**Pseudocode**

Insertion\_Sort(A,n)

//Array A of size n is passed

for j ← 1 to n

key ← A[j]

i ← j - 1

while i >= 0 and A[i] > key

do

A[i+1] = A[i]

i ← i-1

A[i+1] = key

return A

isTriangular(A,n)

//Array A of size n is passed

Insertion\_Sort(A)

for i ← to n-2

if A[i] + A[i + 1] > A[i + 2]

return 1

else

return 0

**Analysis**

