**Silhouettes**

Terry is placing blocks to create a skyline for an art project. Given the locations and heights of all the blocks, return the silhouette formed by these blocks collectively.

The silhouette should be represented as “key points”. Each key point is the left endpoint of some horizontal segment in the silhouette except for the last point. For the last point, it will be the right endpoint of the rightmost block. Any ground between the leftmost and rightmost blocks should be part of the silhouette’s contour.

**Input:** The first line of input contains **B**, the number of blocks. The next **B** lines contains three integers, The left x coordinate of the block, the right x coordinate of the block, and the height of the block.

**Output:** You will output the “key points” sorted by their x-coordinate.

**Example Input:**

5

2 9 10

3 7 15

5 12 12

15 20 10

19 24 8

**Example Output:**

2 10

3 15

7 12

12 0

15 10

20 8

24 0

**Explanation:** After plotting all the blocks on a graph, this is how it will look like:

Chart

Description automatically generated

Figure A shows them laid out; figure B shows the silhouette that is formed. The red points in figure B represent the “key points” in the output list. Each red point is the leftmost point of each horizontal line on graph B. As for the rightmost red point, it is the ending coordinate of the rightmost block.