

Back propagation on cake.

Lost function = Bad taste = my cake - T.G.B. Cake.

~~(Lost function)~~ Lost function = L.F, Baking powder = B.P,
my cake = M.C, Final Batter = F.B, Choc chips = C.C,
Batter mix = B.M, Milk cream = M.Cr.

$$\rightarrow \frac{\partial(L.F)}{\partial(B.P)} = \frac{\partial(M.C)}{\partial(B.P)} - \frac{\partial(T.G.B)}{\partial(B.P)}$$

$$= \frac{\partial(M.C)}{\partial(F.B)} \times \frac{\partial(F.B)}{\partial(B.P)}$$

$$\frac{\partial(M.C)}{\partial(F.B)} = \frac{\partial(\text{Ovens}(F.B))}{\partial(F.B)} = \text{Ovens}(F.B)$$

$$\frac{\partial(F.B)}{\partial(B.P)} = \frac{\partial(B.P \times B.M + C.C)}{\partial(B.P)} = B.M$$

$$\rightarrow \frac{\partial(L.F)}{\partial(C.C)} = \frac{\partial(M.C)}{\partial(C.C)} = \frac{\partial(M.C)}{\partial(F.B)} \times \frac{\partial(F.B)}{\partial(C.C)}$$

↓
Ovens(F.B)

$$= \text{Ovens Final Batter} \times \frac{\partial(B.P \times B.M + C.C)}{\partial(C.C)} \rightarrow (1)$$

$$= \boxed{\text{Ovens F.B.}}$$

$$\rightarrow \frac{\partial(L \cdot F)}{\partial(M \cdot C)} = \frac{\partial(M \cdot C)}{\partial(M \cdot C)}$$

$$\frac{\partial(M \cdot C)}{\partial(P \cdot Z)} \times \frac{\partial(P \cdot Z)}{\partial(M \cdot C)}$$

$$\frac{\partial(M \cdot C)}{\partial(P \cdot Z)} = \frac{\partial(\text{oven}(B \cdot P \times B \cdot M + C \cdot C))}{\partial(P \cdot Z)}$$

$$= \frac{\partial(\text{oven}(B \cdot P \times \text{mix}(P_2) + C \cdot C))}{\partial P_2}$$

$$= \text{oven}'(F \cdot B) \times \text{mix}'(P_2) \times B \cdot P$$

$$\frac{\partial(P \cdot Z)}{\partial(M \cdot C)} = \frac{\partial(M \cdot C) \times F \cdot M + E}{\partial(M \cdot C)}$$

$$= F \cdot M + 0$$

$$\Rightarrow \boxed{\text{oven}'(F \cdot B) \text{mix}'(P_2) \times B \cdot P \times F \cdot M}$$

$$\rightarrow \frac{\partial(L \cdot F)}{\partial(V \cdot P)} = \frac{\partial(M \cdot C)}{\partial(V \cdot P)} = \frac{\partial(M \cdot C)}{\partial(P_1)} \times \frac{\partial(P_1)}{\partial(V \cdot P)}$$

$$\frac{\partial(M \cdot C)}{\partial(P_1)} \text{oven}'(F \cdot B) \times B \cdot P \times \text{mix}'(P_1) \times M \cdot C \times \text{mix}'(P_2)$$

$$\frac{\partial P_1}{\partial V \cdot P} = \frac{\partial(V \cdot P \times F + S)}{\partial(V \cdot P)}$$

$$= \pm 1 \text{ oven}$$

$$\Rightarrow \text{oven}'(F \cdot B) \times B \cdot P \times \text{mix}'(P_2) \times M \cdot C \times F \times \text{mix}'(P_1)$$

$$\Rightarrow \frac{\partial (\cancel{B} L \cdot F)}{\partial (S)} = \frac{\partial (M \cdot C)}{\partial (S)}$$

$$\Rightarrow \frac{\partial (M \cdot C)}{\partial P_1} \times \frac{\partial (P_1)}{\partial (S)}$$

$$\frac{\partial (P_1)}{\partial (S)} = \frac{\partial (V \cdot X F \cdot T S)}{\partial (S)}$$

$$\frac{\partial (L F)}{\partial (S)} = \text{Guen's } (F \cdot B) \cdot X B \cdot P \times \text{mix}'(P_2) \times \text{milk cream} \times \text{mix}'(P_1).$$