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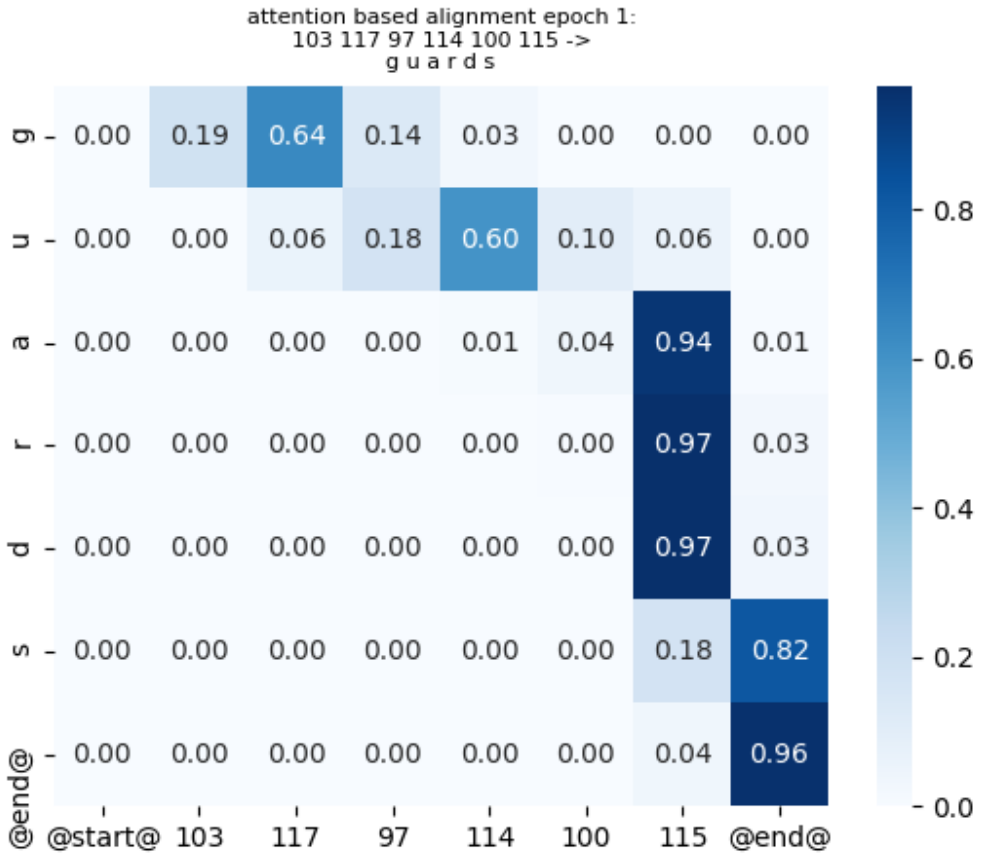
Part 3

Here are all the images of the attention data.



