Accommodation – CodeChef

Problem
There are B boys and G girls who want hotel accommodation. Each room used must contain: - At least X boys
- At least Y girls
- At most N people in total

Find the minimum number of rooms required to accommodate all B + G people. If it is not possible, output -1.

Solution Approach
1. Check feasibility: If X + Y > N, accommodation is impossible.
2. Calculate minimum rooms: rooms = ceil((B + G) / N)
3. Validate: rooms × X ≤ B and rooms × Y ≤ G

Example
Input:
10 10 2 1 5

Output:
4

Language
Java

Status
Solved and Accepted