Here (1) is the loss at word j+1 of the tanget. We need to find the derivative This where hn is the hidden state at word n of source. So using the chain rule
we get: $\frac{\partial L_{j+1}}{\partial L_{j+1}} = \frac{\partial L_{j+1}}{\partial L_{j}} = \frac{$ The above equation represents that we need to apply chain rule from the loss of connent tanget word to the loss of the n+1 source word.

To find the shorotest backpropagation path we need to consider the dength of the sequences. Specifically, we need to donsider j'term of the target sequence and M(3) term of the source seavence (resuming mis) is the length of source seavence. So total terms on the shortest backpropagation=Mishn+j

Answer to the Question 4

For the attention model, the derivative of the d

Here cj is taken from the textbook (Einstein's book equation 18.33), where cj = \(\Sigma \) \(

So, コイナーコイナーコミッペン

As we one differentiating the second term with respect to Zh, second the shortest path we don't need in the shortest path so, the shortest to consider is a second to consider it consider is a second to consider it consider is a second to consider it consider it consider it considers it co