

## fixable proofs

July 14, 2015

**Lemma 0.1.** *The graph in Figure ?? is reducible.*

*Proof.* We need to handle all boards that are nearly colorable for edge  $e$  up to permutation of colors, so it will suffice to handle all boards of the form 01|01|012|01|01|01|01,

01	02	012	02	02	02	02, 01	02	012	01	01	01	01, 01	02	012	12	12	12	12, 01	01	012	02	01	01	01, 01	02	012	01	02	0
01	02	012	12	02	02	02, 01	02	012	02	01	01	01, 01	02	012	12	01	01	01, 01	02	012	02	12	12	12, 01	02	012	01	12	1
01	01	012	01	02	01	01, 01	02	012	02	01	02	02, 01	02	012	02	12	02	02, 01	02	012	01	02	01	01, 01	02	012	01	12	0
01	01	012	02	01	02	02, 01	02	012	12	02	12	12, 01	02	012	12	01	12	12, 01	01	012	02	12	02	02, 01	01	012	02	02	0
01	01	012	02	12	01	01, 01	02	012	01	01	02	02, 01	02	012	12	12	02	02, 01	02	012	12	01	02	02, 01	02	012	01	12	0
01	02	012	02	02	01	01, 01	02	012	12	12	01	01, 01	02	012	12	02	01	01, 01	02	012	02	12	01	01, 01	01	012	01	01	0
01	02	012	02	02	12	12, 01	02	012	01	01	12	12, 01	01	012	02	02	12	12, 01	01	012	02	01	12	12, 01	02	012	01	02	1
01	02	012	02	01	12	12, 01	01	012	01	02	12	12, 01	01	012	01	01	02	01, 01	02	012	02	02	01	02, 01	02	012	02	02	1
01	02	012	01	01	02	01, 01	02	012	01	01	12	01, 01	01	012	02	02	01	02, 01	02	012	12	12	02	12, 01	02	012	12	12	0
01	01	012	02	02	12	02, 01	01	012	02	01	02	01, 01	01	012	02	01	12	01, 01	02	012	01	02	01	02, 01	02	012	12	02	1
01	02	012	12	02	01	02, 01	02	012	01	02	12	02, 01	02	012	02	01	02	01, 01	02	012	12	01	12	01, 01	02	012	12	01	0
01	02	012	02	01	12	01, 01	01	012	01	02	01	02, 01	02	012	02	12	02	12, 01	02	012	01	12	01	12, 01	01	012	02	12	0
01	01	012	02	12	01	12, 01	02	012	01	12	02	12, 01	02	012	02	12	01	12, 01	01	012	01	02	12	02, 01	01	012	01	02	1
01	02	012	02	01	01	02, 01	02	012	02	12	12	02, 01	02	012	02	12	01	02, 01	02	012	02	01	12	02, 01	02	012	01	02	0
01	02	012	01	12	12	01, 01	02	012	01	12	02	01, 01	02	012	01	02	12	01, 01	01	012	02	01	01	02, 01	02	012	12	02	0
01	02	012	12	01	01	12, 01	01	012	02	12	01	02, 01	02	012	12	01	02	12, 01	02	012	12	02	01	12, 01	01	012	02	01	1

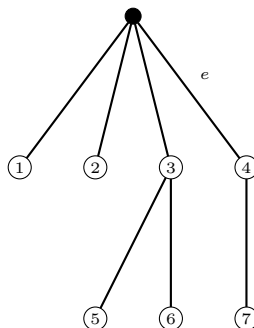


Figure 1: Vertices are ordered as labeled.

