# Cycling In Gully

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

Our little boy Wakar has grown up. He is now in class Nine! Yesterday, he got a lesson about `distance` and `displacement`. Today is a holiday. So, in the early morning he took his cycle and went for a great leisure. There is a boring gully in his area. It is boring because the gully has so much turns. Blowing his hairs in the air, suddenly a problem clicked in his mind. He came home and searched something- The map of his area. He found it in his grandfather's trunk. He saw the gully looked something like this shape-
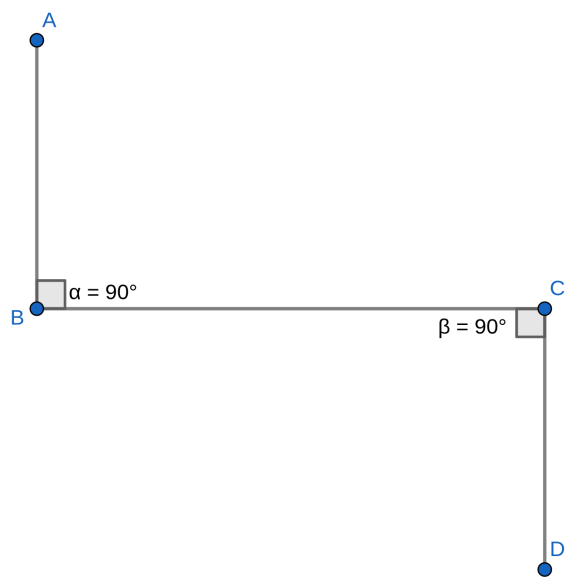


He will be going from point A to D. He has the distance of $\overrightarrow{AB}$ , $\overrightarrow{BC}$, $\overrightarrow{CD}$. So he want to measure his distance and displacement. Can you help him to measure the his `distance` and `displacement` ?

## Input

There will be the values of $\overrightarrow{AB}$ ($1 \leq AB \leq 10^7$), $\overrightarrow{BC}$ ($1 \leq BC \leq 10^7$), and $\overrightarrow{CD}$ ($1 \leq CD \leq 10^7$).

## Output

You have to give output two numbers *distance* and *displacemet*. Print the output upto $10^{-6}$

## Example

| standard input | standard output |
|---|---|
| 4 10 3 | 17.000000 12.206556 |

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