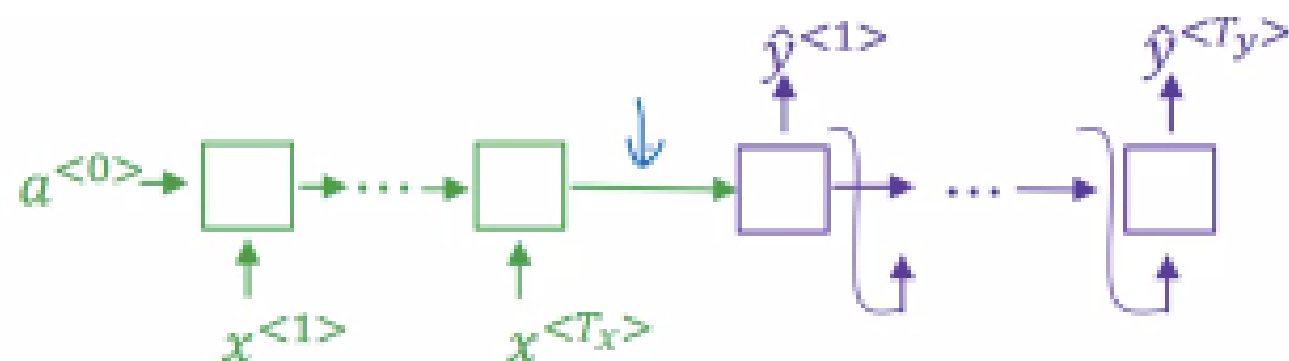
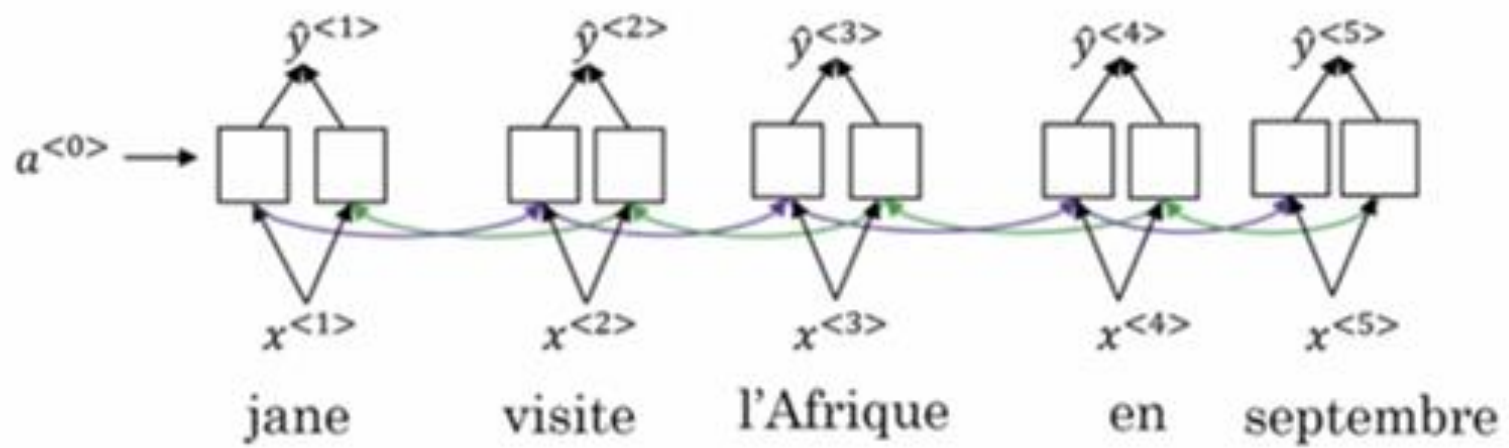


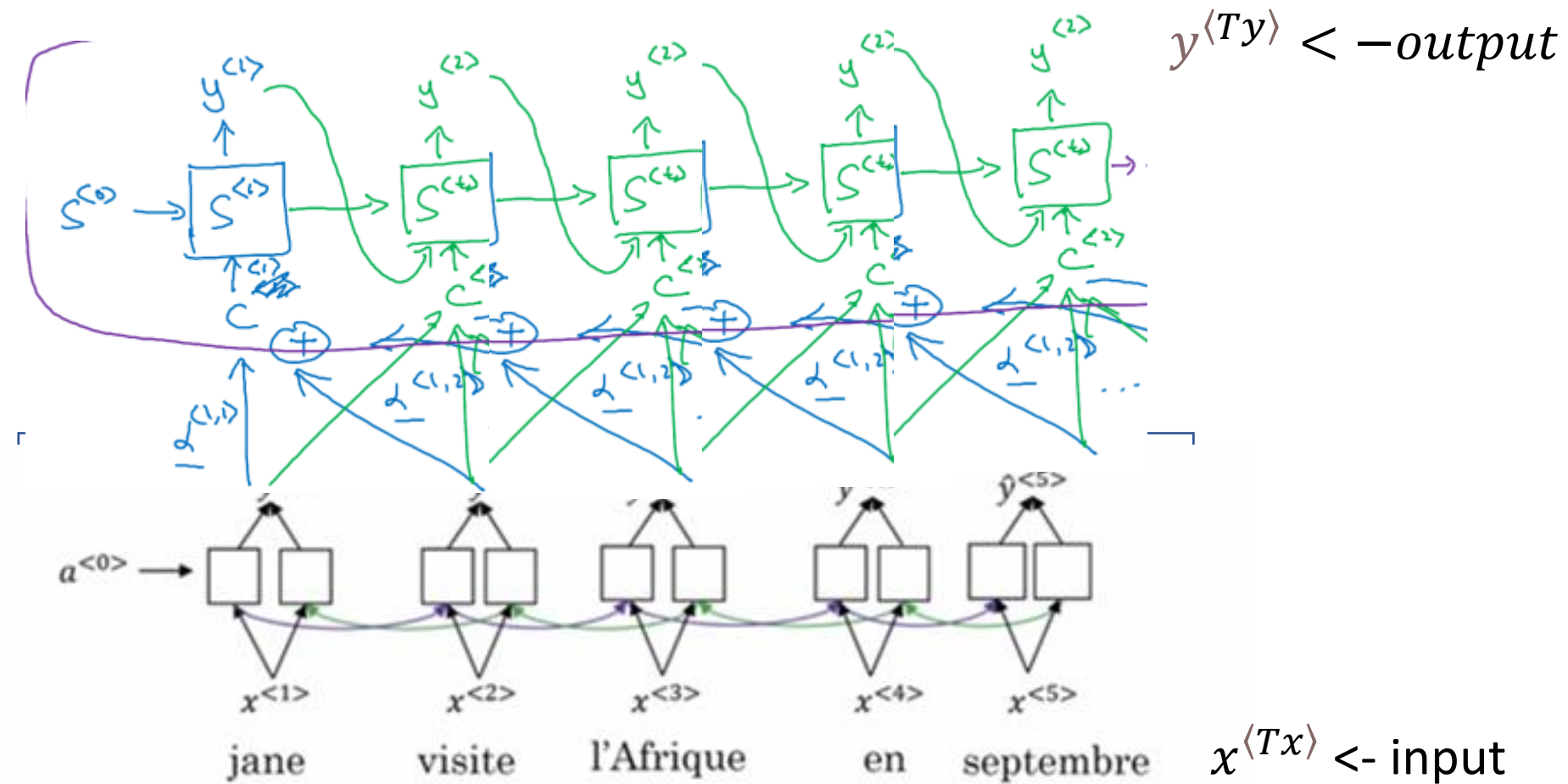
Attention Model

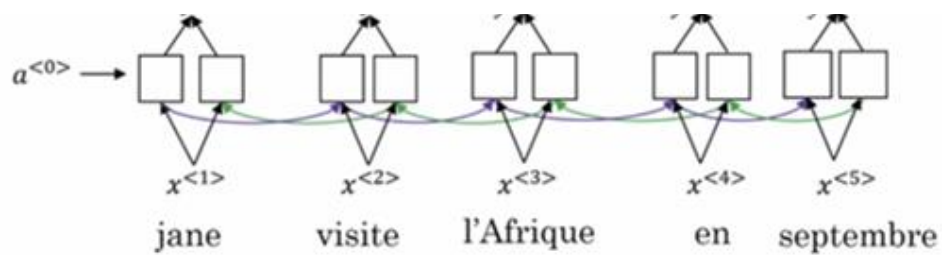
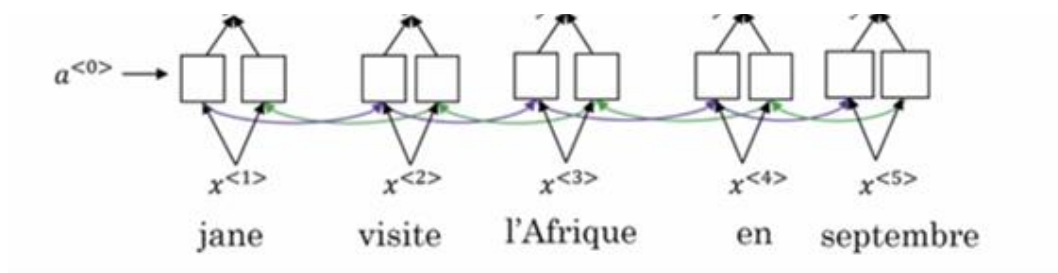
