Finding a Gradient

1分

Suppose we have

$$g(a, b) = -\log(1 - a - b) - \log(a) - \log(b)$$

To find the minimum, we want $\nabla g(a, b) = 0$ at some point $[a, b]$. What is the gradient?

选项*

○ $\begin{bmatrix} \frac{1}{a} \\ \frac{1}{b} \end{bmatrix}$

○ $\begin{bmatrix} \frac{1}{1-a-b} - \frac{1}{a} \\ \frac{1}{1-a-b} - \frac{1}{b} \end{bmatrix}$

○ $\begin{bmatrix} \frac{1}{1-a-b} \\ \frac{1}{1-a-b} \end{bmatrix}$

○ $\begin{bmatrix} -\frac{1}{1-a-b} + \frac{1}{a} \\ -\frac{1}{1-a-b} + \frac{1}{b} \end{bmatrix}$

保存回答 提交最终回答