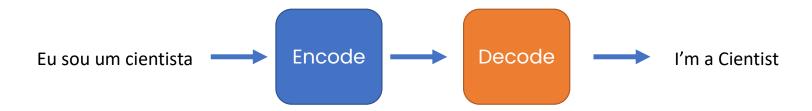
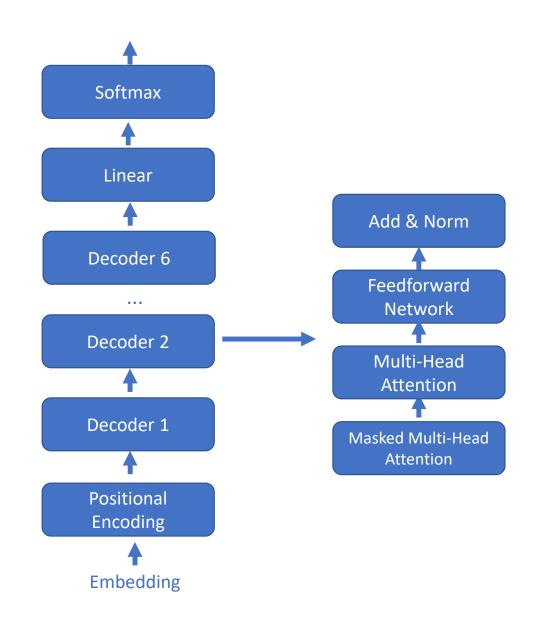
Decoder



