mdv = Fret = F-Fd = F-YV

or, moder true F

Given at too, Fro and vivo

=> mdv =-rv

or du = - x dt

a) Jet = - x fat

[いり]=-*[け]。

=> \frac{1}{\frac{1}{\sqrt{0}}} \frac{1}{\sqrt{0}} \frac{1}{\sqrt{0}}

MOW T= = = 24 Ky3.P = 2 PY2

for backenium $Z = \frac{2 \times 5 \times 10^3 \times 0.5 \times 10^6 \times 0.5 \times 10^6}{9 \times 10^{-3}} = \frac{2.5 \times 10^{-6}}{9 \times 10^{-5}} = \frac{2.5 \times 10^{-6}}{$

for pufferfish $z = \frac{2\times5\times10^{3}\times0.5\times10^{-3}\times0.5\times10^{-3}}{9\times10^{-3}} = \frac{2.5\times10^{3-2-3}}{9\times10^{-3}} = \frac{2.5\times10^{3-2-3}}{9\times1$

Distance travelled before stopping is given by

n= just = voje-/2dt=[-voze-/2]=-voze-(-voze-0)= voz

: Stopping distance for bacterium = 10×10-6m×0.28×10-6s = 2.8×10-12m

stopping distance for pulserfish = 10×10-3 m ×0.28 = 2.8×103m = 2.8 mm