



SOLAR CITY - TERRAFORMING: ACTIVATED  
8TH NOVEMBER : INTERNATIONAL SCHOOL CODING CONTEST

December 2038  
location: Earth

We're on the verge of what will soon be the most massive undertaking humankind has ever gone through - an almost complete switch to renewable energy within just a few years.

With the new solar panel technology, we can now harness the Sun's power more efficiently than ever and in order to save our planet from an impending doom, we must act. Quickly!

However, preparations have to be made until then...

A pair of hands is shown from the bottom, gently cradling a glowing, semi-transparent globe of the Earth. The globe is illuminated from the right, showing the continents and oceans in a warm, reddish-orange glow. The background is a dark, deep blue space filled with numerous small, bright white stars and a soft, hazy light source on the right side, creating a sense of depth and cosmic scale.

Find the cheapest and most efficient way to level the ground  
in order to facilitate the future placement of the solar  
panel arrays!

CATALYSTS  
CODING  
CONTEST

A pair of hands is shown from the bottom, gently cradling a glowing, semi-transparent globe of the Earth. The globe is illuminated from the right, creating a bright rim light and casting the rest into deep shadow. The background is a dark, deep blue space filled with numerous small, distant stars and a soft, ethereal glow. The overall mood is one of care, protection, and global unity.

Level 1

You are given a list of **integers** representing the side view of the world. Each number corresponds to the altitude at that position.

Your first task will be to find the **minimum** and **maximum** altitude from the given world.





Input

$N$   
 $a_0 a_1 a_2 \dots a_{N-1}$

$N$  - length of the world

$a_i$  - altitude of world at position  $i$

$N \leq 10^5$

$a_i \leq 10^4$


Output

min max

min - **minimum** altitude of the world

max - **maximum** altitude of the world

In the archive you can download from CatCoder you will find an example input and output that you can use to quickly validate your code. This will be true for all levels to come.

Progress	Your current results	Downloads
Level 1	not yet finished	<a href="#">Level description</a> The description for this level 
		<b>Solution Submit</b> <span>Process the input and submit your solutions</span>
		<input type="text" value="lv0-1.inp"/> ?
		<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>