Name:	ID:	Section:

Question 1 [15 Points]

Write a method to calculate the sum of all the sorted columns in descending order in a given 2D matrix. **[You are not allowed to use any built-in functions like sort() or sorted()]**

Sample Input:	Sample Output:	Explanation:
<table><tr><td>8</td><td>-1</td><td>1</td><td>-2</td></tr><tr><td>7</td><td>-5</td><td>2</td><td>0</td></tr><tr><td>2</td><td>-10</td><td>3</td><td>2</td></tr><tr><td>0</td><td>-11</td><td>4</td><td>3</td></tr><tr><td>-20</td><td>-12</td><td>5</td><td>6</td></tr></table>	Sum = -42	Sum = (8+7+2+0+(-20)) + (-1-5-10-11-12) = (-3 - 39) = -42 Here, the sorted columns in descending order are the 0 and 1 numbered columns. Therefore, the sum of the elements of these two columns is printed as the output.