13. (10 points) Let n be a positive integer and r an integer such that $0 \le r \le n$.

Prove that C(n,r) = C(n,n-r).

$$\frac{L!(v-v)!}{u} = \frac{(v-v)!(v-(v-v)!}{u!} = \frac{v-v}{v!}$$

14. (10 points) Let n be a positive integer and r an integer such that $0 \le r \le n$.

Prove that C(n,r) = C(n-1,r) + C(n-1,r-1)

$$L[(u-c)]$$

= (n) = c (n,r)