Q3 (10 marks) A straight walkway, 1-metre wide, is to be covered by tiles. There are k sizes of tile, all is 1-metre wide. Find the minimum number of tiles required to cover the length L of the walkway.

NOTE The tile of length 1 metre is always an available size.

INPUT
  Line 1 : the list of k tile lengths, $k \leq 5$
  Line 2 : the length L of the walkway, $L \leq 1000$

OUTPUT
  The minimum number of tiles that covers the length L

EXAMPLE

INPUT	OUTPUT
1 2 5 10 16	3
1 83 127 189 234 967	6