

Problem 1

Visualize the similarity between different pairs of positional embedding and briefly explain the result.



Positional encoding 的用途是 encode position 的資訊，所以 position 比較近的 embedding 的 similarity 會比較高，反之比較遠則比較小，所以可以看到圖中對角線的 similarity 為 1。

Problem 2

Clip gradient norm and visualize the changes of gradient norm in different steps.
Circle two places with gradient explosion.

```
data = [x.item() for x in gnorm_record]
```

✓ 0.9s

```
plt.plot(data)  
plt.show()
```

✓ 0.1s

