

of
$$R(0) = \sum_{i=1}^{n} R^{i}(0)$$

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Back Impagation: The error at the output unde is back prepagated to find the partial derivative 2 R'(0), and thereby the gradient

$$O^{(r)} = O^{(r-1)} - \eta^{(r)} \nabla_{O^{(r-1)}} \cdot R(0)$$

$$O^{(r)} = O^{(r-1)} - \eta^{(r)} \nabla_{O^{(r-1)}} \left(\sum_{i=1}^{n} R^{i}(0) \right) - 2$$
learning rate

· O is randomly initialized to small values.

2 dmp