Let’s try again!  - Homework

- Can we rearrange the loops so that the function scans the 3D array $A$ with a stride-1 reference pattern (and thus has good spatial locality)?

Possible solution 1:
```c
int sumArray(int A[N][N][N]) {
    int i, j, k, sum = 0;
    for (i = 0; i < N; i++)
        for (j = 0; j < N; j++)
            for (k = 0; k < N; k++)
                sum += A[i][j][k];
    return sum;
}
```

Possible solution 2:
```c
int sumArray(int A[N][N][N]) {
    int i, j, k, sum = 0;
    for (k = 0; k < N; k++)
        for (i = 0; i < N; i++)
            for (j = 0; j < N; j++)
                sum += A[k][i][j];
    return sum;
}
```