En =  $\frac{1}{2} \frac{1}{N} (\bar{x} - x_i)^2$ En =  $\frac{1}{2} \frac{1}{N} (x_i - x_i)^2 = \frac{1}{2} \frac{1}{N} \frac{1}{N} (x_i - x_i)^2$ En =  $\frac{1}{2} \frac{1}{N} (x_i - x_i)^2 = \frac{1}{2} \frac{1}{N} (x_i - x_i)^2$ En =  $\frac{1}{N} (N \bar{x}^2 - 2 \bar{x} (x_i + x_i)^2 (x_i - x_i)^2$  $\frac{1}{N} (x_i - x_i)^2 (x_i - x_i)^2 = \frac{1}{N} (N \bar{x}^2 - 2 \bar{x} (x_i + x_$