parameter	value	description
n	10	Number of bulbs in the bag
p	$\frac{1}{50}$	Bulb chosen is defective
q	$\frac{49}{50}$	Bulb chosen is proper
$\mu = np$	$\frac{1}{5}$	Mean of the distribution
$\sigma^2 = npq$	$\frac{49}{250}$	Variance of the distribution