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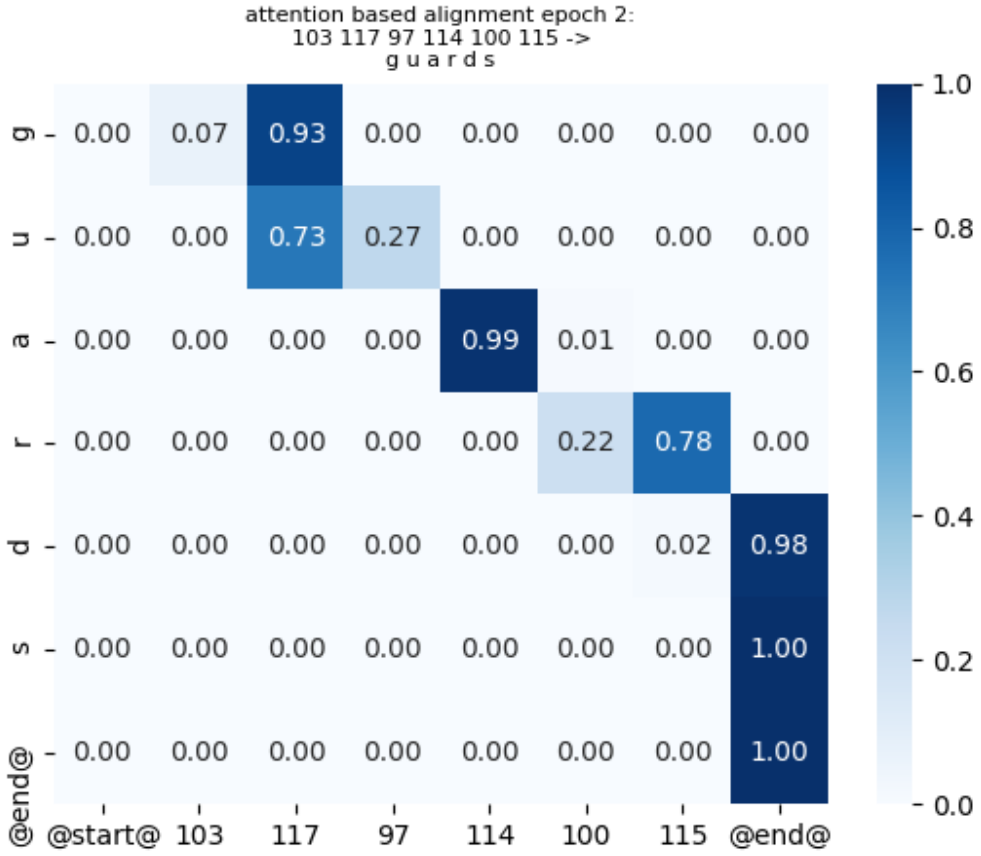

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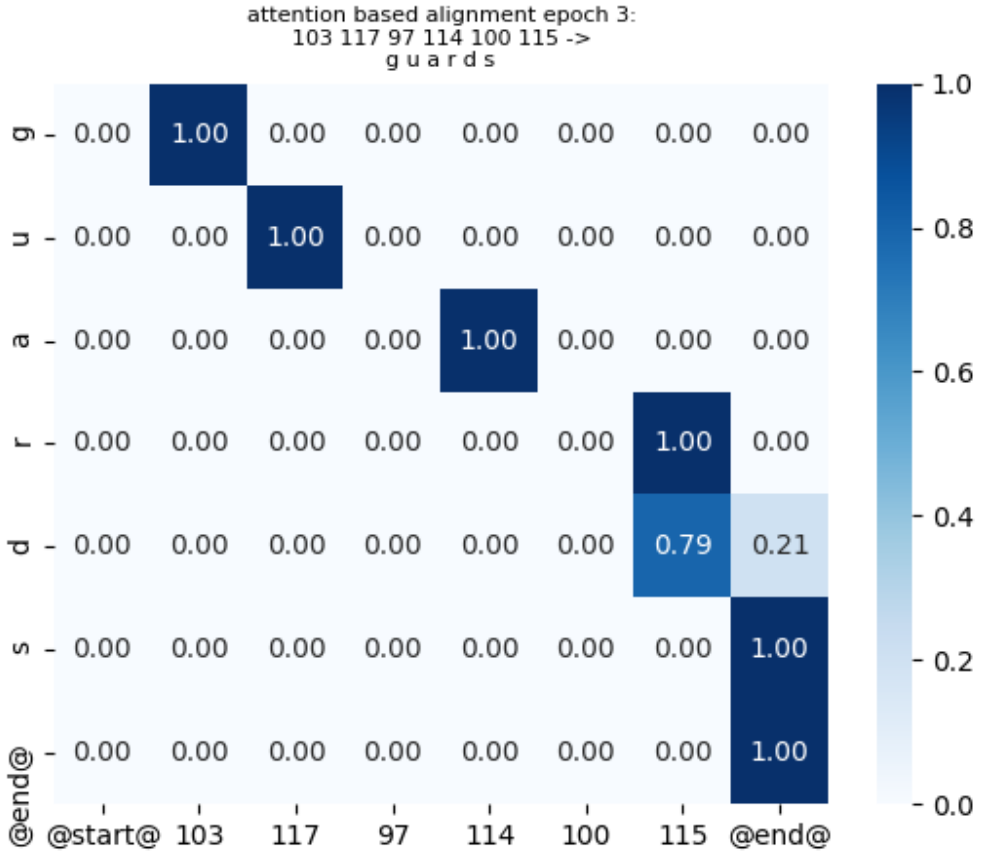

