

```

1  /// Final 2554-2 Type 1: Sum Matrix Diff
2  #include <stdio.h>
3
4  int main() {
5      int A[100][100];
6      int nrows;
7      scanf("%d", &nrows);
8
9      int row, col;
10     for(row = 0; row < nrows; ++row) {
11         for(col = 0; col < nrows; ++col) {
12             scanf("%d", &A[row][col]);
13         }
14     }
15
16     int sum_diff = 0;
17     for(row = 0; row < nrows; ++row) {
18         for(col = 0; col < row; ++col) {
19             int a = A[row][col];
20             int b = A[col][row];
21             if(a > b)
22                 sum_diff += a - b;
23             else
24                 sum_diff += b - a;
25         }
26     }
27
28     printf("%d", sum_diff);
29
30     return 0;
31 }

```