Exercise: 1

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Matriculation No.: 809567

2. Show that for the cumulative distribution function F(x) of the geometric distribution the following holds equation holds:

Solution:

= 1 – p (1 – p) *x* \* [1 + (1 – p) + (1 – p)2 + …]

= 1 – p (1 – p)*x* \* [

= 1 – (1 – p) *x*