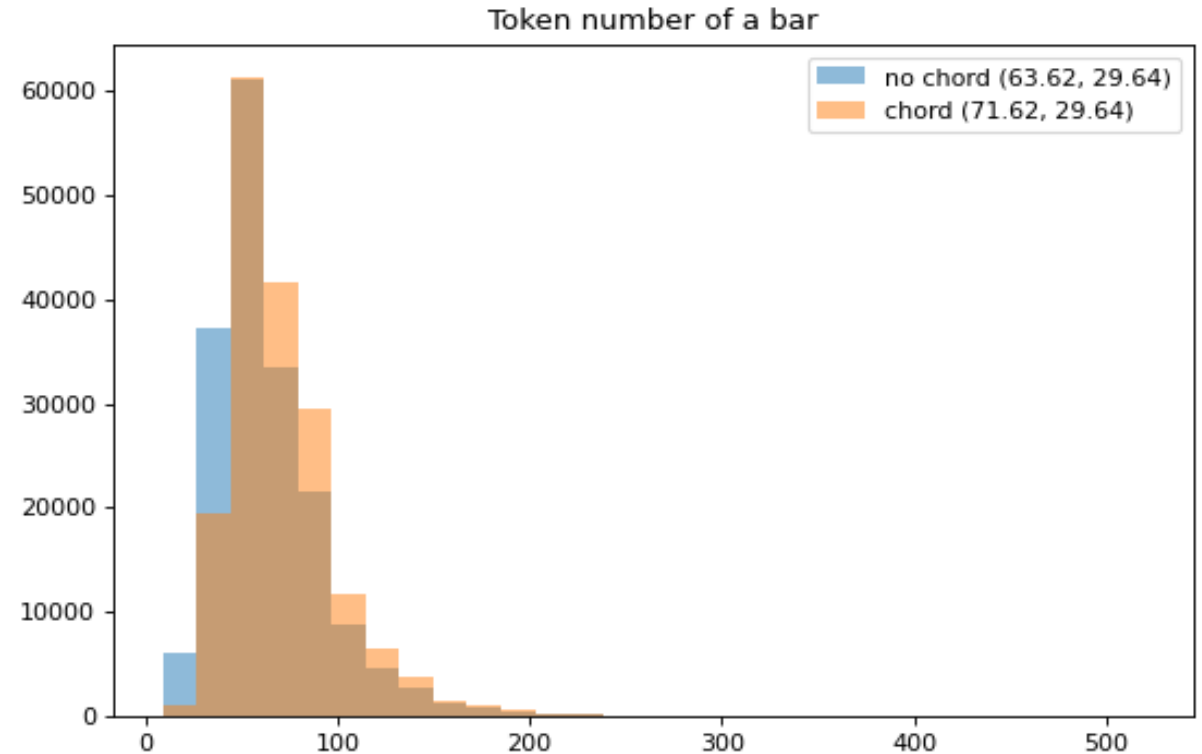


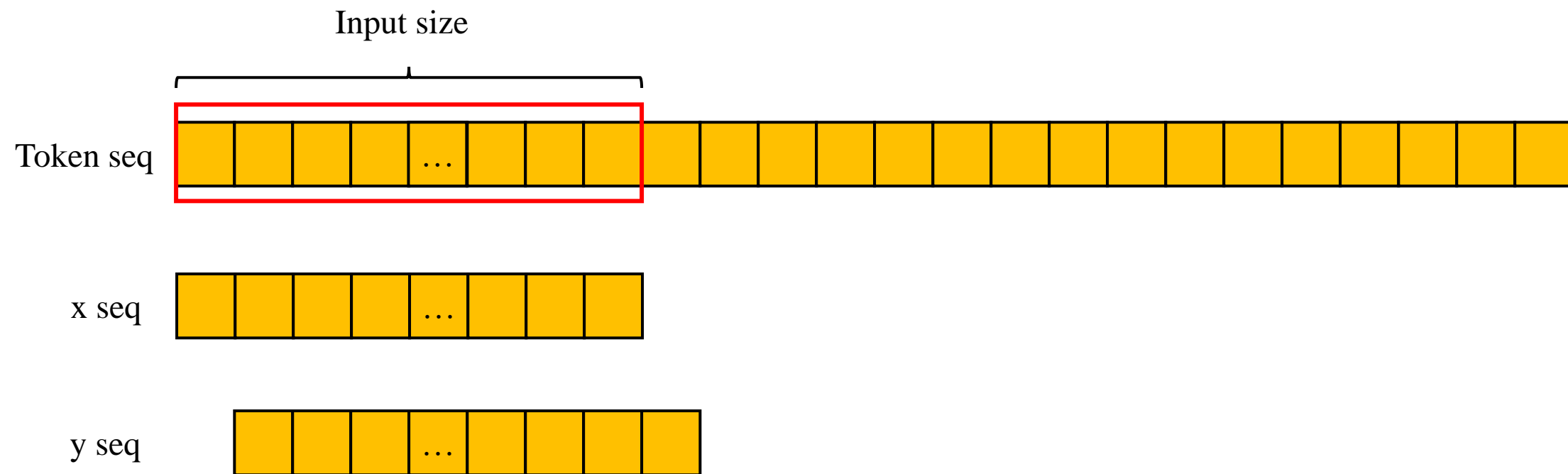
Hw tips

Some statistical data

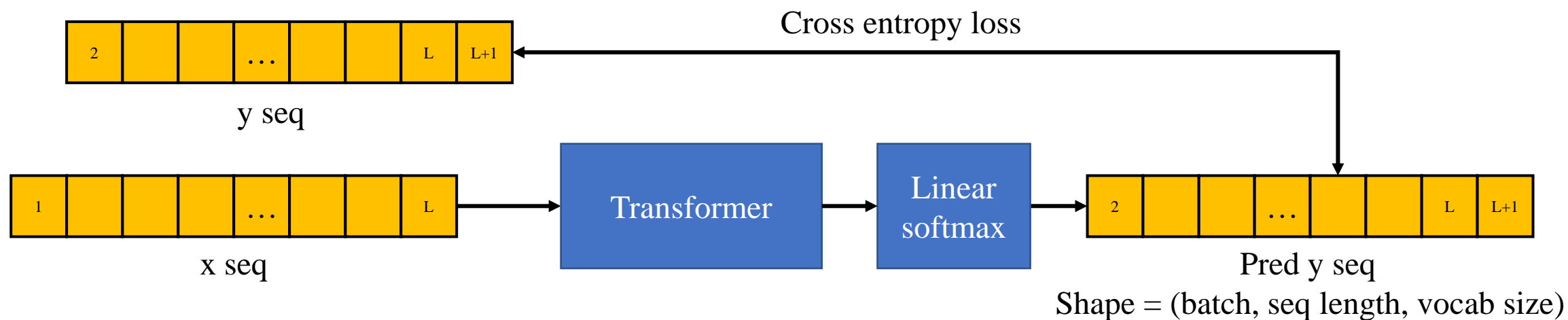
The generation results are required to be 32 bars. Take a look at the token number of one bar of pop1k7 dataset. 