RESPOSTAS LISTA FUNÇÃO DESCRITIVA

a) $N = k - \frac{2k}{\pi} sen^{-1}\left(\frac{\Delta}{X}\right) - \frac{2\Delta k}{\pi X}\sqrt{1 - \left(\frac{\Delta}{X}\right)^2} + \left(\frac{4\Delta}{\pi X}\right)\sqrt{1 - \left(\frac{\Delta}{X}\right)^2}$

b) $N = \frac{2k}{\pi}\left[sen^{-1}\left(\frac{S}{X}\right) + \left(\frac{S}{X}\right)\sqrt{1 - \left(\frac{S}{X}\right)^2}\right]$

c) $N = k + \frac{2}{\pi}(k' - k)\left[sen^{-1}\left(\frac{S}{X}\right) - \left(\frac{S}{X}\right)\sqrt{1 - \left(\frac{S}{X}\right)^2} + \left(\frac{2S}{X}\right)\sqrt{1 - \left(\frac{S}{X}\right)^2}\right]$

d) $N = \frac{2{,}67X}{\pi}$

e) $N = k - \frac{2k}{\pi}\left[sen^{-1}\left(\frac{\Delta}{X}\right) + \left(\frac{\Delta}{X}\right)\sqrt{1 - \left(\frac{\Delta}{X}\right)^2}\right]$

f) $a_1 = \frac{4kh}{\pi}\left(\frac{h}{X} - 1\right)$

$b_1 = \frac{Xk}{\pi}\left[\frac{\pi}{2} - sen^{-1}\left(\frac{2h}{X} - 1\right) - \left(\frac{2h}{X} - 1\right)\sqrt{1 - \left(\frac{2h}{X} - 1\right)^2}\right]$

$N = \frac{1}{X}\sqrt{{a_1}^2 + {b_1}^2} < tan^{-1}\left({}^{a_1}/_{b_1}\right)$

g) $N = \frac{4M}{\pi X}$

h) $N = \frac{2k}{\pi} sen^{-1} + \left(\frac{S}{X}\right)\sqrt{1 - \left(\frac{S}{X}\right)^2} < -sen^{-1}\left(\frac{\Delta}{X}\right)$

i) $N = \frac{4M}{\pi X} < -sen^{-1}\left(\frac{\Delta}{X}\right)$

j) $N = \frac{4M}{\pi X}\sqrt{1 - \left(\frac{\Delta}{X}\right)^2}$