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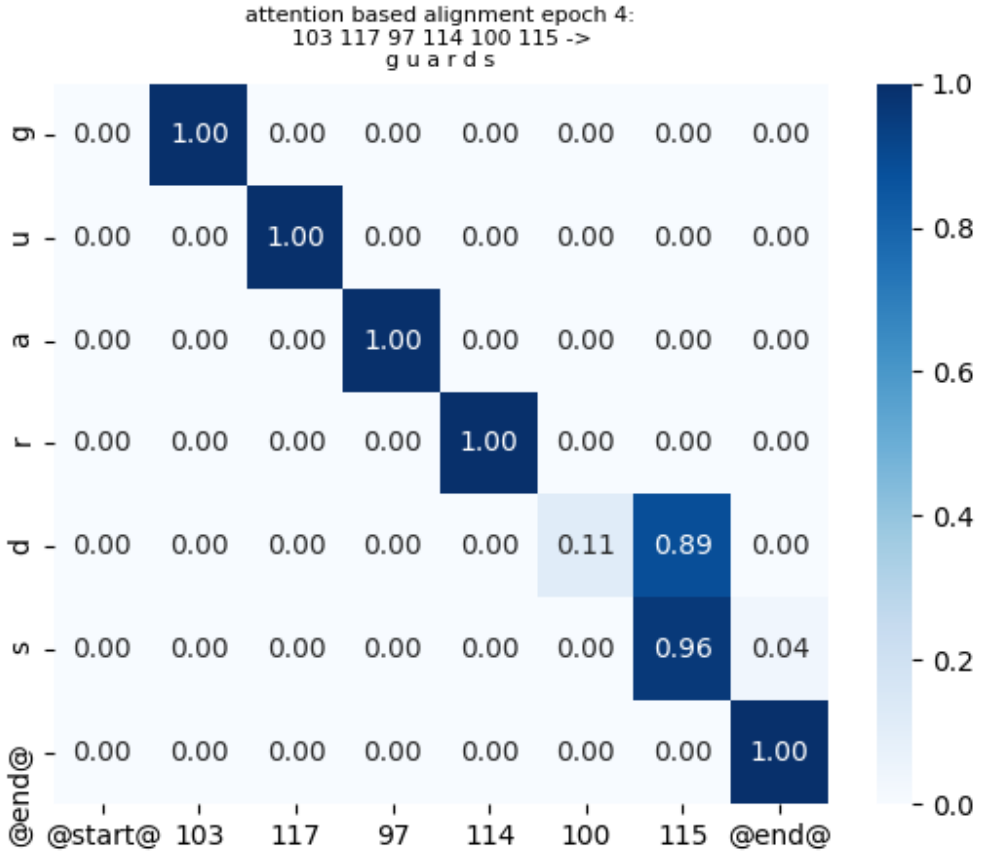

