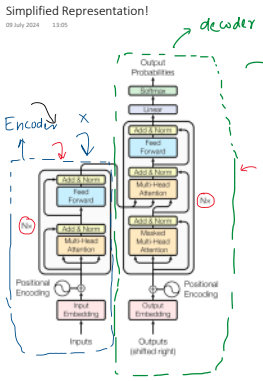
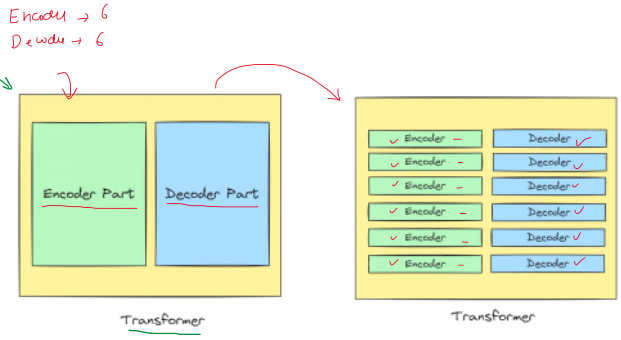
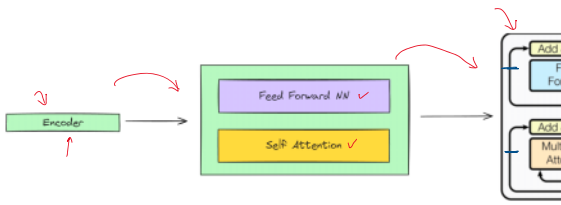
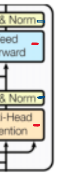
Simplified Representation!

09 July 2024 13:05





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& Norm
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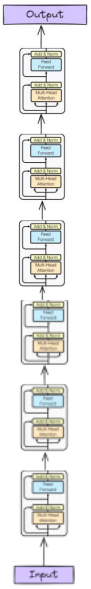
Output
Input