01|01|012|02|12|02|01, 01|01|012|02|02|12|01, 01|02|012|01|01|01|02, 01|02|012|12|12|12|02, 01|02|012|12|01|01|01  
 01|02|012|01|12|12|02, 01|02|012|01|12|01|02, 01|02|012|12|01|12|02, 01|02|012|12|12|01|02, 01|02|012|01|01|12|01  
 01|02|012|02|02|02|01, 01|02|012|12|12|12|01, 01|02|012|12|02|02|01, 01|02|012|02|12|12|01, 01|02|012|02|12|01|01  
 01|02|012|12|02|12|01, 01|02|012|12|12|02|01, 01|02|012|02|02|12|01, 01|01|012|01|01|01|02, 01|02|012|02|02|01|01  
 01|02|012|01|01|01|12, 01|01|012|02|01|01|12, 01|02|012|01|02|02|12, 01|02|012|02|01|01|12, 01|01|012|01|02|01|01  
 01|02|012|02|01|02|12, 01|02|012|01|02|01|12, 01|01|012|02|01|02|12, 01|01|012|02|02|01|12, 01|02|012|01|01|01|01  
 01|02|012|02|02|01|12, 01|01|012|01|01|02|12, 01|02|023|03|02|02|02, 01|02|023|23|02|02|02, 01|23|023|02|23|23|02  
 01|02|023|02|03|03|03, 01|23|023|23|02|02|02, 01|23|023|02|03|03|03, 01|02|023|23|03|03|03, 01|02|023|02|23|23|02  
 01|02|023|03|23|23|23, 01|02|023|02|03|03|02, 01|02|023|02|23|23|02, 01|23|023|23|02|02|23, 01|23|023|02|02|01|01  
 01|02|023|23|23|23|03, 01|23|023|23|02|02|03, 01|02|023|02|23|23|03, 01|02|023|03|03|03|23, 01|02|023|02|03|01|01  
 01|02|013|03|01|01|01, 01|02|013|13|01|01|01, 01|02|013|01|03|03|03, 01|23|012|02|12|12|12, 01|23|012|01|02|01|01  
 01|02|013|13|03|03|03, 01|23|012|02|01|01|01, 01|02|013|01|13|13|13, 01|02|013|03|13|13|13, 01|02|013|01|03|01|01  
 01|02|013|01|13|13|01, 01|23|012|01|02|02|01, 01|23|012|02|02|02|12, 01|02|013|13|13|13|03, 01|23|012|01|02|01|01  
 01|02|013|01|13|13|03, 01|02|013|03|03|03|13, 01|02|013|01|03|03|13, 01|01|023|02|03|03|03, 01|02|123|23|12|12|12  
 01|02|123|13|12|12|12, 01|01|023|23|02|02|02, 01|02|123|12|23|23|23, 01|02|123|13|23|23|23, 01|02|123|12|13|13|13  
 01|02|123|23|13|13|13, 01|01|023|02|02|23|23, 01|01|023|02|03|23|23, 01|01|023|02|23|02|23, 01|01|023|02|23|01|01  
 01|01|023|02|03|03|02, 01|02|123|12|23|23|12, 01|02|123|12|13|13|12, 01|02|123|13|13|13|23, 01|02|123|12|13|13|13  
 01|02|123|23|23|23|13, 01|02|123|12|23|23|13, 01|01|023|02|02|02|23, 01|01|023|02|03|03|23, 01|01|023|02|03|01|01  
 01|01|023|02|02|03|23, 01|01|023|01|02|02|02, 01|01|023|12|02|02|02, 01|01|012|01|03|01|01, 01|01|023|01|02|01|01  
 01|01|023|01|12|01|01, 01|01|023|01|01|02|02, 01|01|023|12|12|02|02, 01|01|023|12|01|02|02, 01|01|023|01|12|01|01  
 01|01|012|01|01|03|03, 01|01|023|02|02|12|12, 01|01|023|01|01|12|12, 01|01|012|03|03|13|13, 01|01|012|03|01|01|01  
