

Induction example:  $\sum_{k=1}^{n} \frac{n(n+l)}{2}$ Proof. Ve use induction!  $\frac{1}{2} = \frac{1(2)}{2} = 1$ Hence  $\mathbb{P}(1)$  hold! Stop: Now assum P(n) hold! K=1 K=1 K=1

Wax to prove P(nH) K=1 (Break the 5m Ericken = (n+1)(n+2) which is P(n+1)

Balls Into bing

