate point
0
Test: (2,3,2) into (3,2,3)
Expected: **2** (8 possible positions (2^d), 3rd coordinate point greater than, all others less than, first 4 (0-3) positions represent if first coordinate point less than (it is), second two of those 4 (2-3) represent second coordinate point greater than (it is), and the first of those two (2) represents third coordinate less than)
2
Test: (2,3,4) into (3,2,3)
Expected: **3** (see above explanation, 2-3 represent 2nd coordinate point greater than, 3 (the fourth position of 8) represents 3rd coordinate point greater than (2 represents less than))
3