32 bars means you need to generate 2048 (32×64) tokens in average, which means that you need to assure that the input size in model config is large than 2048.



For general transformer



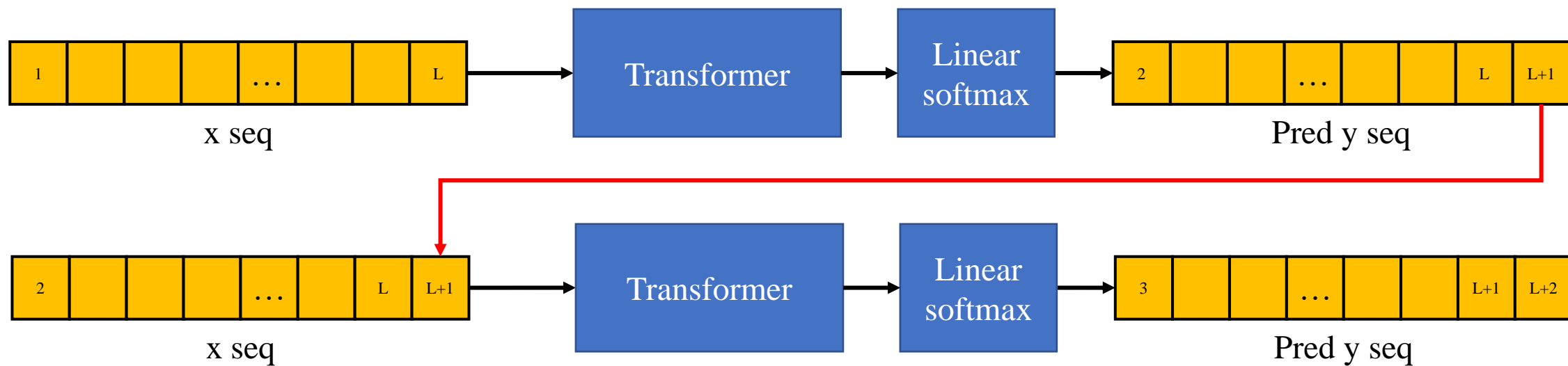
For general transformer



For general transformer

If you want to generate from scratch, you need randomly select the prompt.

