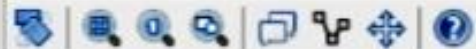
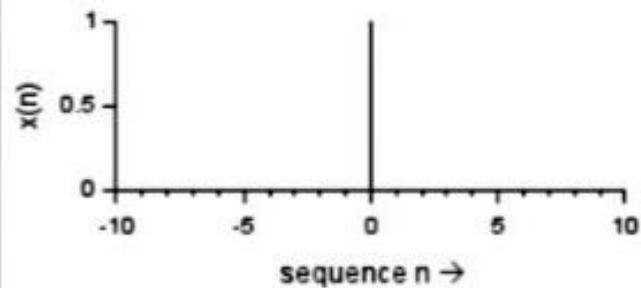


File Tools Edit ?

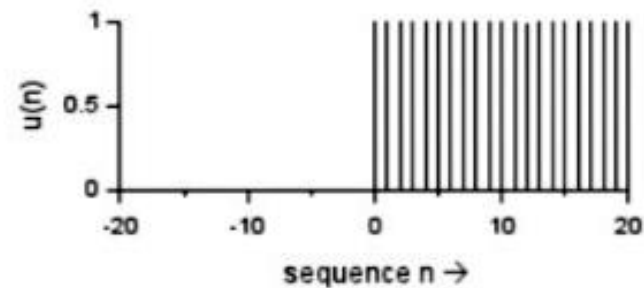


Graphic window number 0

UNIT IMPULSE



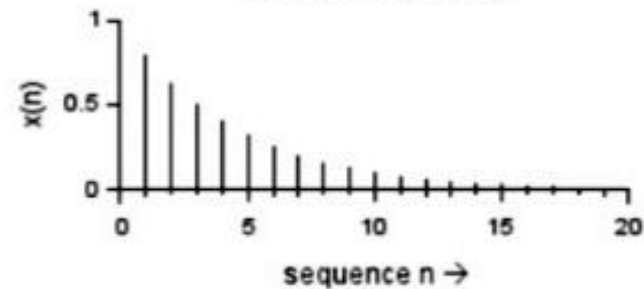
UNIT STEP



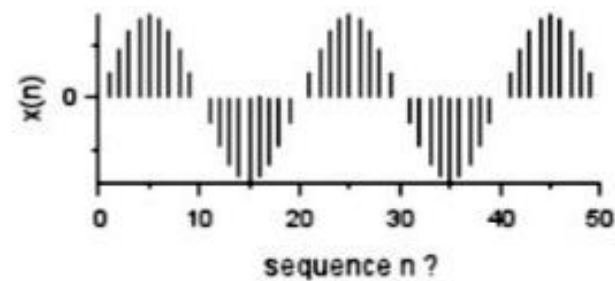
UNIT RAMP



exponential signal



