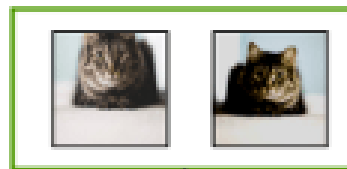


positive pair



Pair 1

Softmax =

$$\frac{e^{\text{similarity}(\text{cat}_1, \text{cat}_2)}}{e^{\text{similarity}(\text{cat}_1, \text{cat}_2)} + e^{\text{similarity}(\text{cat}_1, \text{elephant}_1)} + e^{\text{similarity}(\text{cat}_1, \text{elephant}_2)}}$$

positive pair

negative pairs