(1) parts, it can be described that, from provious assignment we found out that from previous assignment we found out that it is sub exponential.

But as a increases and tends to infinity I but as a increases and tends to infinity I from central limit theorem the distribution from central limit theorem the distribution from the tail probability as N = infinity.

I thus the tail probability as N = infinity.

Thus y is the contored beansalli RV with thus y is the contored beansalli RV with parameter P

$$E(e^{\Lambda y}) = e^{-\Lambda P} (1-P+Pe^{\Lambda})$$
 $E(e^{\Lambda y}) = e^{-\Lambda P} (1-P+Pe^{\Lambda})$ 
 $E(e^{\Lambda y}) = \exp\left(1-P+Pe^{\Lambda})$ 
 $E(e^{\Lambda y}) = \sup\left(1+\frac{1}{\Lambda} + \frac{1}{\Lambda} + \frac{1}$ 

Magging 
$$\lambda$$
 back .

We get  $W = (p+t) \log(L) - \log(1-p+p(n))$ 

Where  $W = (p+t) \log(\frac{p+t}{p(1-p-t)})$  and  $W = (p+t) \log(\frac{p+t}{p(1-p-t)})$ .

We have  $W = (p+t) \log(\frac{p+t}{p(1-p-t)})$  and  $W = \log$ 

where 
$$U = t \cdot \frac{1}{b}$$
 and  $U = -\lambda t + \frac{1}{b} \cdot \frac{1}{$ 

Now Lot  $b(u) = [\log(1+u)](1+u) - u$ Thus
p(szt) & exp[-Yzh(th)] Hence proved