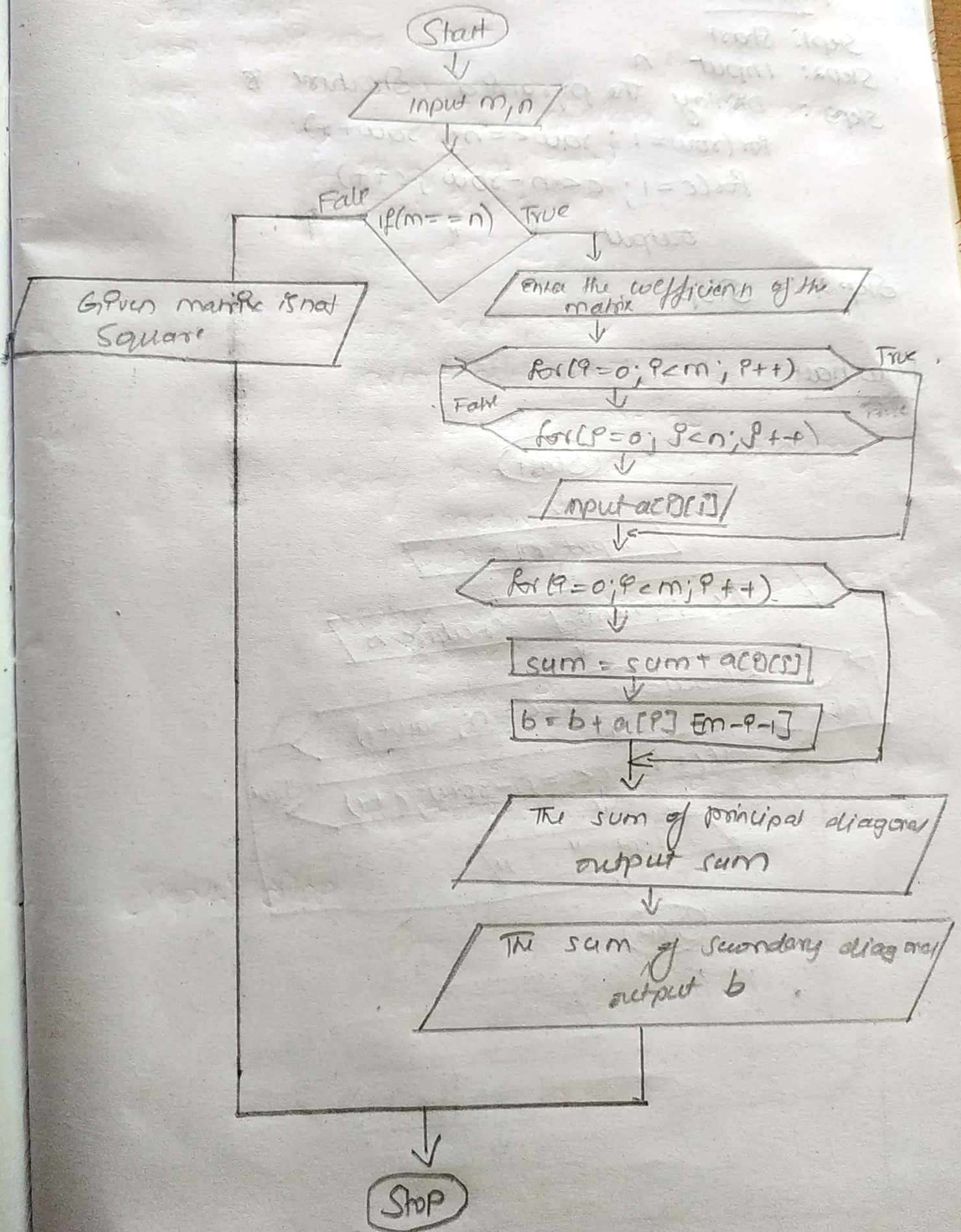


***GAYATHRI***

***4AL19CS035***

# Flowchart





## Algorithm

Step1: Start

Step2: Input  $m, n$

Step3: If  $(m == n)$

Display Enter the coefficients of the matrix

for  $i=0; i < m; i++$

for  $j=0; j < n; j++$

Input  $a[i][j]$

for  $i=0; i < m; i++$

$sum = sum + a[i][i]$

$b = b + a[i][m-i-1]$

Display sum of principle diagonal  
matrix

output sum

Display sum of Secondary diagonal  
Element

output b

Else

The given order is not square matrix

Step4: Stop