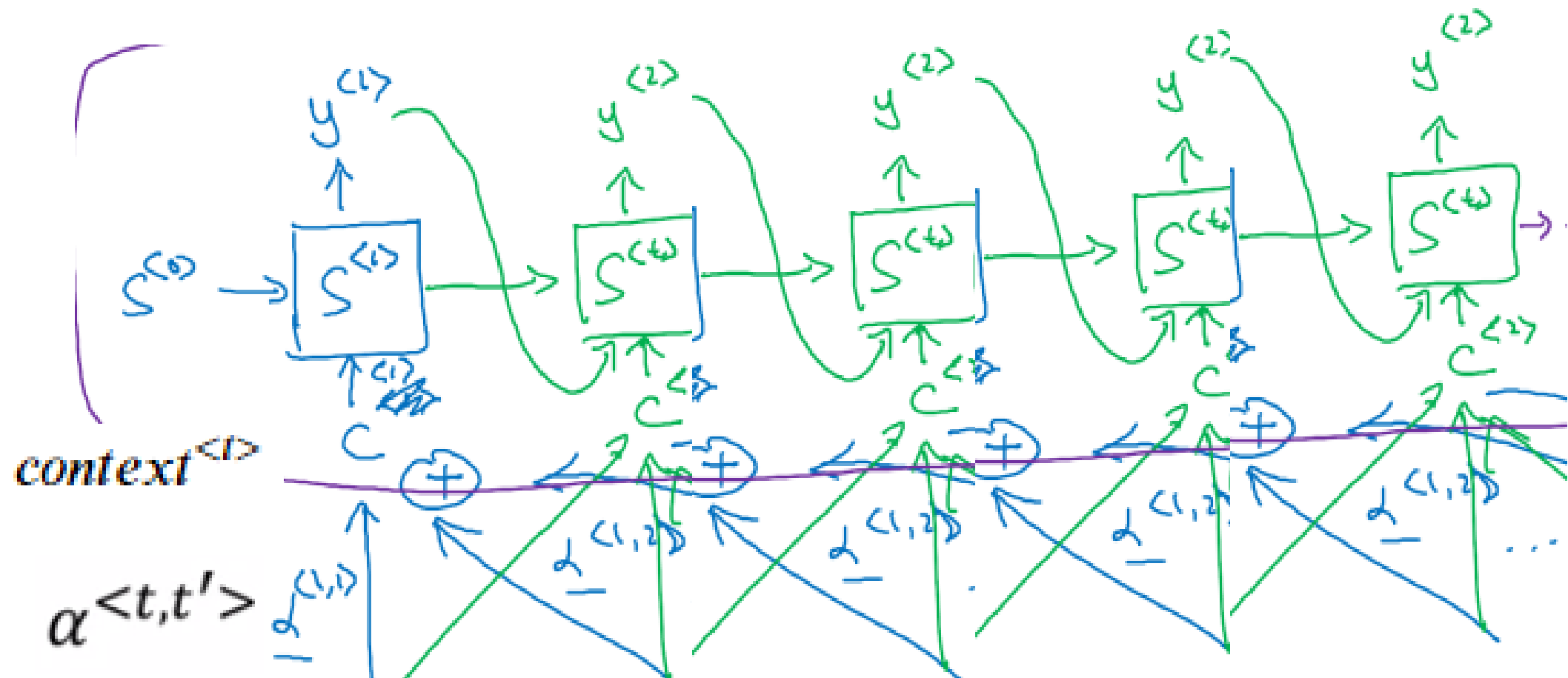
Jane went to Africa last September, and enjoyed the culture and met many wonderful people; she came back raving about how wonderful her trip was, and is tempting me to go too.



Jane s'est rendue en Afrique en septembre dernier, a apprécié la culture et a rencontré beaucoup de gens merveilleux; elle est revenue en parlant comment son voyage était merveilleux, et elle me tente d'y aller aussi.



