

Algorithm

Step 1: start
Step 2: Input the matrices
Step 3: for $i = 0$ to $m-1$

for $j = 0$ to $n-1$ then
 $sum[i][j] = a[i][j] + b[i][j]$
 $diff[i][j] = a[i][j] - b[i][j]$

Step 4: output sum & diff

Step 5: stop.

Flowchart

