何64 E(xi)=M, V(xi)=====E(xi)=W 7 E(X)=1, V(X)=0= = E(X)-12  $E(\hat{\theta}_{1}) = E\left(\frac{\sum_{i=1}^{n}(x_{i}-x_{i})^{2}}{n}\right) = \frac{1}{n}E\left(\frac{\sum_{i=1}^{n}x_{i}^{2}-nx_{i}}{n}\right)$  $=\frac{1}{n}(n6^2+n\mu^2-6^2-n\mu^2)=\frac{n-1}{n}6^2$  $F(\hat{\theta}_2) = F\left(\frac{\sum_{i=1}^{n}(X_i - X_i)^2}{\sum_{i=1}^{n}(X_i - X_i)^2}\right) = \frac{1}{n-1}F\left(\frac{\sum_{i=1}^{n}(X_i - X_i)^2}{\sum_{i=1}^{n}(X_i - X_i)^2}\right)$ = -1 (n6+n/2-62-n/2)=62

司 分 = (X<sub>1</sub>-X) / (n-1) 篇母体变異和 0 三不偏估计量. 而 0= (X<sub>1</sub>-X<sup>2</sup>)/n 篇 母体变異和 0 = (k) (X<sub>1</sub>-X<sup>2</sup>)/n 篇