$$\frac{\partial o}{\partial w_0} = 1$$

$$\frac{\partial o}{\partial w_0} = \frac{1}{2} \text{ where } i = 1, 2, ..., n$$

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$$\frac{\partial o}{\partial w_0} = \frac{1}{2} \text{$$

1.2

$$C. h_{SCX} = \frac{1}{e^{x_{+1}}} = \frac{e^{x}}{e^{x_{+1}}},$$

$$h_{t(x)} = \frac{e^{2x} - 1}{e^{2x} + 1} = \frac{e^{2x} - 1}{e^{2x} + 1} = \frac{e^{2x} - 1}{e^{2x} + 1}$$

$$h_{t}(x) = h_{s}(2x) - (1 - h_{s}(2x)) = 2h_{s}(2x) - 1 = 2h_{s}(2x) - 1$$

assume $f_{s}(2x) = 2h_{s}(2x) - 1$

which is the originate

structure in a neural net.

Then we know helx) is only a linear transformation of hscx) with a constant bias. These differences can be easily matched with w and b,