 01|01|023|01|02|12|12, 01|01|023|02|01|12|12, 01|01|012|01|03|13|13, 01|01|012|01|01|03|01, 01|01|023|01|01|01|01  
 01|01|023|01|01|12|01, 01|01|023|01|02|01|02, 01|01|023|12|02|12|02, 01|01|023|12|02|01|02, 01|01|023|01|02|01|01  
 01|01|012|01|03|01|03, 01|01|023|02|12|02|12, 01|01|023|01|12|01|12, 01|01|012|03|13|03|13, 01|01|012|03|13|01|01  
 01|01|023|01|12|02|12, 01|01|023|02|12|01|12, 01|01|012|01|03|13|03, 01|01|012|01|03|13|01, 01|01|023|01|02|01|01  
 01|01|023|01|12|02|01, 01|01|023|01|02|12|01, 01|01|023|01|12|01|02, 01|01|023|12|01|12|02, 01|01|023|12|12|01|01  
 01|01|023|01|01|12|02, 01|01|012|01|01|01|03, 01|01|023|02|02|02|12, 01|01|012|03|01|01|13, 01|01|023|01|02|01|01  
 01|01|012|01|03|01|13, 01|01|023|02|01|02|12, 01|01|023|01|02|01|12, 01|01|012|03|01|03|13, 01|01|012|03|03|01|01  
 01|01|023|01|01|02|12, 01|01|023|02|02|01|12, 01|01|012|01|01|03|13, 01|23|023|12|23|23|23, 01|02|013|02|03|01|01  
 01|02|013|23|03|03|03, 01|02|123|02|23|23|23, 01|02|123|03|23|23|23, 01|02|012|02|03|02|02, 01|02|012|02|23|01|01  
 01|02|013|02|03|02|02, 01|02|123|02|23|02|02, 01|02|123|02|03|02|02, 01|02|013|02|23|02|02, 01|23|023|12|12|23|12  
 01|23|023|12|13|23|23, 01|02|013|02|02|03|03, 01|02|013|23|23|03|03, 01|02|013|23|02|03|03, 01|02|013|02|23|01|01  
 01|02|123|02|02|23|23, 01|02|123|03|03|23|23, 01|02|123|03|02|23|23, 01|02|123|02|03|23|23, 01|23|012|02|02|23|01  
 01|23|012|03|03|23|23, 01|23|012|03|02|23|23, 01|23|012|02|03|23|23, 01|02|012|02|02|03|03, 01|02|123|23|23|01|01  
 01|02|123|02|02|03|03, 01|02|012|23|23|03|03, 01|02|012|23|02|03|03, 01|02|123|02|23|03|03, 01|02|123|23|02|01|01  
 01|02|012|02|23|03|03, 01|02|012|02|02|23|23, 01|02|013|03|03|23|23, 01|02|013|02|02|23|23, 01|02|012|03|03|23|01  
 01|02|012|03|02|23|23, 01|02|013|02|03|23|23, 01|02|013|03|02|23|23, 01|02|012|02|03|23|23, 01|02|012|02|02|01|01  
 01|02|012|02|02|23|02, 01|02|013|02|02|03|02, 01|02|123|02|02|23|02, 01|02|123|02|02|03|02, 01|02|013|02|02|23|01  
 01|23|023|12|23|12|23, 01|23|023|12|23|13|23, 01|02|013|02|03|02|03, 01|02|013|23|03|23|03, 01|02|013|23|03|01|01  
 01|02|013|02|03|23|03, 01|02|123|02|23|02|23, 01|02|123|03|23|03|23, 01|02|123|03|23|02|23, 01|02|123|02|23|01|01  
 01|23|012|02|23|02|23, 01|23|012|03|23|03|23, 01|23|012|03|23|02|23, 01|23|012|02|23|03|23, 01|02|012|02|03|01|01  
 01|02|123|23|03|23|03, 01|02|123|02|03|02|03, 01|02|012|23|03|23|03, 01|02|012|23|03|02|03, 01|02|123|02|03|23|01

