Geometric distribution

The geometric distribution is the probability that the first occurrence of success require k number of independent trials, each with success probability p.

Cumulative distribution function

$a := \text{curve2d}\left(\text{geometricdist}(x, 0.2), x, 1, 11, 11\right)$

$b := \text{curve2d}\left(\text{geometricdist}(x, 0.5), x, 1, 11, 11\right)$

$c := \text{curve2d}\left(\text{geometricdist}(x, 0.8), x, 1, 11, 11\right)$

Name	Title	Color	Origin
a	p = 0.2	--------	
b	p = 0.5	--------	
c	p = 0.8	--------	

Geometri - Cumulative distribution function