#include <iostream>

using namespace std;

int main()

{

int T;

cin >> T;

for (int k = 0; k < T; k++)

{

int N;

cin >> N;

int A[N];

for (int i = 0; i < N; ++i)

{

cin >> A[i];

}

int minSum = INT\_MAX;

for (int i = 0; i < N; i++)

{

for (int j = i + 1; j < N; j++)

{

int currentSum = A[i] + A[j] + j - i;

if (currentSum < minSum)

{

minSum = currentSum;

}

}

}

cout << minSum << endl;

}

return 0;

}

