

# Hiking statistics

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Calculate the total distance hiked, the maximum elevation above sea level, the total ascent, and the total descent from a list of hiking segments.

Each line represents a segment of the hike, formatted as "distance elevation\_above\_sea\_level", where distance is in kilometers from the previous segment endpoint and elevation\_above\_sea\_level is in meters.

The first line represents the starting point of the hike, where the distance is always 0, but the elevation can vary.

Your task is to return the total distance hiked, the maximum elevation above sea level, total ascent and total descent. The output should be a single string formatted as follows: "total\_distance max\_elevation\_above\_sea\_level total\_ascent total\_descent", where:

- total\_distance is the total distance hiked in kilometers.
- max\_elevation\_above\_sea\_level is the maximum elevation in meters.
- total\_ascent is the total ascent in meters.
- total\_descent is the total descent in meters.

## Example

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Input:

```
0 122
1 126
4 290
1 273
5 368
2 253
```

Output:

```
13 368 263 132
```