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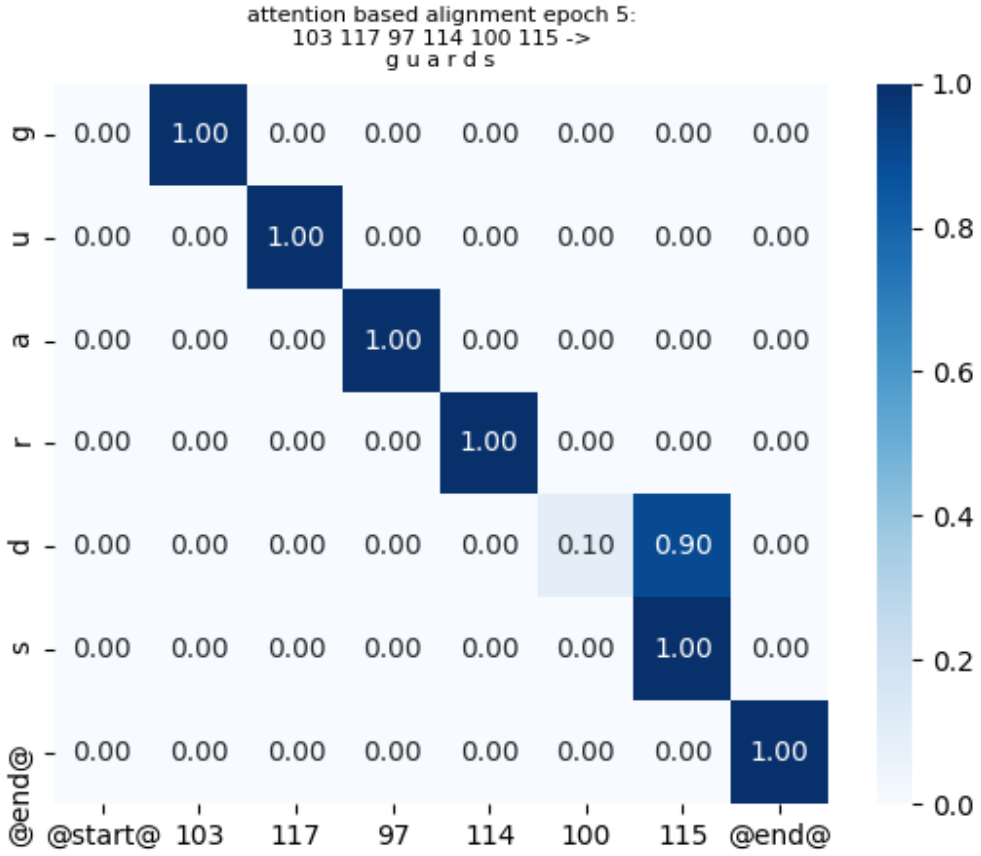

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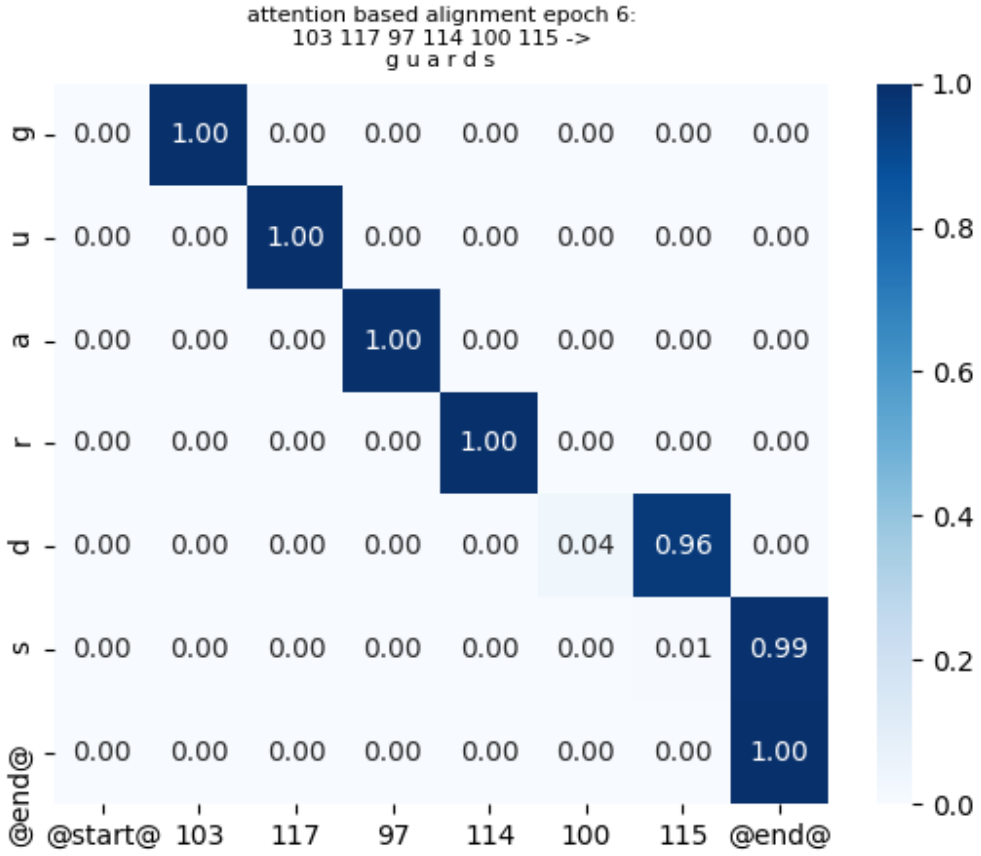

