X	r_1	r_2	$\cdots$	r_k
x_1^*	x_{11}^*	x_{12}^*	$\cdots$	x_{1k}^*
x_2^*	x_{21}^*	x_{22}^*	$\cdots$	x_{2k}^*
$\vdots$	$\vdots$	$\vdots$	$\ddots$	$\vdots$
x_n^*	x_{n1}^*	x_{n2}^*	$\cdots$	x_{nk}^*