2.d) ii.

If midd not are marking, the loss would mirrore, nince me mould be adding M-T turns of the form $\hat{g}^{(E)}$, L>T.

Also, the gradient mould change. As we saw before, if $\hat{g} = \text{noftmose}(\theta)$ and J = CE loss, $\frac{\partial J}{\partial \theta} = (\hat{g} - y)$. No not only by box of J in the "NULL position, but if is filled with nangue elements as well. This first war of backpuspagates and well and up offerting most parameters gradients.

Mosking robes the problem by baring on $m^{(t)} = L\{t \leq T\}$ multiplying each term of the loss (and, thus, the gradients), for each pass t = 1, ..., M. That would not to θ both loss and quadrients for t = T + 1, ..., M for $(\pi^{(t)}, \pi^{(t)})$, whing the issue (i.e., the new quadrients and loss would be equivalent as if we didn't do the augmentation).