Given a matrix of size N x M, print row-wise sum, separated by a newline.  
Note: Try to solve this without declaring/storing the matrix.

**Input Format**

First line of input contains N, M - the size of the matrix. Its followed by N lines each containing M integers - elements of the matrix.

**Constraints**

1 <= N, M <= 100  
-106 <= ar[i] <= 106

**Output Format**

Print row-wise sum of the matrix, separated by a newline.

| **Inputcopy** | **Outputcopy** |
| --- | --- |
| 2 3  5 -1 3  19 8 -5 | 7  22 |