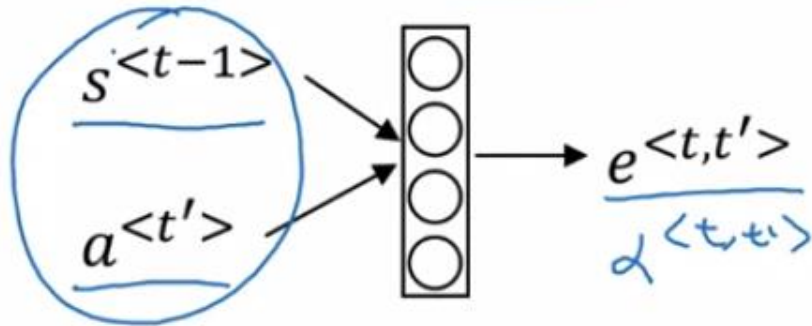




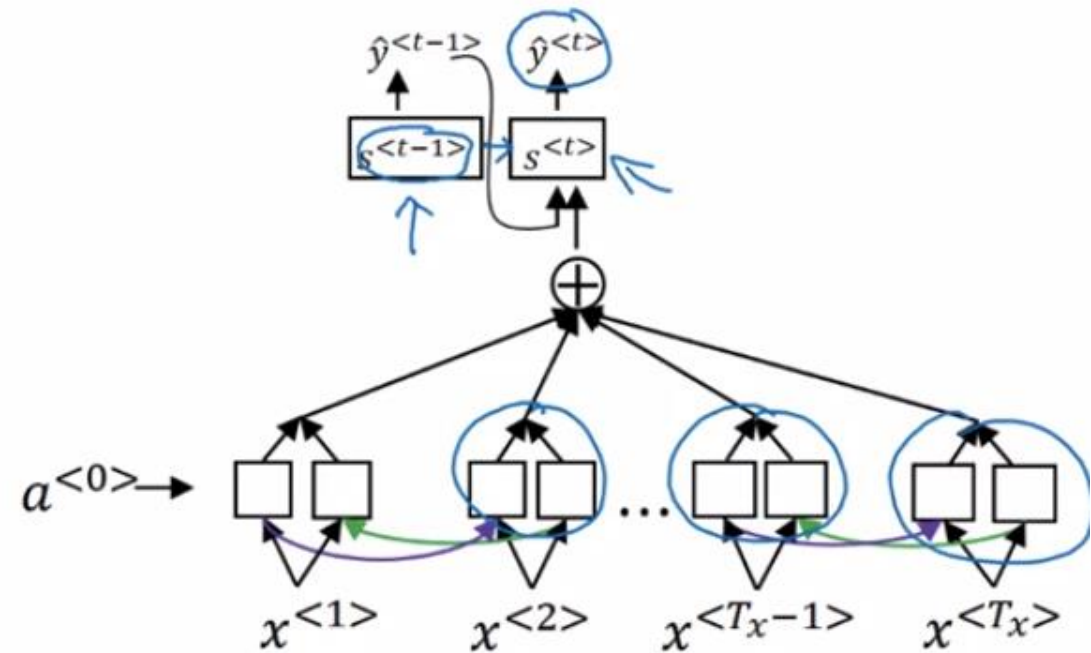
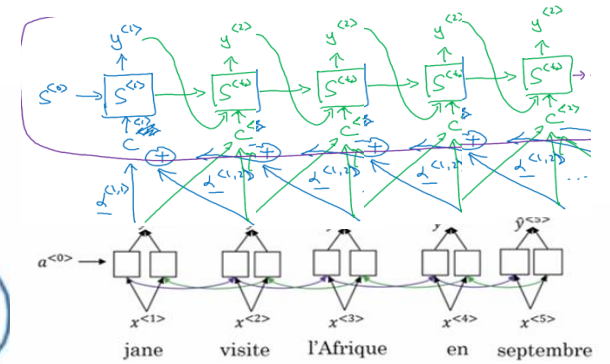
