* ***Bernoulli ( )***
* x – whether the event happened or not
* ***Geometric ( )***
* x – nr of tests before the event happens
* ***Binomial ( )***
* x, k – nr of passed tests
* n – total nr of tests
* ***Pascal ( )***
* x – total nr of tests
* k – nr of passed tests
* ***Poisson (*** ***α )***
* x – nr of events
* – events/unit duration
* ***Discrete ( )***
* x – event nr (equal probability for all)
* k – min
* l – max