

The view update problem can be illustrated as follows. Suppose we have a relation T , which is the result of joining relations R and S :

$$\left\{ \begin{array}{c|cc} R & A & B \\ \hline & a & b \end{array} \quad \begin{array}{c|cc} S & B & C \\ \hline & b & c \end{array} \right\} \xrightarrow{\bowtie} \left\{ \begin{array}{c|ccc} T & A & B & C \\ \hline & a & b & c \end{array} \right\}$$

If we update T —say, by deleting its single row—we may want to reflect this update in the original relations—i.e., to change R and/or S so that $R \bowtie S$ is the empty table. Here, the desired effect can be achieved by deleting the single