

```

=====Ableiten=====
x =
x = 2.00000000
=====Vorwaertsdifferenz-Methode=====
f(x)=(d*x**2)/dx , h= 9.99999978E-03
|-> f(x)= 4.01000977
`-> diff= 1.00097656E-02
f(x)=(d*x**2)/dx , h= 1.00000005E-03
|-> f(x)= 4.00066376
`-> diff= 6.63757324E-04
f(x)=(d*x**2)/dx , h= 9.99999975E-05
|-> f(x)= 3.99589539
`-> diff= -4.10461426E-03
=====optimize h=====
----Bisektion-----
f(x)=(d*x**2)/dx , h= 6.25000452E-04
|-> f(x)= 4.00008869
`-> diff= 8.86917114E-05
----Theorie-----
f(x)=(d*x**2)/dx , h= 3.16227757E-04
|-> f(x)= 3.99892831
`-> diff= -1.07169151E-03
=====Integrieren=====
Integral obere Grenze x1=
Integral obere Grenze x1= 0.100000001
Integral unter Grenze x2=
Integral unter Grenze x2= 0.00000000
=====Simpson-Methode=====
int e**x von x2 bis x1 = 0.105170913

```