

# Untitled1

October 30, 2023

```
[19]: #R code in jupyter notebook  
n= 9  
p= 1/3  
  
mu= n * p # Mean  
sigma =sqrt(n * p * (1 - p)) # Standard deviation  
  
#pbinom is the CDF  
proba= pbinom(mu + 2 * sigma, size = n, prob = p) - pbinom(mu - 2 * sigma, size_  
↪= n, prob = p)  
proba
```

0.931565310166133