```
>> % JEPH MARI M. DALIGD BS-ECE III
>> % x(n) = (0.8)^n u(n − 2)
>> b = [0 0 0.64]

b =

         0         0    0.6400

>>  a = [1 -0.8]

a =

    1.0000   -0.8000

>>  [delta,n] = impseq(0,0,10)

delta =

  1×11 logical array

   1   0   0   0   0   0   0   0   0   0   0


n =

     0     1     2     3     4     5     6     7     8     9    10

>> xb1 = filter(b,a,delta)

xb1 =

         0         0    0.6400    0.5120    0.4096    0.3277    0.2621    0.2097↙
0.1678    0.1342    0.1074

>> [u,n] = stepseq(2,0,10)

u =

  1×11 logical array

   0   0   1   1   1   1   1   1   1   1   1


n =

     0     1     2     3     4     5     6     7     8     9    10

>>  xb2 = ((0.8).^n).*u

xb2 =
```

```
         0         0    0.6400    0.5120    0.4096    0.3277    0.2621    0.2097↙
0.1678    0.1342    0.1074

>> error = max(abs(xb1-xb2))

error =

   1.1102e-16

>>
```