

```

In[319]:= k = 40
y = .039
(1 / y) * (1 - ((1 + y) / k) * ((1 / y) - (1 / (y * ((1 + y) ^ k))))))

1250000 / 80000 // N
k = 95 - 60
y = .00719
(1 / y) * (1 - ((1 + y) / k) * ((1 / y) - (1 / (y * ((1 + y) ^ k))))))
Out[319]= 40

Out[320]= 0.039

Out[321]= 12.26006196

Out[322]= 15.625

Out[323]= 35

Out[324]= 0.00719

Out[325]= 15.62569924

In[326]:= 1550000 / 60000 // N
r = .0001
k = 95 - 60
Out[326]= 25.83333333

Out[327]= 0.0001

Out[328]= 35

In[329]:= (1 / r) * (1 - ((1 + r) / k) * ((1 / r) - (1 / (r * ((1 + r) ^ k))))))
Out[329]= 16.97961886

In[330]:= (* Example from class using values from Sunlife *)
1000000 / 64000 // N
k = 100 - 65
x = .00719
(1 / x) * (1 - ((1 + x) / k) * ((1 / x) - (1 / (x * ((1 + x) ^ k))))))
Out[330]= 15.625

Out[331]= 35

Out[332]= 0.00719

Out[333]= 15.62569924

```