$$= \frac{1}{2} \frac{$$

$$= \underbrace{\begin{cases} 2 & 0 \\ 2 & 1 \\ 1 & 1 \end{cases}}_{N_1 = 0} \underbrace{\begin{cases} N \\ N \\ N \end{cases}}_{N_2 = 0} \underbrace{\begin{cases} N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \end{cases}}_{N_3 = 0} \underbrace{\begin{cases} N \\ N \\ N \end{cases}}_{N_3$$

$$=\frac{N}{11}\sum_{j=1}^{N}e^{-\beta n_{j}}hw_{j}$$

$$= \frac{N}{|I|} \frac{1}{1 - e^{-\beta \xi_{i}}}$$

b) 
$$(2n_{i}) = \frac{\partial (n_{i})}{\partial (-p_{i})}$$

$$\frac{\partial \ln Q}{\partial (-345)} = -\frac{10 - 100}{100} \left( -\frac{100}{100} \left( -\frac{100}{100} - \frac{100}{100} \right) \right)$$