Computing attention $\alpha^{<t,t'>}$

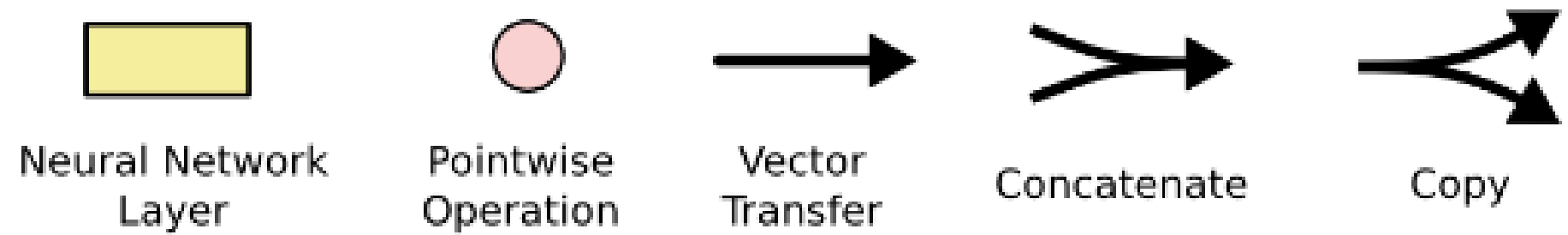
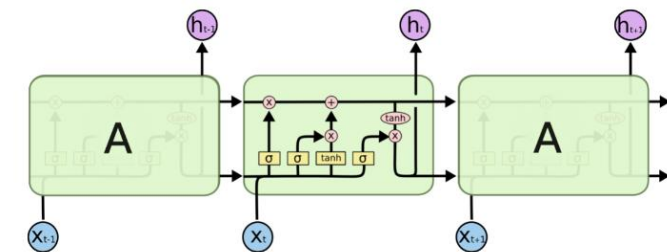
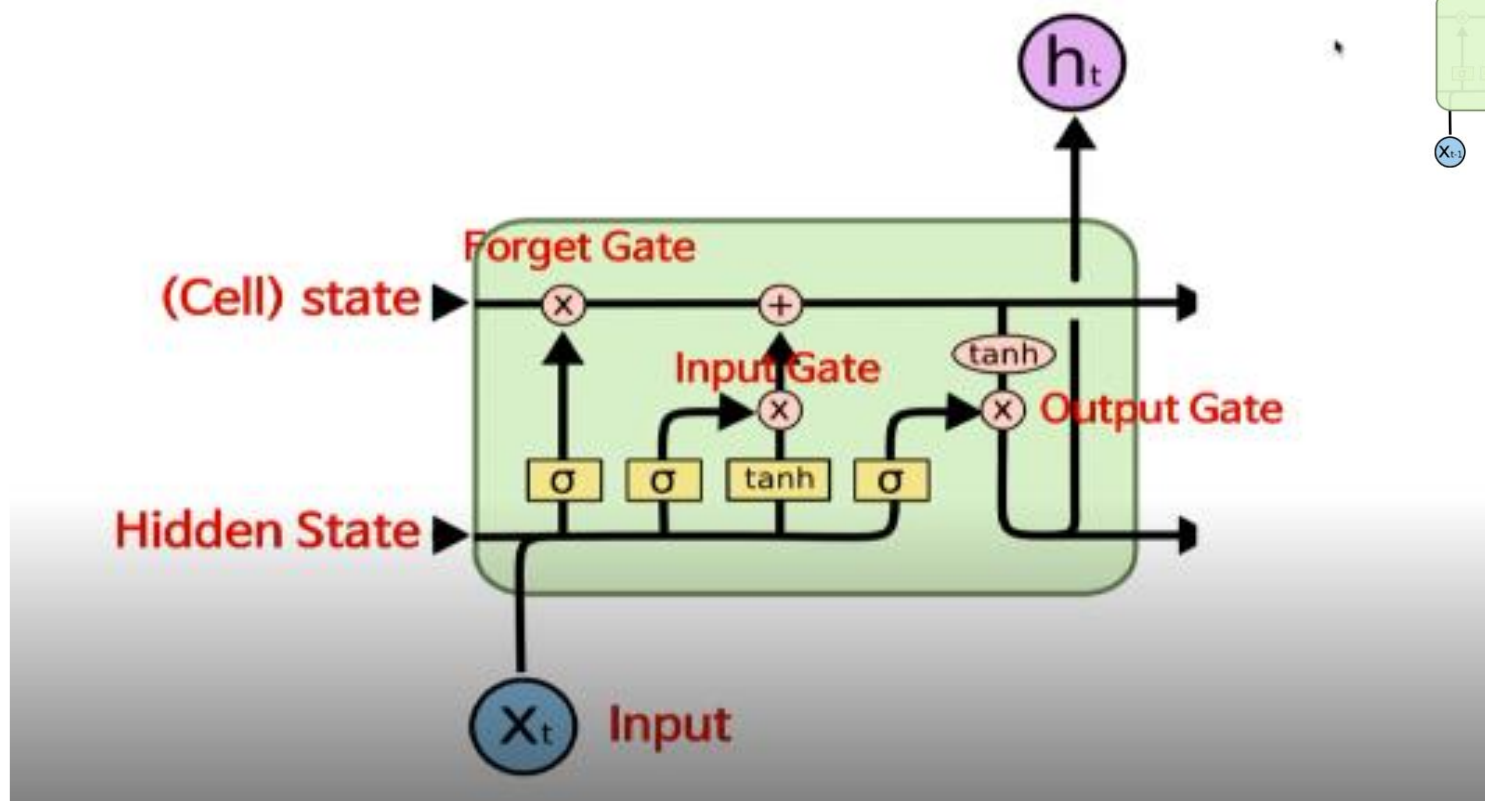
