





(a) Token Similarity Online Prediction

T	T_1	T_2	T_3	T_4	T_{5}	T_6	1	T .	T_1	T_2	T_3	<i>T</i> ₄	<i>T</i> ₅	T_6	1	T.	T_1	T_2	<i>T</i> ₃	<i>T</i> ₄	<i>T</i> ₅	T_6	1	<i>T.</i>	T ₁	T_2	T_3	T_4	T_5	1
T_2	1	0	0	0	0	0	Select crucial	T_2		0	0	0	0	0		T_2		0	0	0	0	0		T_2	0	-	0	0	0	-
T_{s}	0	0	0	1	1	1		T_3	0	0	0	0	1	0	Select crucial	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	0	0	0	Update >	T_3	0	0	-	1	1			
T_4	1	0	1	0	0	1	token T ₁	T_4	0	0	0	0	0	0	token T ₃		0	0	0	0	0	0	Binary Map	T_4 T_5	0	0	0	-	0	
T_{5}	0	0	1	0	0	0		T_5	0	0	1	0	0	0		T_5	0	0	0	0	0	0			0	0	0	0	-	
T_{ϵ}	1	0	1	1	0	0		T_6	0	0	0	0	0	0		T_6	0	0	0	0	0	0		T_6	0	0	0	0	0	
Adjacent Matrix							-	Adjacent Matrix							-		Adjacent Matrix						-		Binary Map					

(b) Crucial Token Selection