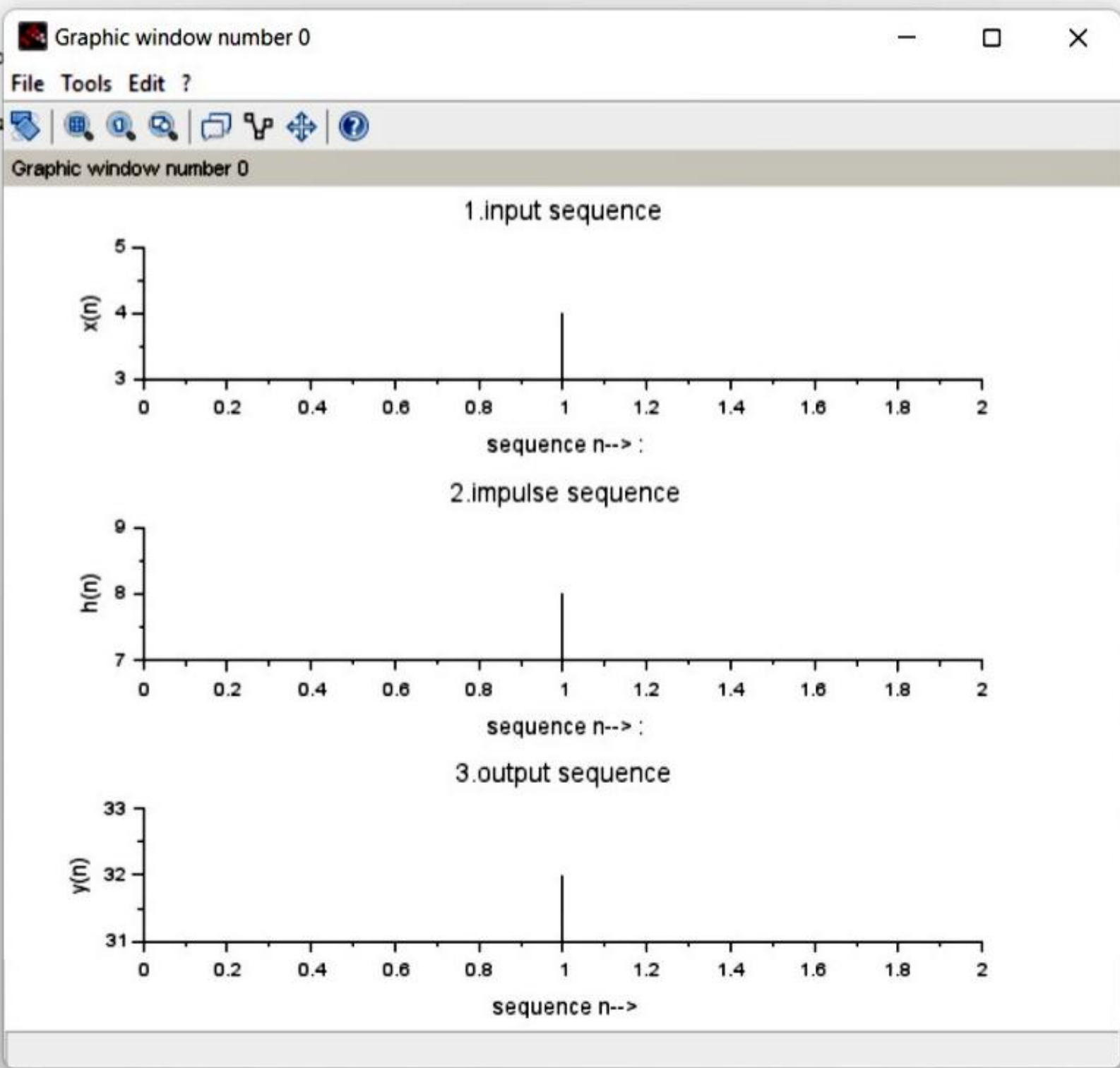
Sinusoidal signal



Impulse sequence 1/2, 1/2

r of outp

oint input



se sequence :55

h of the im

1 to 30

55. 55.

31 to 48

55. 55.

1 to 36

0. 0. 0

37 to 48

0. 0.

ber of outp

point input

55. 55. 55

55.

0. 0. 0.

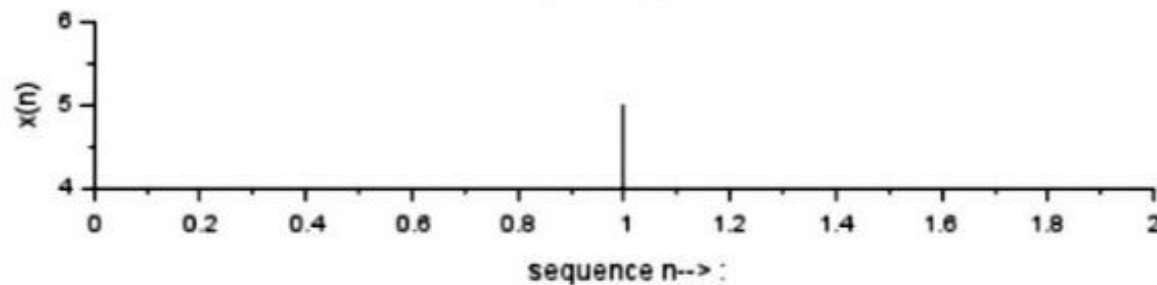
Graphic window number 0

File Tools Edit ?

