Gin; index k=2. P 1-P  $\Phi(P) = \sum_{k=1}^{\infty} P_k(P_k) = \sum_{k=1}^{\infty} (P_k)$ Argmax  $\Phi(P_k,...,P_k) = \sum_{k=1}^{\infty} P_k(P_k)$  s.t.  $\sum_{k=1}^{\infty} P_k(P_k)$ 

argmax  $\Phi(p_1,...,p_k) = \sum p_k(tp_k)$  S.t.  $\sum p_k = 1$ Prompte

argmax  $\Phi(p_1,...,p_k) - \lambda(\sum p_k - 1)$ Prompte

G

$$\frac{\partial G}{\partial \lambda} = \sum_{k=1}^{\infty} \frac{\partial G}{\partial k} = \sum_$$