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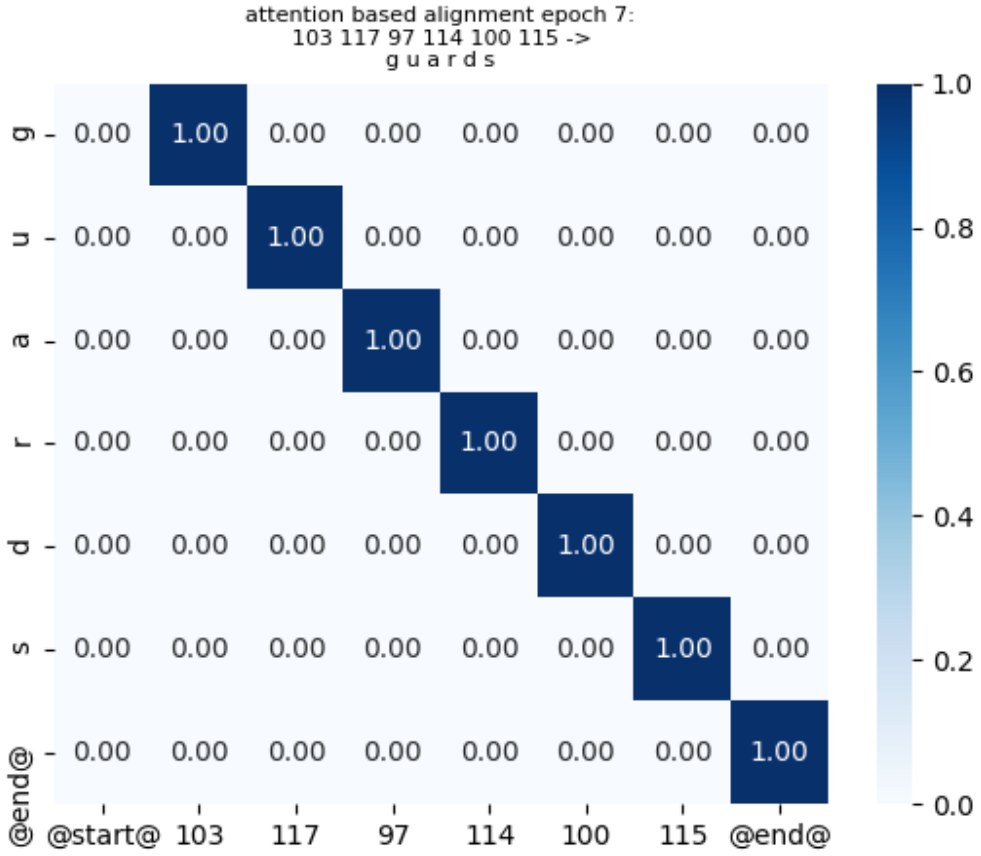

