$$n_{R} = N \cdot \frac{W_{R} \cdot S_{R}}{\sum_{i} W_{i} \cdot S_{R}} = N \cdot \frac{M_{R} \cdot S_{R}}{\sum_{i} M_{R} \cdot S_{R}}$$

$$V_{prop}(\overline{Y}_{Sr}) - V_{NEY}(\overline{Y}_{STr}) =$$

$$= \frac{1-f}{n} \stackrel{H}{\underset{k=1}{\times}} N_{R} \stackrel{?}{\underset{k=1}{\times}} - \frac{1}{n} \stackrel{H}{\underset{k=1}{\times}} N_{R} \cdot \stackrel{?}{\underset{k=1}{\times}} + \frac{1}{n} \stackrel{?}{\underset{k=1}{\times}} N_{R} \cdot \stackrel{?}{\underset{k=1}{\times}}$$

$$= \stackrel{?}{\underset{k=1}{\times}} N_{R} \cdot \stackrel{?}{\underset{k=1}{\times}} \left[ \stackrel{M}{\underset{N-N+R}{\times}} - \frac{1}{n} \stackrel{?}{\underset{k=1}{\times}} N_{R} \cdot \stackrel{?}{\underset{k=1}{\times}} N_{R} \cdot \stackrel{?}{\underset{k=1}{\times}} \right]$$

$$= \stackrel{?}{\underset{N}{\times}} N_{R} \cdot \stackrel{?}{\underset{k=1}{\times}} - \stackrel{1}{\underset{N}{\times}} \stackrel{?}{\underset{N=1}{\times}} \stackrel{?}{\underset{N=1}{\times}} N_{R} \cdot \stackrel{?}{\underset{N=1}{\times}} N_{R} \cdot$$

Efficienza di Neyman 
$$\frac{1-f}{n} = \frac{N-n}{N \cdot n}$$
 $N_{R} = N \cdot \frac{1}{N} \cdot \frac{$ 

$$\frac{1-f}{n} = \frac{1-n/N}{N} = \frac{N-n}{N \cdot n}$$

$$\frac{N-\kappa+\lambda}{Nn} = \frac{\kappa}{kn} = \frac{1}{n}$$

$$\frac{1}{n} \sum_{K=1}^{H} W_{K} \left( \int_{K} - \bar{S} \right)^{2} = \frac{1}{n} \sum_{K=1}^{H} W_{K} \left( \int_{K}^{2} + \bar{S}^{2} - 2 \int_{K} \cdot \bar{S} \right) = \frac{1}{n} \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} \sum_{K=1}^{H} W_{K} \cdot S_{K} = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] = \frac{1}{n} \left[ \sum_{K=1}^{H} W_{K} \cdot S_{K} + \bar{S}^{2} - 2 \bar{S}^{2} \right] =$$