Which of the following is NOT a task typically associated with natural language processing? translation summarization finding entities image segmentation	Which of the following is NOT true about a self attention layer?  The parameter count does not increase with the number of words in the input text  The parameter count does not increase if we use longer word embeddings  It can retain position information using positional encoding  It can generate output of the same size as the input
A word embedding converts a word into what?  an integer  a floating point number  a string  a vector	Let $a[x_n,x_m]$ denote the contribution of the value $v_m$ to the output $sa[x_n]$ of self-attention at position n. What of the following statements about $a[x_n,x_m]$ is FALSE? $a[x_n,x_m] \geq 0$ $a[x_n,x_m] \leq 1$ $\sum_{m=1}^N a[x_n,x_m] = 1$ $\sum_{n=1}^N a[x_n,x_m] = 1$
Consider a multi-head self-attention layer with H heads and input size D x N. What size output does the first head compute?  D x N  D/H x N	7 Which of the following is a tokenization algorithm? positional encoding byte pair encoding
D×N/H D/H×N/H	one hot encoding multi hot encoding

What does the "T" in "GPT" stand for?

Transformer

Tensorflow

Tensor

Tape

Which of the following is NOT a component of a transformer layer?

Convolution

self attention

residual connections

layer norm

-	-
Τ,	
	t modification of regular self-attention is used in training an autoregressive language el like GPT3?
0	masked self-attention
	low rank self-attention
$\bigcirc$	sparse self-attention
$\bigcirc$	fast self-attention
1.	
(0	
Wha	at is a good working definition of a "large" language model (LLM)?
0	greater than 100B parameters
	greater than 100K parameters
$\bigcirc$	greater than 100M parameters
$\bigcirc$	greater than 100T parameters