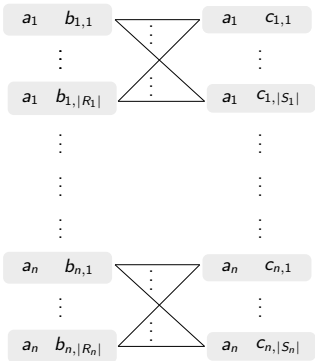
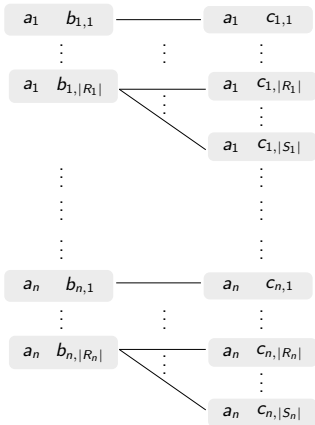


Graph of $R \bowtie S$



A minimal edge cover of the graph



A cover of $R \bowtie S$

A	B	C
a_1	$b_{1,1}$	$c_{1,1}$
\vdots	\vdots	\vdots
a_1	$b_{1, R_1 }$	$c_{1, R_1 }$
\vdots	\vdots	\vdots
a_1	$b_{1, R_1 }$	$c_{1, S_1 }$
\vdots	\vdots	\vdots
\vdots	\vdots	\vdots
\vdots	\vdots	\vdots
\vdots	\vdots	\vdots
\vdots	\vdots	\vdots
a_n	$b_{n,1}$	$c_{n,1}$
\vdots	\vdots	\vdots
a_n	$b_{n, R_n }$	$c_{n, R_n }$
\vdots	\vdots	\vdots
a_n	$b_{n, R_n }$	$c_{n, S_n }$