01|02|123|23|03|02|03, 01|02|012|02|03|23|03, 01|02|012|02|23|02|23, 01|02|013|03|23|03|23, 01|02|013|02|23|0  
 01|02|012|03|23|03|23, 01|02|012|03|23|02|23, 01|02|013|02|23|03|23, 01|02|013|03|23|02|23, 01|02|012|02|23|0  
 01|02|012|02|23|03|02, 01|02|012|02|03|23|02, 01|02|013|02|03|03|02, 01|02|123|02|23|23|02, 01|02|013|02|23|0  
 01|02|123|02|03|23|02, 01|02|123|02|23|03|02, 01|02|013|02|03|23|02, 01|23|023|12|13|12|23, 01|23|023|12|12|1  
 01|02|013|02|23|02|03, 01|02|013|23|02|23|03, 01|02|013|23|23|02|03, 01|02|013|02|02|23|03, 01|02|123|02|03|0  
 01|02|123|03|02|03|23, 01|02|123|03|03|02|23, 01|02|123|02|02|03|23, 01|23|012|02|02|02|23, 01|23|012|03|02|  
 01|23|012|02|03|02|23, 01|23|012|03|02|03|23, 01|23|012|03|03|02|23, 01|23|012|02|02|03|23, 01|02|012|02|02|0  
 01|02|123|23|23|23|03, 01|02|012|23|02|02|03, 01|02|123|02|23|23|03, 01|02|012|02|23|02|03, 01|02|123|23|02|2  
 01|02|123|02|23|02|03, 01|02|012|23|02|23|03, 01|02|012|23|23|02|03, 01|02|123|02|02|23|03, 01|02|123|23|23|0  
 01|02|012|02|02|23|03, 01|02|012|02|02|02|23, 01|02|013|03|03|03|23, 01|02|012|03|02|02|23, 01|02|013|02|03|0  
 01|02|012|02|03|02|23, 01|02|013|03|02|03|23, 01|02|013|02|03|02|23, 01|02|012|03|02|03|23, 01|02|012|03|03|0  
 01|02|013|02|02|03|23, 01|02|013|03|03|02|23, 01|02|012|02|02|03|23, 01|02|023|01|03|03|03, 01|02|023|13|03|0  
 01|23|012|03|01|01|01, 01|02|123|01|13|13|13, 01|02|123|03|13|13|13, 01|02|012|01|03|01|01, 01|02|012|01|13|0  
 01|02|023|01|03|01|01, 01|02|123|01|13|01|01, 01|02|123|01|03|01|01, 01|02|023|01|13|01|01, 01|02|023|01|01|0  
 01|02|023|13|13|03|03, 01|02|023|13|01|03|03, 01|02|023|01|13|03|03, 01|23|012|03|03|01|01, 01|23|012|03|13|0  
 01|02|123|01|01|13|13, 01|02|123|03|03|13|13, 01|02|123|03|01|13|13, 01|02|123|01|03|13|13, 01|02|012|01|01|0  
 01|02|123|13|13|03|03, 01|02|123|01|01|03|03, 01|02|012|13|13|03|03, 01|02|012|13|01|03|03, 01|02|123|01|13|0  
 01|02|123|13|01|03|03, 01|02|012|01|13|03|03, 01|23|023|02|02|01|01, 01|23|023|12|12|01|01, 01|23|023|12|02|0  
 01|23|023|02|12|01|01, 01|02|012|01|01|13|13, 01|02|023|03|03|13|13, 01|02|023|01|01|13|13, 01|02|012|03|03|1  
 01|02|012|03|01|13|13, 01|02|023|01|03|13|13, 01|02|023|03|01|13|13, 01|02|012|01|03|13|13, 01|02|012|01|01|0  
 01|02|012|01|01|13|01, 01|02|023|01|01|03|01, 01|02|123|01|01|13|01, 01|02|123|01|01|03|01, 01|02|023|01|01|1  
 01|02|023|01|03|01|03, 01|02|023|13|03|13|03, 01|02|023|13|03|01|03, 01|02|023|01|03|13|03, 01|23|012|03|01|0  
 01|23|012|03|01|13|01, 01|02|123|01|13|01|13, 01|02|123|03|13|03|13, 01|02|123|03|13|01|13, 01|02|123|01|13|0  
 01|02|012|01|03|01|03, 01|02|123|13|03|13|03, 01|02|123|01|03|01|03, 01|02|012|13|03|13|03, 01|02|012|13|03|0  
 01|02|123|01|03|13|03, 01|02|123|13|03|01|03, 01|02|012|01|03|13|03, 01|23|023|02|01|02|01, 01|23|023|12|01|1  
 01|23|023|12|01|02|01, 01|23|023|02|01|12|01, 01|02|012|01|13|01|13, 01|02|023|03|13|03|13, 01|02|023|01|13|0  
 01|02|012|03|13|03|13, 01|02|012|03|13|01|13, 01|02|023|01|13|03|13, 01|02|023|03|13|01|13, 01|02|012|01|13|0  
 01|02|012|01|13|03|01, 01|02|012|01|03|13|01, 01|02|023|01|03|03|01, 01|02|123|01|13|13|01, 01|02|023|01|13|0  
 01|02|123|01|03|13|01, 01|02|123|01|13|03|01, 01|02|023|01|03|13|01, 01|02|023|01|13|01|03, 01|02|023|13|01|1  
 01|02|023|13|13|01|03, 01|02|023|01|01|13|03, 01|23|012|03|13|03|01, 01|23|012|03|03|13|01, 01|02|123|01|03|0  
 01|02|123|03|01|03|13, 01|02|123|03|03|01|13, 01|02|123|01|01|03|13, 01|02|012|01|01|01|03, 01|02|123|13|13|1  
 01|02|012|13|01|01|03, 01|02|123|01|13|13|03, 01|02|012|01|13|01|03, 01|02|123|13|01|13|03, 01|02|123|01|13|0  
 01|02|012|13|01|13|03, 01|02|012|13|13|01|03, 01|02|123|01|01|13|03, 01|02|123|13|13|01|03, 01|02|012|01|01|1  
 01|23|023|02|02|02|01, 01|23|023|12|02|02|01, 01|23|023|02|12|02|01, 01|23|023|12|02|12|01, 01|23|023|12|12|0  
 01|23|023|02|02|12|01, 01|02|012|01|01|01|13, 01|02|023|03|03|03|13, 01|02|012|03|01|01|13, 01|02|023|01|03|0  
 01|02|012|01|03|01|13, 01|02|023|03|01|03|13, 01|02|023|01|03|01|13, 01|02|012|03|01|03|13, 01|02|012|03|03|0  
 01|02|023|01|01|03|13, 01|02|023|03|03|01|13, 01|02|012|01|01|03|13, 01|02|023|12|23|23|23, 01|02|023|13|23|2  
 01|02|013|12|13|13|13, 01|02|013|23|13|13|13, 01|02|012|12|23|12|12, 01|02|012|12|13|12|12, 01|02|023|12|23|1  
 01|02|013|12|13|12|12, 01|02|013|12|23|12|12, 01|02|023|12|13|12|12, 01|02|023|12|12|23|23, 01|02|023|13|13|2  
 01|02|023|13|12|23|23, 01|02|023|12|13|23|23, 01|02|013|12|12|13|13, 01|02|013|23|23|13|13, 01|02|013|23|12|1  
 01|02|013|12|23|13|13, 01|02|012|12|12|23|23, 01|02|013|13|13|23|23, 01|02|013|12|12|23|23, 01|02|012|13|13|2  
 01|02|012|13|12|23|23, 01|02|013|12|13|23|23, 01|02|013|13|12|23|23, 01|02|012|12|13|23|23, 01|02|012|12|12|1

