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Lecture 3 Question

What are the steps to compute the gradients of a node n_N using back-propagation algorithm?

a) topological ordering of graph

and for every node n_i , we need to evaluate the function $f_i(n_i)$

b) the gradient/derivative of node to itself is equal to 1 . i.e $((n_i)' = 1)$

and for every node till the last but one node, keep computing the partial derivatives of its children.

c) repeat option a and option b for every node

d) only option b is sufficient

Answer: option c