$\alpha^{<t,t'>}$ = amount of attention $y^{<t>}$ should pay to $a^{<t'>}$

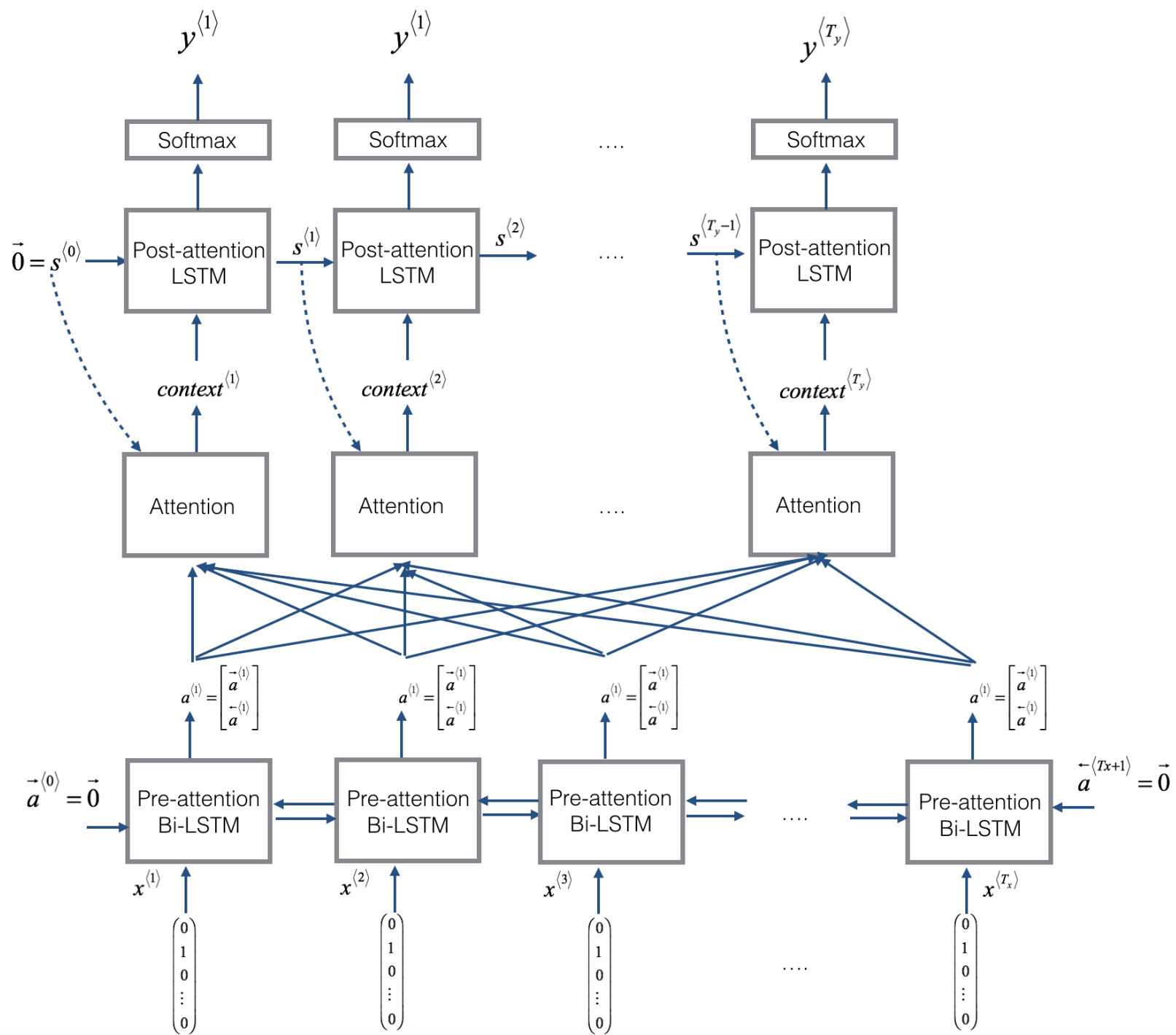
