Sam and Products	
Notation: $a_1 + a_2 + \cdots + a_n = \sum_{k=1}^n a_k$	
k=0	
Properties: 1. \(\sum_{j=m} \text{ka} = \text{k} \sum_{j=m} \text{a} \)	
$\sum_{j=m}^{n} (a_j + b_j) = \sum_{j=m}^{n} a_j + \sum_{j=m}^{n} b_j$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
i=m j=p j=p i=m	
$E_{X}: \sum_{k=1}^{n} k = \frac{1}{2}n(n+1)$	
$\sum_{k=1}^{n} k^2 = \frac{1}{6} n(n+1) (2n+1)$	
$\frac{n}{2}$, $(2k-i) = n^2$	
$\frac{k}{k} = 1$ $\frac{n}{k} = a(1 - rk + 1)$	
$\frac{1-r}{2}$	
k=0	
k=0	

