

\mathcal{D}

\mathbf{x}_1	\mathbf{x}_2	\mathbf{x}_3
1	4	7
2	5	8
3	6	9

 \Rightarrow $\tilde{\mathcal{D}}_{(1)}^S$

\mathbf{x}_S	\mathbf{x}_2	\mathbf{x}_3
1	4	7
2	5	8
3	6	9

 $\tilde{\mathcal{D}}_{(2)}^S$

\mathbf{x}_S	\mathbf{x}_2	\mathbf{x}_3
2	4	7
1	5	8
3	6	9

 $\tilde{\mathcal{D}}_{(3)}^S$

\mathbf{x}_S	\mathbf{x}_2	\mathbf{x}_3
2	4	7
3	5	8
1	6	9

 $\tilde{\mathcal{D}}_{(4)}^S$

\mathbf{x}_S	\mathbf{x}_2	\mathbf{x}_3
1	4	7
3	5	8
2	6	9

 $\tilde{\mathcal{D}}_{(5)}^S$

\mathbf{x}_S	\mathbf{x}_2	\mathbf{x}_3
3	4	7
1	5	8
2	6	9

 $\tilde{\mathcal{D}}_{(6)}^S$

\mathbf{x}_S	\mathbf{x}_2	\mathbf{x}_3
3	4	7
2	5	8
1	6	9