$$\alpha^{<t,t'>} = \frac{\exp(e^{<t,t'>})}{\sum_{t'=1}^{T_x} \exp(e^{<t,t'>})}$$

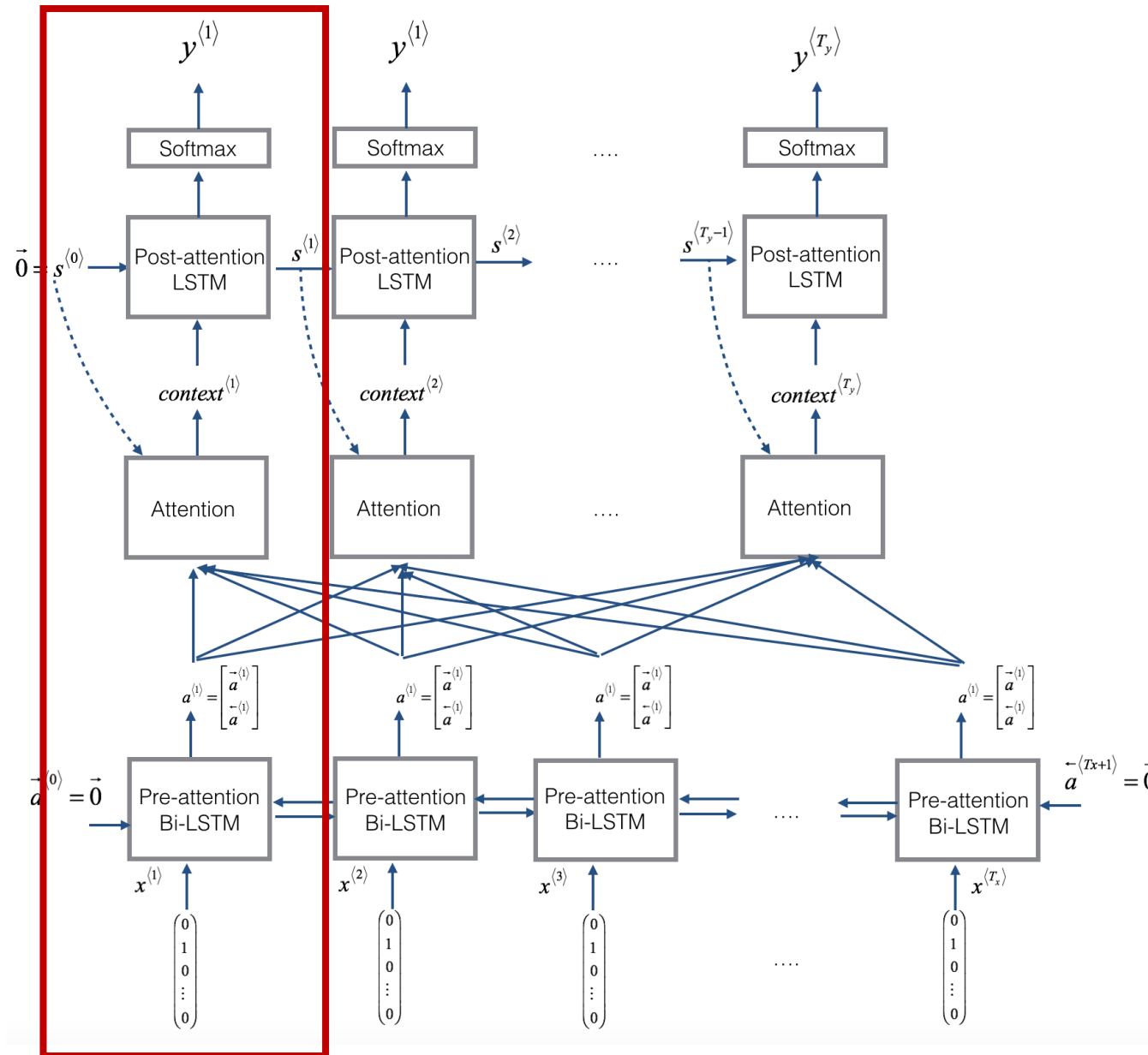


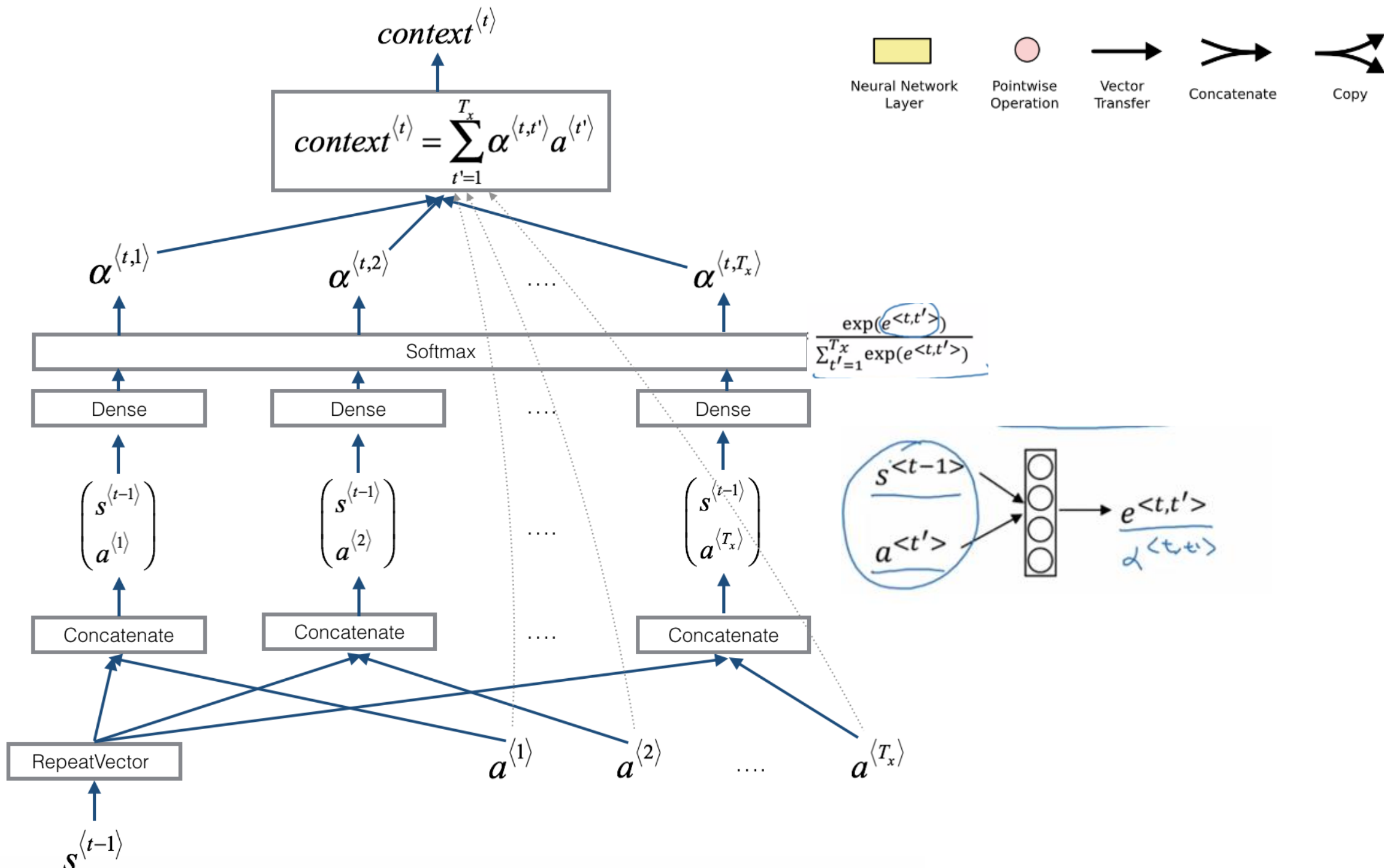
$$context^{<t>} = \sum_{t'=1}^{T_x} \alpha^{<t,t'>} a^{<t'>}$$











output	AA	BB	CC	DD
AA	1	0	0	0
BB	0	1	0	0
CC	0	0	1	0
DD	0	0	0	1