A - Sum of two matrices

Given two matrices A and B each of size N x M, print sum of the matrices (A + B)..  
Note: Try solving it by declaring only a single matrix.

**Input Format**

First line of input contains N, M - size of the matrices. Its followed by 2\*N lines, each containing M integers - elements of the matrices. First N lines for matrix A and the next N lines for matrix B.

**Constraints**

1 <= N, M <= 100  
-109 <= ar[i] <= 109

**Output Format**

Print sum of the 2 given matrices (A + B).

**Sample Input 0**

2 3

5 -1 3

19 8 4

4 5 -6

1 -2 12

**Sample Output 0**

9 4 -3

20 6 16

**Explanation 0**

Self Explanatory.

#include <iostream>

#include <vector>

using namespace *std*;

int main(void)

{

int n, m;

*cin* >> n >> m;

*vector*<*vector*<int>> A(n,*vector*<int>(m));

for (auto i = 0; i < n; i++)

{

for (auto j = 0; j < m; j++)

{

int ele; *cin* >> ele;

A[i][j] = ele;

}

}

for (auto i = 0; i < n; i++)

{

for (auto j = 0; j < m; j++)

{

int ele; *cin* >> ele;

*cout* << ele + A[i][j] << " ";

}

*cout* << *endl*;

}

return 0;

}