No Distance is Too Far Apart

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

Alice and Bob are standing somewhere in a vaccination queue of N people (including themselves). With everyone wearing facemasks and keeping their distance, it's almost impossible to recognize anyone else.

Alice counts A people standing in front of her, while Bob counts B people standing behind him.

Even if they can't see each other, they still want to know how far apart they are. Can you help them find out how many people are standing **between** Alice and Bob (excluding both of them)?

Input

One line contains three integers N, A, and B ($2 \le N \le 1000, 0 \le A, B \le N - 1; A + B \ne N - 1$) — the number of people in the queue, the number of people in front of Alice, and the number of people behind Bob, respectively.

Output

Output a single integer — the number of people standing between Alice and Bob.

Examples

standard input	standard output
10 2 3	3
7 4 5	2
998 244 353	399

Note

In the first example, the line, from front to back, can be described as `ooAoooBooo` where A is where Alice is and B is where Bob is.

In the second example, the line, from front to back, can be described as `oBooAoo` where A is where Alice is and B is where Bob is.