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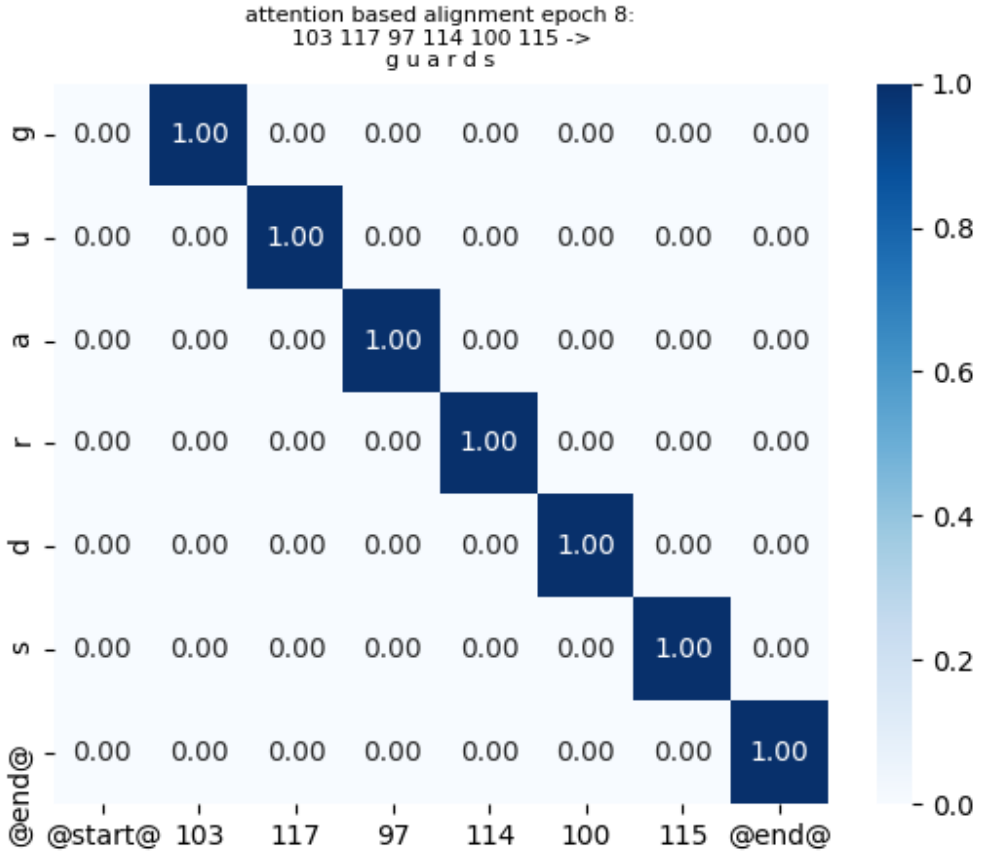

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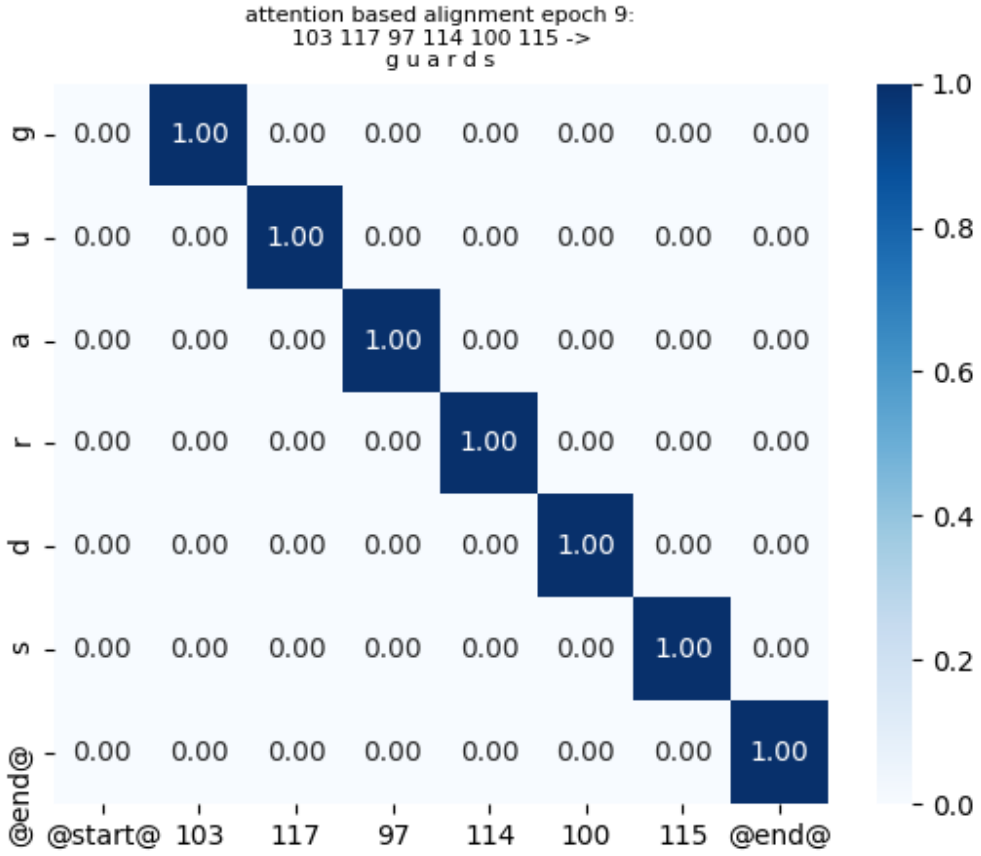

