

$\sum_{i=1}^n x_i$  is the same as  $\sum_{i=1}^n x_i$ .

Hajek and Sidak proved that  $\varphi(i/n) \rightarrow \varphi(u)$  as  $n \rightarrow \infty$ . They used "user-defined"  $\lim_{n \rightarrow \infty}$  rather than  $\lim_{n \rightarrow \infty}$ .  
 순열, 조합, 중복조합 간에는 다음 관계가 있다.

1.  ${}_nP_r = n(n-1) \cdots (n-r+1)$

2.  ${}_nC_r = \frac{{}_nP_r}{r!}$

3.  ${}_nH_r = {}_{n+r-1}C_r$