This is a [reverse challenge](keyword://reverse-challenge), enjoy!

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] integer a**

*Guaranteed constraints:*  
-1000 ≤ a ≤ 1000.

* **[input] integer b**

*Guaranteed constraints:*  
-1000 ≤ b ≤ 1000.

* **[input] integer c**

*Guaranteed constraints:*  
-1000 ≤ c ≤ 1000.

* **[input] integer d**

*Guaranteed constraints:*  
-1000 ≤ d ≤ 1000.

* **[output] array.integer**

An array of length 2.

<https://codefights.com/challenge/vwrjaSzc2egE3FiYf?utm_source=emailNotification&utm_medium=email&utm_campaign=featuredChallenge>

int[] imagine(int a, int b, int c, int d)

{

return new int[] { a \* c - b \* d, a \* d + c \* b };

}