

## # ANUITAS

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from pyliferisk import MortalityTable
from pyliferisk . mortalitytables import TMIP2011
from pyliferisk import Actuarial
import pandas as pd
from pyliferisk import *
import numpy as np

tariff = MortalityTable(nt=TMIP2011)
n=int(input("Jangka Waktu:"))
m= int(input("Jangka Pembayaran Premi:"))
i=float(input("Masukan bunga:"))
y=int(input("Umur Peserta:"))
up=float(input ("Jumlah Uang Pertanggungan:"))
v=1/(1+i)

ntA = Actuarial(nt=TMIP2011, i=i)
sum1=0
for t in range(0,m):
    j=v**t*tpx(ntA,y,t) #perhitungan anuitas per periode k/t
    sum1=sum1+j #sigma anuitas
print("aay:m = ", sum1)
```