

	A	B	C	D	E	F	item's feature vectors
Mưa nửa đêm	5	5	0	0	1	?	$\mathbf{x}_1 = [0.99, 0.02]^T$
Cổ úa	5	?	?	0	?	?	$\mathbf{x}_2 = [0.91, 0.11]^T$
Vùng lá me bay	?	4	1	?	?	1	$\mathbf{x}_3 = [0.95, 0.05]^T$
Con cò bé bé	1	1	4	4	4	?	$\mathbf{x}_4 = [0.01, 0.99]^T$
Em yêu trường em	1	0	5	?	?	?	$\mathbf{x}_5 = [0.03, 0.98]^T$
User's models	\mathbf{w}_1	\mathbf{w}_2	\mathbf{w}_3	\mathbf{w}_4	\mathbf{w}_5	\mathbf{w}_6	← need to optimize