```
/* Calculates the total of all values in a int matrix
*
* @param m The matrix
* @return Total value of all entries in m
*/
```

public static int[][] total(int[][] m)

```
int rows = m.length;
int cols = m[0].length;
int T = 0;
int i = 0;
```

i < rows?

No → return T; → End

Yes

int j = 0;

j < cols ?

No → i++

Yes

T = T + m[i][j];

j++