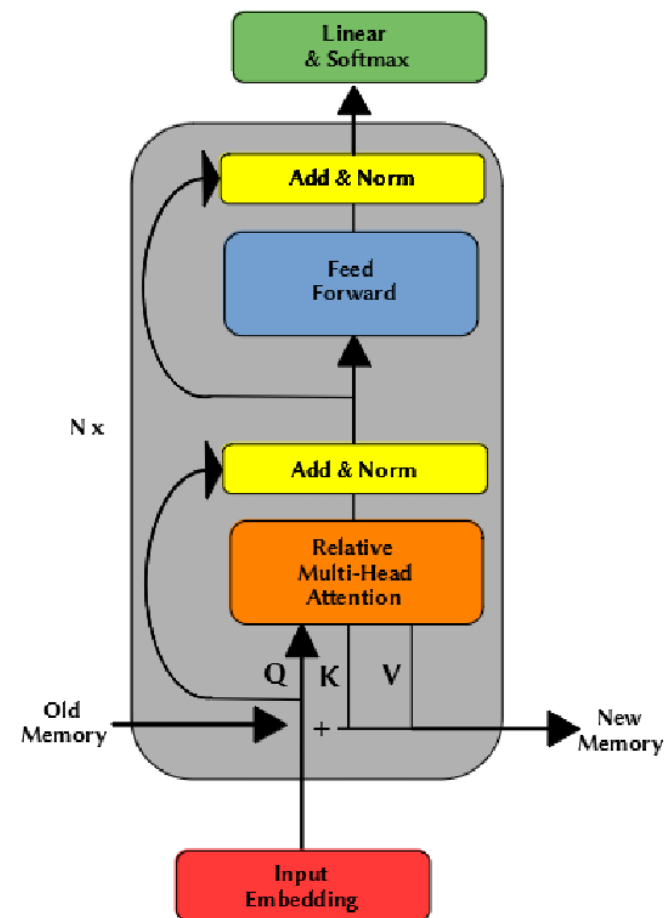
[Bar, Position_1/16, Tempo_class, Tempo_value]



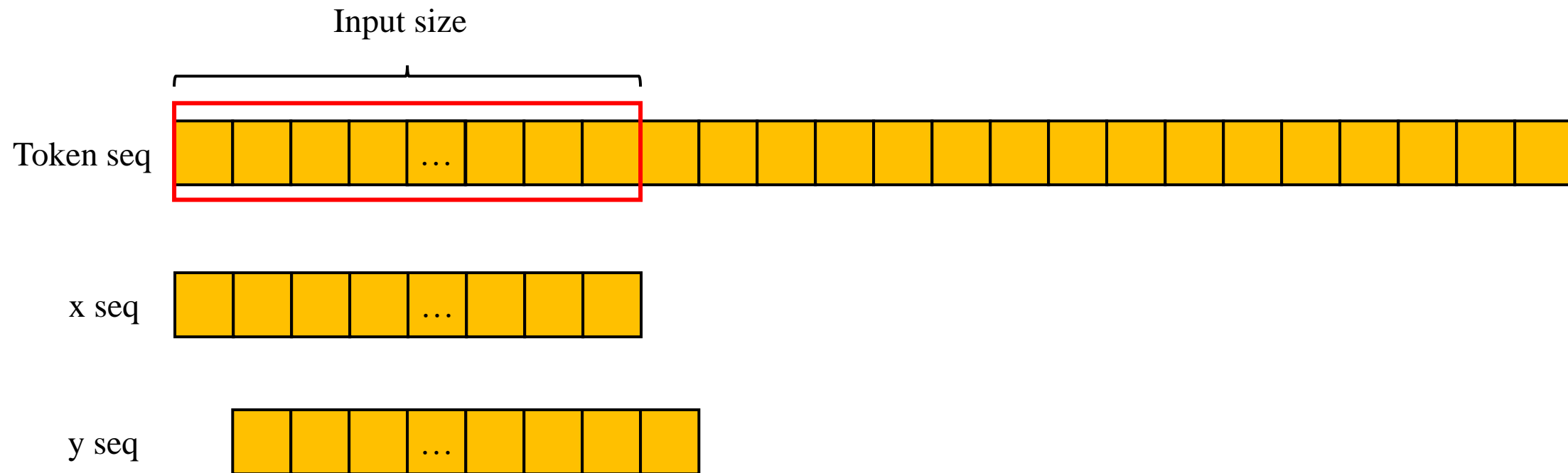
In inference phase the speed of transformer is quite slow.

For transformer XL

- Segment Level Recurrence
- Relative Positional Encoding
- Memory



For transformer XL



Need to group the data pairs.

For general transformer

If you want to generate from scratch, you need randomly select the prompt.

[Bar, Position_1/16, Tempo_class, Tempo_value]

