t(k)

- 2.000000000000000e-01
- 4.000000000000000e-01
- 6.00000000000001e-01
- 8.00000000000000e-01
- 1.00000000000000e+00
- 1.20000000000000e+00
- 1.40000000000000e+00
- 1.60000000000000e+00
- 1.80000000000000e+00
- 2.00000000000000e+00

Approximate value :-

- 5.00000000000000e-01
- 8.000000000000000e-01
- 1.15200000000000e+00
- 1.55040000000000e+00
- 1.98848000000000e+00
- 2.458176000000000e+00
- 2.94981120000001e+00
- 3.451773440000001e+00
- 3.950128128000001e+00
- 4.428153753600001e+00
- 4.865784504320001e+00

Actual Values:-

- 5.000000000000000e-01
- 5.00000000000000e-01
- 8.292986209199150e-01
- 1.214087651179365e+00
- 1.648940599804746e+00
- 2.127229535753766e+00
- 2.640859085770477e+00
- 3.179941538631727e+00
- 3.732400016577664e+00
- 4.283483787802443e+00
- 4.815176267793525e+00

Errors:-

0

- -3.000000000000000e-01
- -3.227013790800851e-01
- -3.363123488206357e-01
- -3.395394001952543e-01
- -3.309464642462339e-01
- -3.089521142295233e-01
- -2.718319013682740e-01
- -2.177281114223368e-01
- -1.446699657975579e-01
- -5.060823652647617e-02

```
t(k)
                                    Approximate Values
   0
                                     0
  5.000000000000000e-01
                                     0
  1.00000000000000e+00
                                     4.121803176750320e-01
 b>
                                    Approximate Values
  t(k)
  1.00000000000000e+00
                                    2.00000000000000e+00
  1.25000000000000e+00
                                    2.75000000000000e+00
  1.50000000000000e+00
                                    3.550000000000000e+00
  1.75000000000000e+00
                                    4.391666666666667e+00
  2.000000000000000e+00
                                    5.269047619047619e+00
  2.25000000000000e+00
                                    6.177678571428571e+00
  2.50000000000000e+00
                                    7.114087301587301e+00
  2.75000000000000e+00
                                    8.075496031746031e+00
  3.00000000000000e+00
                                    9.059632034632033e+00
 c>
  t(k)
                                    Approximate Values
                                    2.500000000000000e-01
                                    1.250000000000000e-01
  1.000000000000000e-01
  2.000000000000000e-01
                                    8.7499999999999e-02
  3.000000000000000e-01
                                    1.0375000000000000e-01
  4.000000000000000e-01
                                    1.568750000000000e-01
  5.00000000000000e-01
                                    2.384375000000000e-01
  6.00000000000001e-01
                                    3.442187500000000e-01
  7.00000000000001e-01
                                    4.721093750000001e-01
  8.00000000000000e-01
                                    6.210546875000000e-01
  9.00000000000000e-01
                                    7.905273437500001e-01
  1.00000000000000e+00
                                    9.802636718750002e-01
3>
   with h=0.2
                v(5) = 1.003962166440690e + 02
   with h=0.1
                 y(5) = 1.365515722500323e+04
```

2>a>