

$$LRT(h) = n \ln \frac{\left| \frac{1}{n} \sum_{i=1}^n e_i e'_i \right|}{\left| \frac{1}{h} \sum_{i=1}^h e_i e'_i \right|^{\frac{h}{n}} \left| \frac{1}{n-h} \sum_{i=h+1}^n e_i e'_i \right|^{1-\frac{h}{n}}}$$