

PROBLEM DEFINITION -

Write a function named “minimumInt(l)” that, given a list of N integers, returns the smallest positive integer (greater than 0) that is not present in list.

For example,

- 1) l = [1, 6, 2, 8, 5, 5], the function should return 3,
- 2) l = [-10, 30], the function should return 1.

Write an efficient algorithm as possible.

Assumptions:

$1 \leq N \leq 100,000$

$-1,000,000 \leq x \leq 1,000,000$

... where x is any element in A