

## \* Primary and second diagonal sum \*

### • Algorithm •

Step 1 : Start

Step 2 : Read rows and columns.

Step 3 : Initialise

pdsum = 0

sdsum = 0

Step 4 : To enter elements

Repeat for (i=0; i < rows; i++)

for (j=0; j < cols; j++)

Read a[i][j]

Step 5 : Primary diagonal sum.

for (i=0; i < rows; i++)

for (j=0; j < cols; j++)

if (i == j)

pdsum = pdsum + a[i][j]

Print pdsum.

Step 6 : Secondary diagonal sum

~~for~~ i = 0

for (j = cols - 1; j >= 0; j--)

spdsum = sdsum + a[i][j]

i++

Print sdsum.

Step 7 : Stop

• Flowchart.

