$$Var(Xm) = 1/\lambda^2$$
, $Var(\bar{x}) = \frac{1}{N\lambda^2}$

CLB:
$$\sqrt{N}(x - 1/\lambda) \xrightarrow{d} N(0, 1/N\lambda^2)$$

$$g(t) = \frac{1}{E}, \quad g'(t) = -\frac{1}{E^2}, \quad g'(\frac{1}{\lambda}) = -\lambda^2$$

$$g(\frac{1}{\lambda}) = \frac{1}{\lambda}$$

$$g(\frac{1}{\lambda}) = \frac{1}{\lambda}$$

$$\sqrt{N} \left(\frac{1}{X} - \lambda \right) \stackrel{d}{\to} N \left(0, \frac{\lambda^4}{N\lambda^2} \right)$$

$$\sqrt{N}\left(\frac{1}{x}-\lambda\right) \xrightarrow{d} N\left(0,\frac{\lambda^2}{N}\right)$$