Daw. 
$$\rho(x) = \frac{x^{-1}}{\int_{-x^{-1}}^{x^{-1}} dx} = \frac{1}{x \log x}$$
and  $\rho(x) = \int_{-x}^{x} dy \rho(x) = \frac{\log x}{\log x}$ 

and 
$$P_c = \int_0^{\infty} dy \, P(x) = \frac{\log x}{\log x}$$

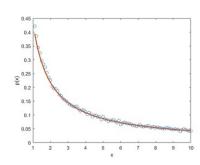
$$\Rightarrow \alpha = \frac{1}{r \log r}$$

That means uniform distribution of the [0,1) gives wo That E [1,T)

Language: Mottab

Source ade: Problem\_1.m

figure: Problem\_L. png



The distribution plot-