Encoder Architecture

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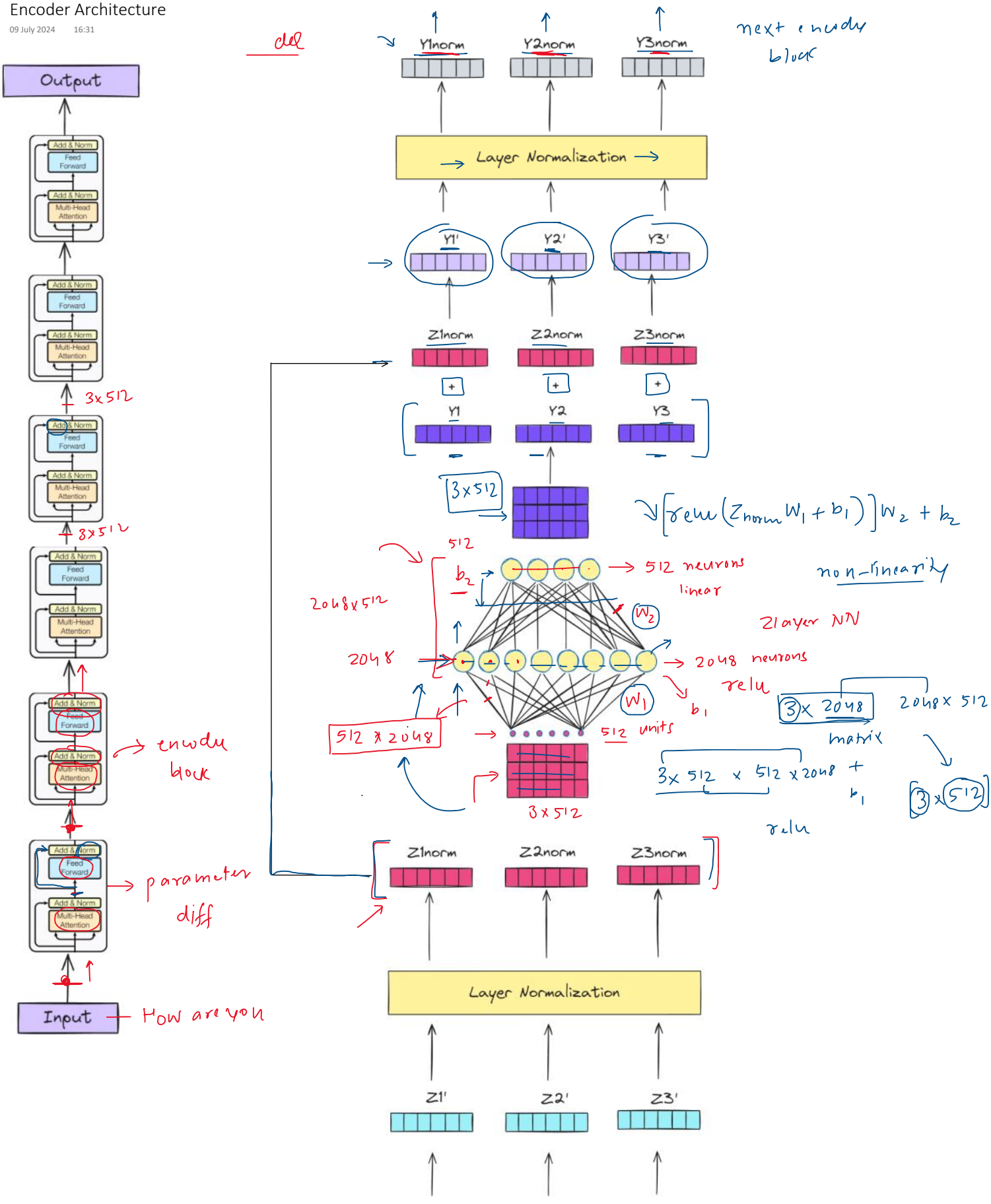
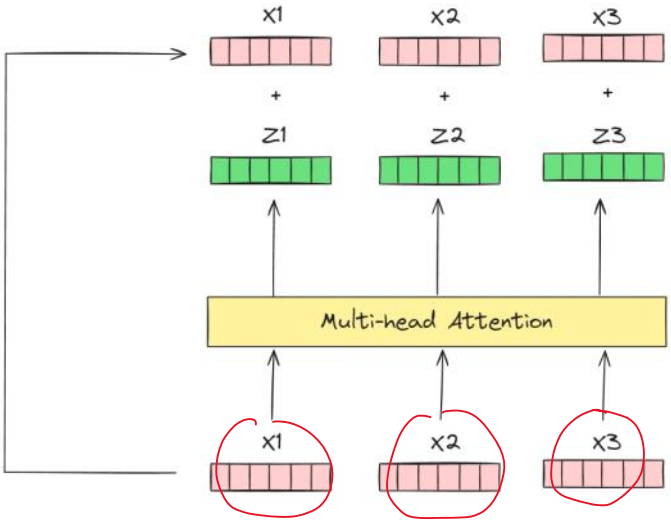
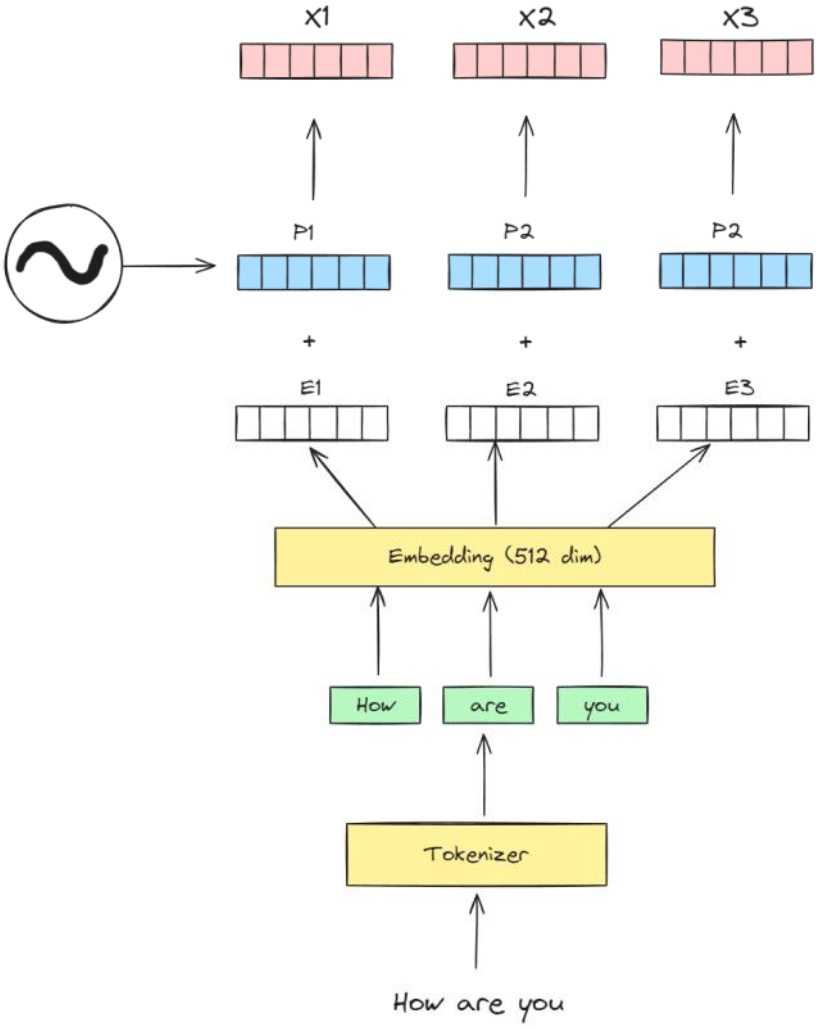



X1
X2
X3
+
+
+
Z1
Z2
Z3
Multi-head Attention
X1
X2
X3


X1
X2
X3
P1
P2
P2
+
+
+
E1
E2
E3
Embedding (512 dim)
How
are
you
Tokenizer
How are you

Some questions

09 July 2024 20:48

1. Why use residual connections? → Kaggle → comment
2. Why use a FFNN?
3. Why use 6 encoder blocks?

alternate

gradient flow

relu

non-linearity

scratch pytorch

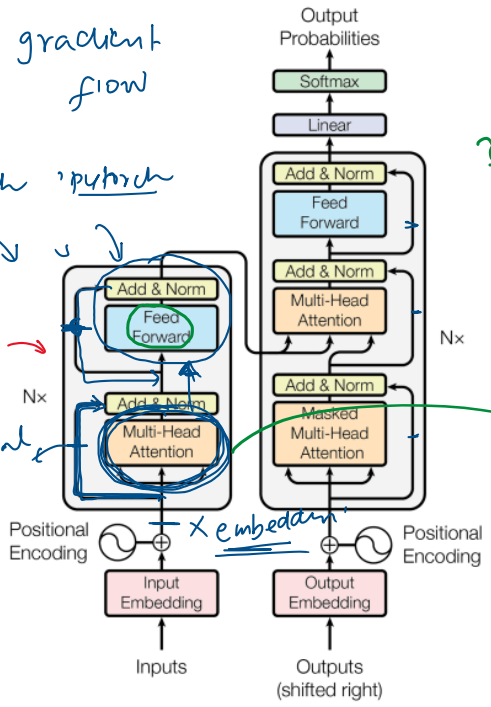
language → complex

1) stable training — deep NN

ResNet

vanishing Grad

residual



linear

× embedding

2)