Colot Makeo

(1221-0211/021)

I is Brannial

$$b(x;n,p) = \frac{n!}{x!(n-x)!} p^x q^{n-x}$$
 $M_x(t) = \sum_{r=0}^{\infty} e^{rt} \frac{n^r}{x!(n-x)!} p^x q^{n-x}$
 $= \sum_{r=0}^{\infty} (pe^r)^n \frac{p^r}{x!(n-x)!} q^{n-x}$
 $= (q+pe^r)^n$

Mean:

 $= (q+pe^r)^n$
 $= (q+pe^r)^n$
 $= (q+pe^r)^n$
 $= (q+pe^r)^n$
 $= (q+pe^r)^{n-r} = np$
 $= (q+pe^r)^{n-r}$
 $= (q+pe^r)^{n-r}$
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 $= (q+pe^r)^n$
 $= (q+np)^n$
 $= (q+np)$

