$$Q_{1} = \sum_{i \neq i} \sum_{j \neq i} \sum_{i \neq j} \sum_{j \neq i} \sum_{j \neq$$

$$\frac{\partial L}{\partial x} = \frac{\partial L}{\partial q} \cdot \frac{\partial P}{\partial p} = \frac{1}{\partial x} \quad \frac{1}{12} \begin{bmatrix} 0.0025 & 0 & 0.006648 \end{bmatrix}$$

$$= \begin{bmatrix} 0.0144 & -0.00165 & 0.009148 & 0.006648 \end{bmatrix}$$

$$\frac{\partial L}{\partial x} = \frac{\partial L}{\partial q} = \frac{\partial P}{\partial p} = \frac{1}{\partial x} \begin{bmatrix} 1 & 1 & 0.0025 & 0 & 0.006648 \end{bmatrix}$$

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$$\frac{\partial L}{\partial x} = \frac{\partial L}{\partial q} =$$

- This is likely due to overfitting, making the model tailored to what it was trained with. The solution is
 to either decrease the amount of training data. Data augmentation and a wider amount of data
 would also aid in reducing the effects of overfitting.
- 2. False-Positive errors occur when the wrong data is marked as positive. This could be an issue in autonomous driving, where a shadow could be detected as an object, causing the vehicle to abruptly stop, which may lead to an accident.

False-Negative errors occurs when data is incorrectly marked as negative. This can have horrible consequences in cancer detection, where a patient is told they don't have cancer when they actually do.