

Doc_1	W_{11}	W_{12}	\dots	W_{1N_1}
Doc_2	W_{21}	W_{22}	\dots	W_{2N_2}
$\dots\dots\dots$				
Doc_m	W_{m1}	W_{m2}	\dots	W_{mN_m}
$\dots\dots\dots$				
Doc_M	W_{M1}	W_{M2}	\dots	W_{MN_M}