import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int t = scanner.nextInt();

for (int i = 0; i < t; i++) {

int n = scanner.nextInt();

int[] a = new int[n];

for (int j = 0; j < n; j++) {

a[j] = scanner.nextInt();

}

int minSum = Integer.MAX\_VALUE;

for (int j = 0; j < n; j++) {

for (int k = j + 1; k < n; k++) {

int sum = a[j] + a[k] + k - j;

minSum = Math.min(minSum, sum);

}

}

System.out.println(minSum);

}

}

}