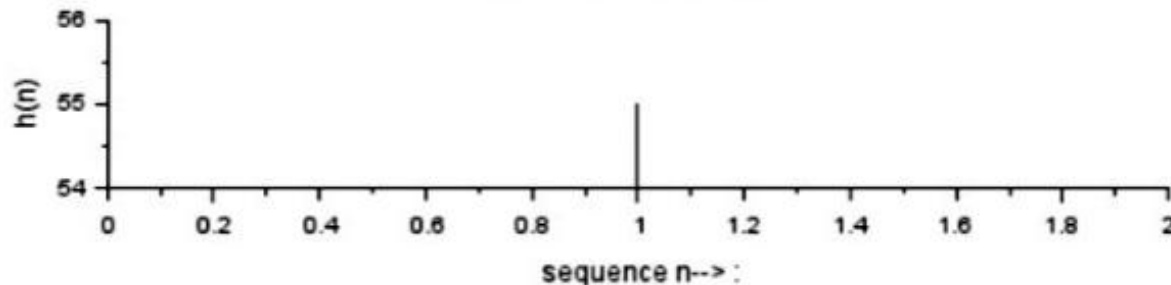


Graphic window number 0

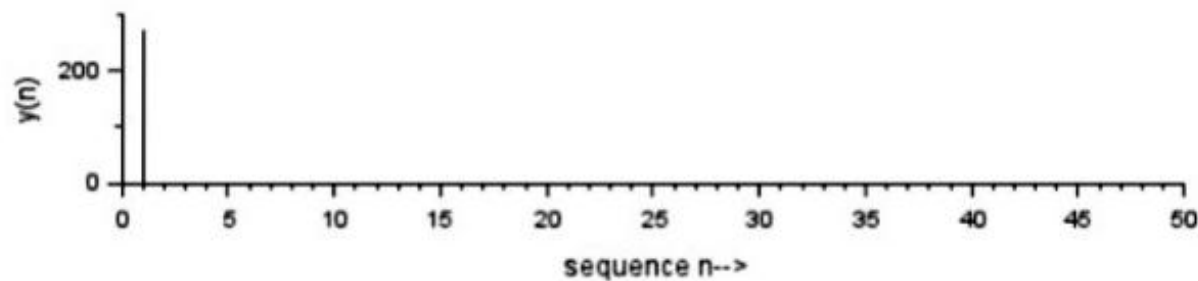
1.input sequence



2.impulse sequence



3.output sequence



sequence :6

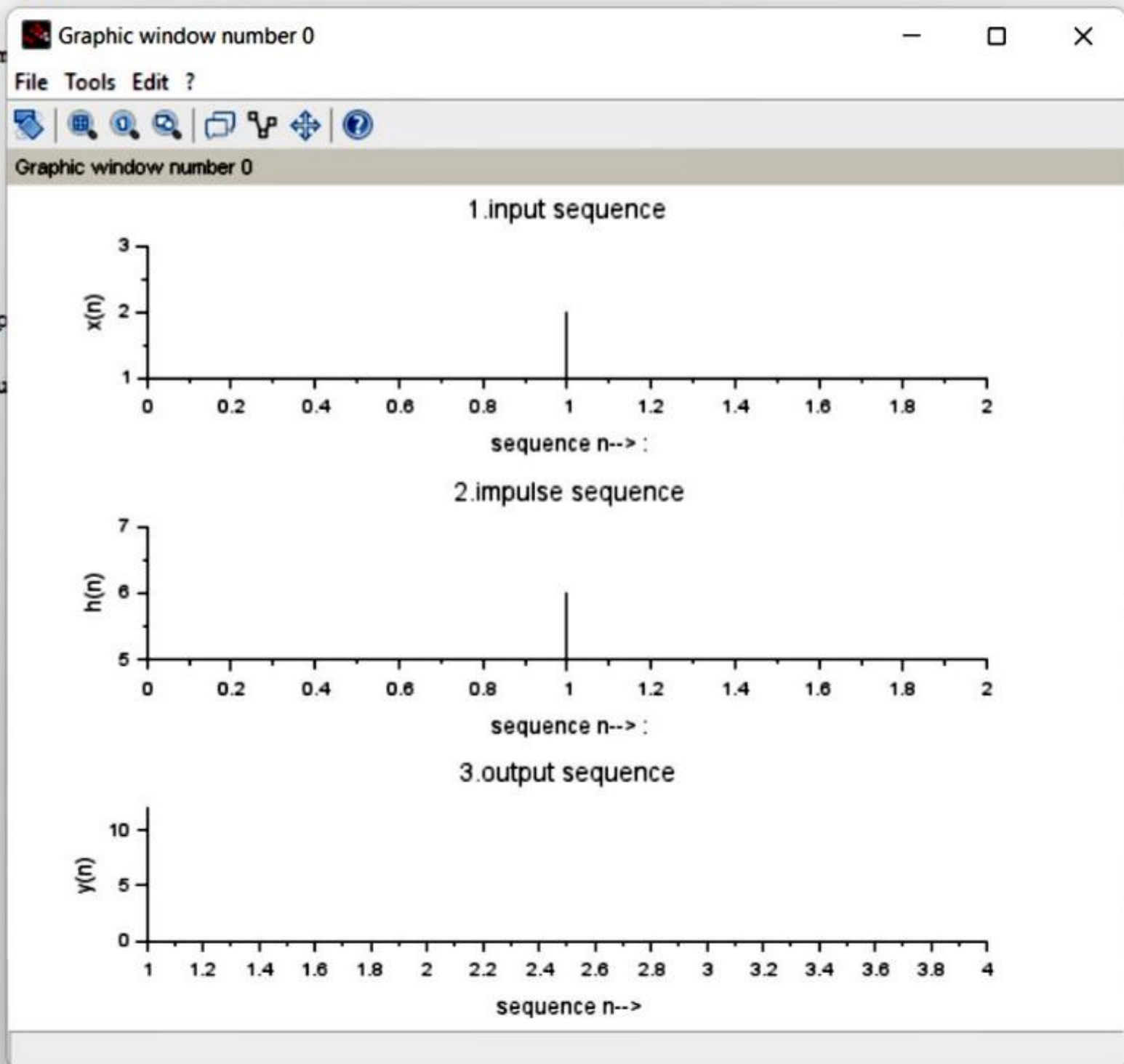
of the im

6.

0.

r of outp

oint input



20. + 0.1 -5.8284271 - 2.41421361 0. + 0.1 -0.1715729 - 0.41421361 0. + 0.1 -0.1715729 + 0.41421361 0. + 0.1 -5.8284271 + 2.41421361

20. 6.3086441 0. 0.4483415 0. 0.4483415 0. 6.3086441

0. -2.7488936 0. -1.9634954 0. 1.9634954 0. 2.7488936

1. 2. 3. 4. 4. 3. 2. 1.

--> 5

ans =

5.

--> |

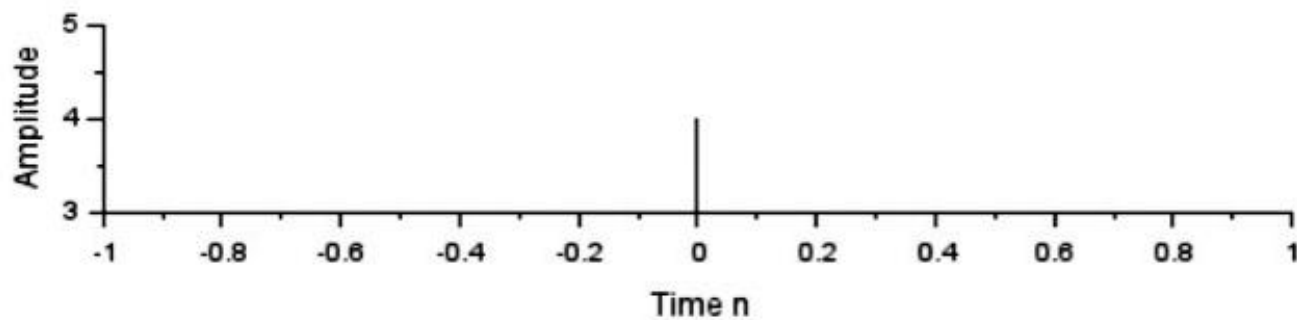
Graphic window number 0

File Tools Edit ?