Ofer Sabo
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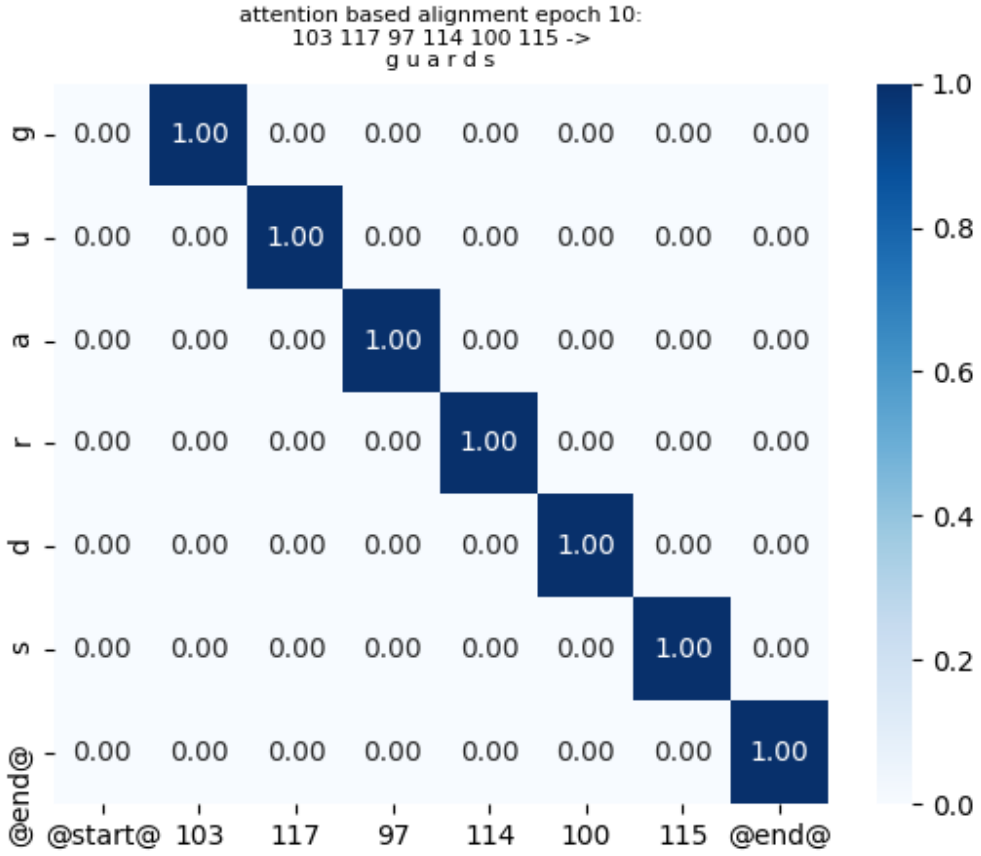

Question:

Describe how the attention visualization changes during training. How would you explain that?

Answer:

As can be seen in these figures the attention throughout the training shifts towards the matrix diagonal. This is necessary because we know as “domain experts” the each token as a direct mapping from source to target and the context of the other tokens is irrelevant. Thus, we would expect the attention to be only at the diagonal as we see in the figures from the last few epochs.