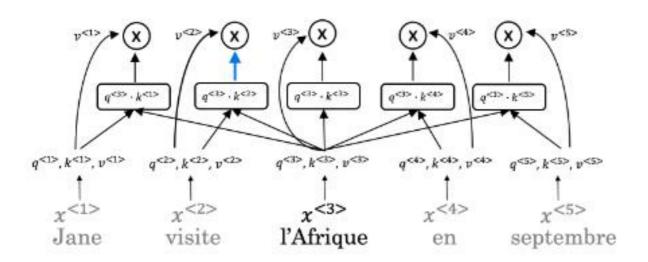


1/1 point





- Selecting the maximum word values to map the Attention related to that given word.
- Selecting the minimum word values to map the Attention related to that given word.
- Summation of the word values to map the Attention related to that given word.
- Multiplication of the word values to map the Attention related to that given word.



(Correct

Given a word, its neighboring words are used to compute its context by summing up the word values to map the Attention related to that given word.

 $Attention(Q, K, V) = softmax(\frac{QK^T}{\sqrt{dz}})V$

- (e) k
- 0.9
- 0
- () v

Expand

(Correct

 \boldsymbol{k} is represented by the $\boldsymbol{?}$ in the representation.

1/1 point

6. Attention($W_i^Q Q, W_i^K K, W_i^V V$)

i here represents the computed attention weight matrix associated with the ith "word" in a sentence.

- O True
- False

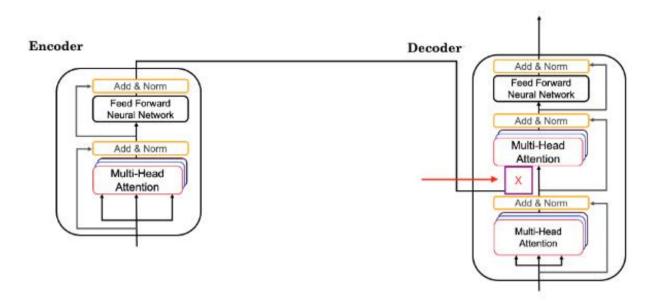


✓ Correct

Correct! $\it i$ here represents the computed attention weight matrix associated with the $\it ith$ "head" (sequence).

7. Following is the architecture within a Transformer Network (without displaying positional encoding and output layers(s)).

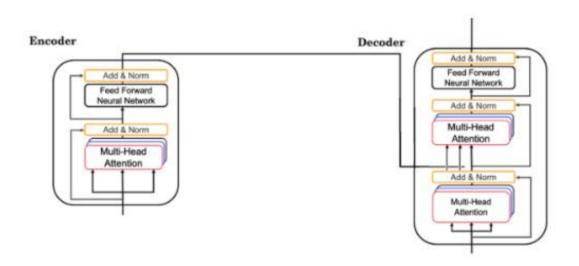
1/1 point



What information does the Decoder take from the Encoder for its second block of Multi-Head Attention? (Marked X, pointed by the independent arrow)

(Check all that apply)





What does the output of the encoder block contain?

- Contextual semantic embedding and positional encoding information
- Linear layer followed by a softmax layer.
- Prediction of the next word.
- Softmax layer followed by a linear layer.

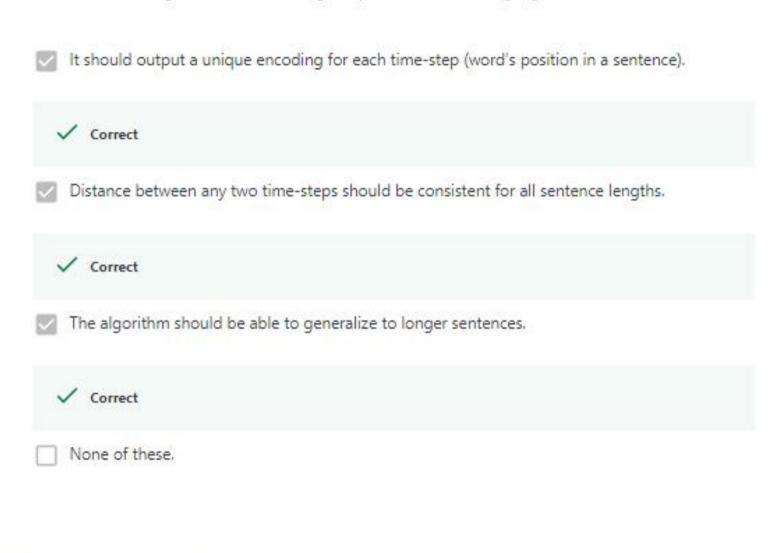


○ Correct

The output of the block contains contextual semantic embedding and positional encoding information.

model.

1/1 point





Correct
Great, you got all the right answers.