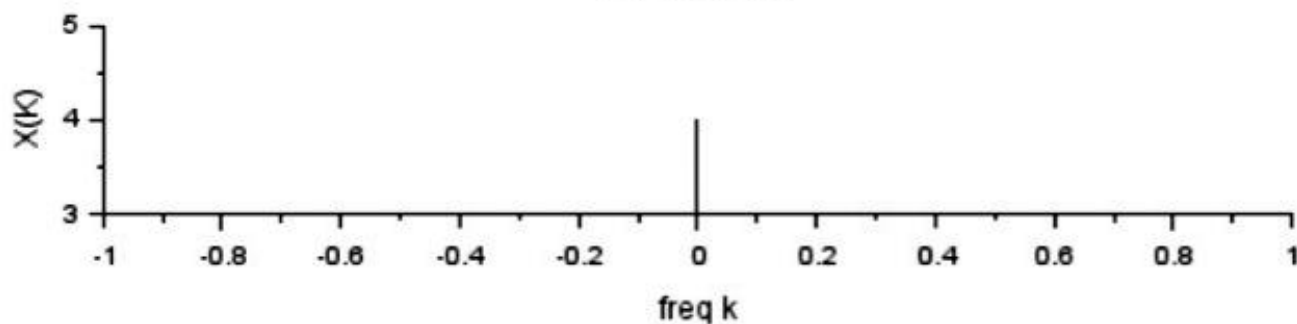


Graphic window number 0

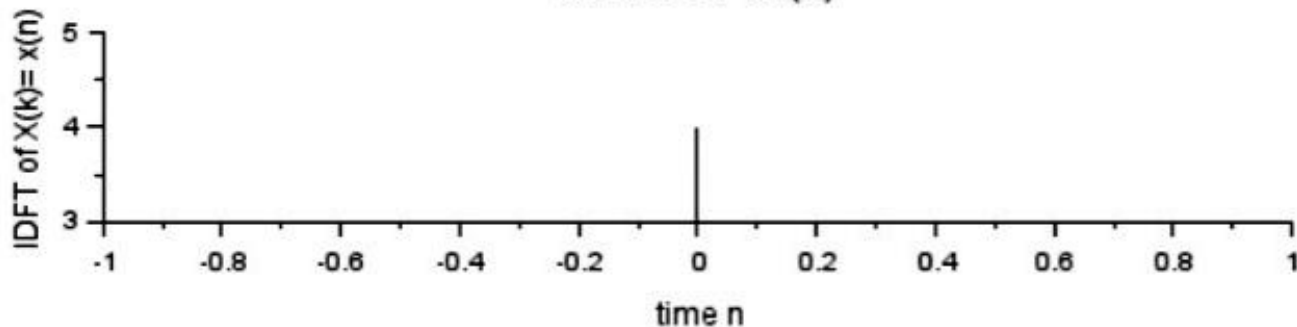
Input Sequence



DFT of  $x(n)$



Inverse DFT  $x(n)$



Enter the pass band frequency (Radians )= 4

Enter the stop band frequency (Radians )= 8

Enter the pass band attenuation (dB)=5

Enter the stop band attenuation(dB)=5.4

Enter the Value of sampling Time=8

"omegap="

-0.5462600

"omegas="

0.2894553

"N="

-0.0040799 - 0.0201821i

"Round off value of N="

0. + 0.i

"omegac="

-Inf + 0.i

"Normalised Analog LPF Transfer function H(S)="

Enter the pass band frequency (Radians )= 4.5

Enter the stop band frequency (Radians )= 5.5

Enter the pass band attenuation (dB)=6

Enter the stop band attenuation(dB)=9

Enter the Value of sampling Time=8

"omegap="

-0.3096569

"omegas="

-0.1032295

"N="

0. - 0.8005794i

"Round off value of N="

0. + 0.i

"omegac="

0. + 0.i

"Epsilon="

1.7265780