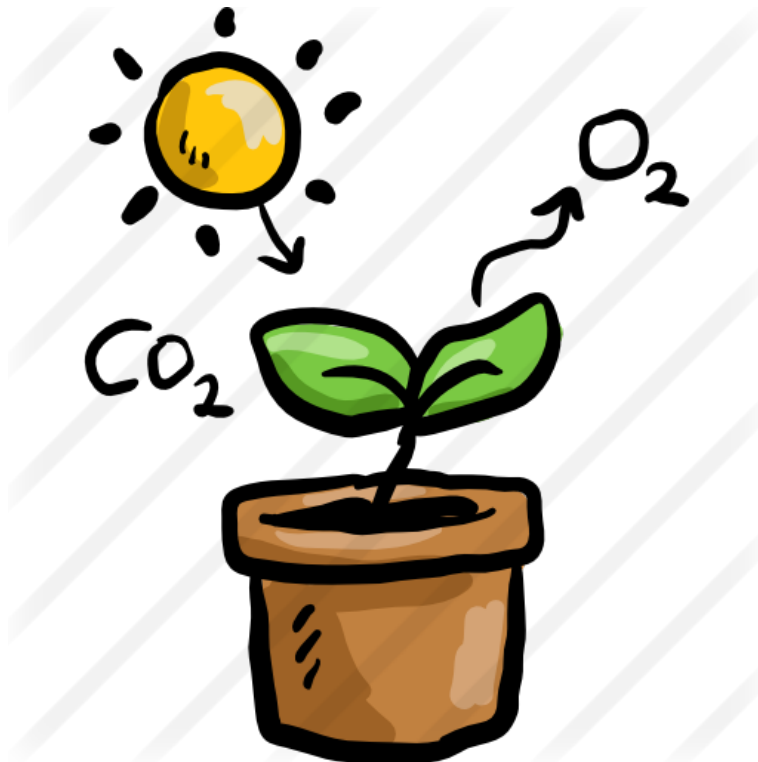


# Photosynthesis

Input file:           standard input  
Output file:         standard output  
Time limit:          1 second  
Memory limit:       256 megabytes



Gabriel the Researcher is studying the occurrence of photosynthesis inside the chloroplasts of plants. Photosynthesis is a process used by all plants and some other organisms to convert light energy into chemical energy. Assuming there is unlimited light energy, for every 6 molecules of carbon dioxide ( $\text{CO}_2$ ) and 6 molecules of water ( $\text{H}_2\text{O}$ ), 1 molecule of glucose ( $\text{C}_6\text{H}_{12}\text{O}_6$ ) and 6 molecules of oxygen ( $\text{O}_2$ ) will be made. Given  $a$  molecules of carbon dioxide and  $b$  molecules of water, help Gabriel find the number of molecules of glucose and oxygen that will be produced.

## Input

The input contains two space separated integers  $a$  and  $b$  ( $0 \leq a, b \leq 10^9$ ) — the number of molecules of  $\text{CO}_2$  and molecules of  $\text{H}_2\text{O}$ .

## Output

Output two space separated integers — the number of molecules of  $\text{C}_6\text{H}_{12}\text{O}_6$  and  $\text{O}_2$  produced.

## Examples

standard input	standard output
14 18	2 12
6 0	0 0

## Note

In the first example, both 14 molecules of carbon dioxide and 18 molecules of water allow for 2 molecules of glucose and 12 molecules of oxygen. 2 molecules of carbon dioxide and 6 molecules of water are left over since they cannot be used in another reaction.

In the second example, since there are 0 molecules of water, photosynthesis does not take place and no glucose molecules or oxygen molecules are be produced.