b)
$$L(n_1, n_2, ..., n_n; \lambda) = \sum_{i=1}^{N} (-\lambda + n_i \log \lambda - \log 2i; 1)$$

$$\log L(n_1, n_2, ..., n_n; \lambda) = -N\lambda + (\sum_{i=1}^{N} n_i) \log \lambda$$

for MIE, differstite wit)

$$\frac{dQ}{dx} = -n + \frac{2ni}{\lambda}$$

$$-n + \frac{2ni}{\lambda}$$

$$-n + \frac{2ni}{\lambda}$$

$$\lambda = \frac{n}{\lambda}$$

$$\lambda = \frac{n$$