```
from scipy.integrate import odeint
def ode(y, t):
   v = v[0]
                                      Index
                                               Vector t
                                                             Vector v
   k = 1.4e-3
                                      0
                                               0.0
                                                             2.0
   dvdt = -k*v
   return [dydt]
                                                                                 Solutions:
                                               200.0
                                                             1.51156746222
                  Initial
                                                             1.14241815479
                                                                                    y(t)
                                               400.0
y0 = 2 ⋖−
                conditions
                                                             0.863421078399
                                               600.0
                  t[0], y0
                                                             0.652559609924
                                               800.0
                                                             0.493193939903
                                               1000.0
                                                             0.3727479595
                                               1200.0
t = np.linspace(0,2000,11)
                                                             0.281716839817
                                               1400.0
results = odeint(ode, [v0], t)
y = results[:,0]
                                                             0.212917000706
                                               1600.0
print t
                                                             0.160919202512
                                               1800.0
print y
                                                             0.12162011277
                                      10
                                               2000.0
print t[3]
```

import numpy as np

print y[3]