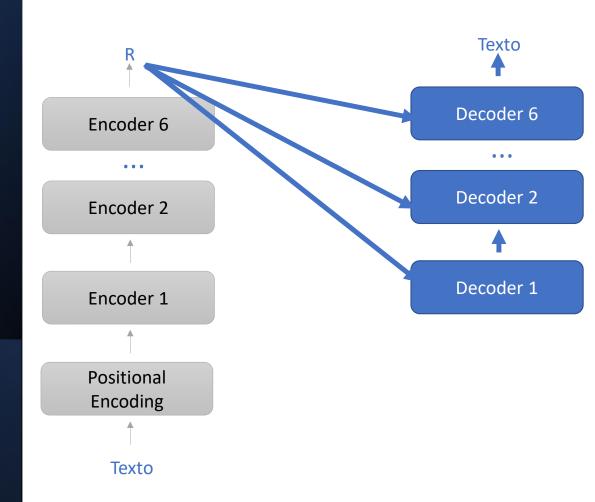


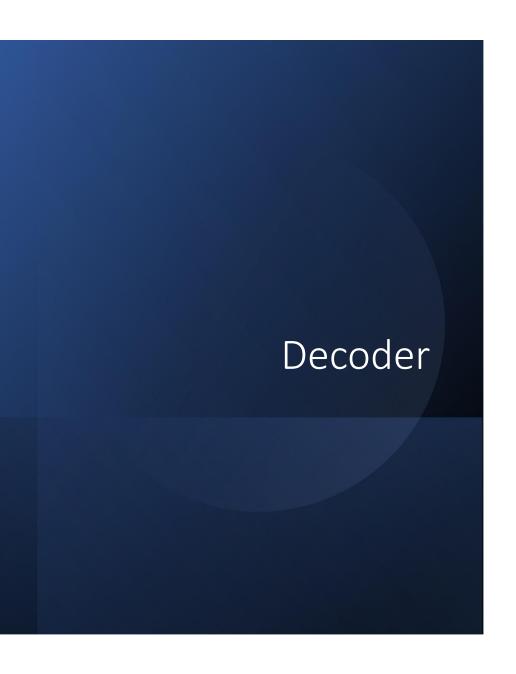
Também são camadas empilhadas

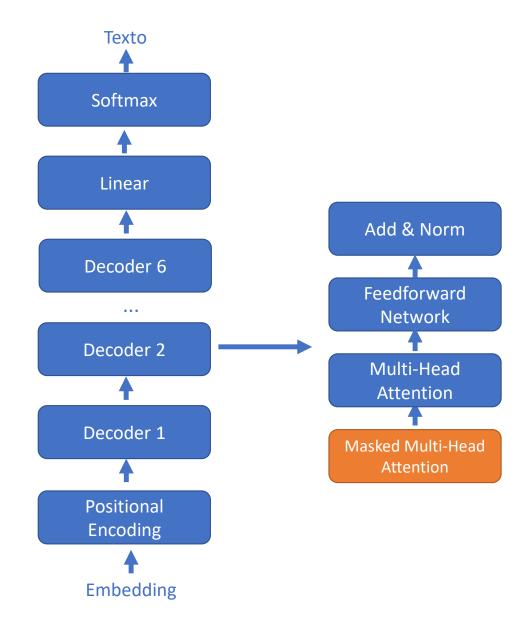
Também ocorre a conversão para embedding e positional encoding



- Cada Decoder recebe 2 entradas:
 - decoder anterior
 - a saída do encoder
- A conexão é com o elemento Multi-head attention do decoder







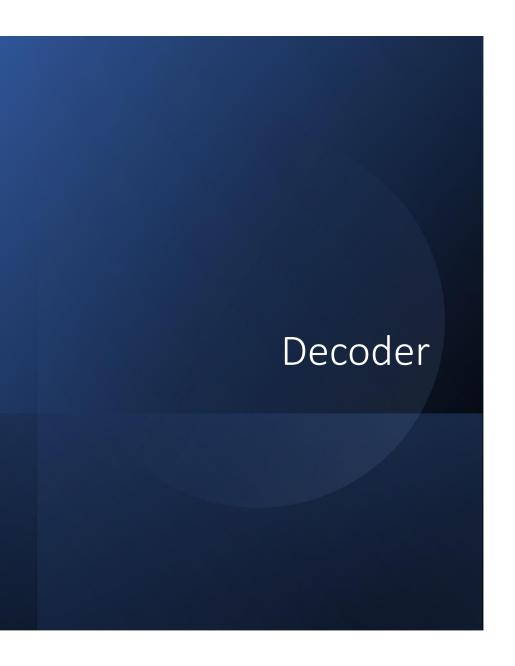
Masked Multi-Head Attention

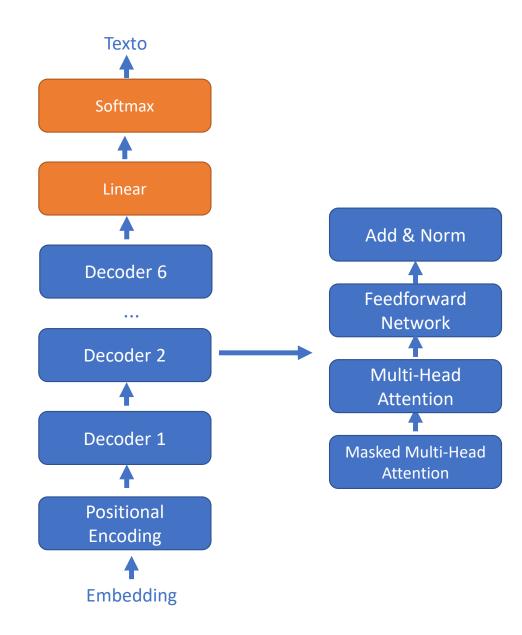
- <sos> Start of sentence
- <eos> End of sentence
- <sos> + "prever primeira sentença:" The
- <sos> + The "prever próxima:" animal
- <sos> + The + animal + ... + <eos>

Masked Multi-Head Attention

Palavras a direita são mascaradas, de forma incremental...

	The	Animal	Didn't	cross	the
The	0,9				
Animal	0,57	0,79			
Didn't	0,61	0,08	0,79		
cross	0,79	0,39	0,60	0,39	
the	0,60	0,57	0,39	0,57	0,39







- Linear produz um vetor com o tamanho do vocabulário
- Softmax produz as probabilidades
- Decoder gera as palavras com maior probabilidade