01	02	023	23	23	13	13, 01	02	023	12	12	13	13, 01	02	012	23	23	13	13, 01	02	012	23	12	13	13, 01	02	023	12	23	1
01	02	023	23	12	13	13, 01	02	012	12	23	13	13, 01	02	012	12	12	23	12, 01	02	012	12	12	13	12, 01	02	023	12	12	2
01	02	013	12	12	13	12, 01	02	013	12	12	23	12, 01	02	023	12	12	13	12, 01	02	023	12	23	12	23, 01	02	023	13	23	1
01	02	023	13	23	12	23, 01	02	023	12	23	13	23, 01	02	013	12	13	12	13, 01	02	013	23	13	23	13, 01	02	013	23	13	1
01	02	013	12	13	23	13, 01	02	012	12	23	12	23, 01	02	013	13	23	13	23, 01	02	013	12	23	12	23, 01	02	012	13	23	1
01	02	012	13	23	12	23, 01	02	013	12	23	13	23, 01	02	013	13	23	12	23, 01	02	012	12	23	13	23, 01	02	012	12	13	1
01	02	023	23	13	23	13, 01	02	023	12	13	12	13, 01	02	012	23	13	23	13, 01	02	012	23	13	12	13, 01	02	023	12	13	2
01	02	023	23	13	12	13, 01	02	012	12	13	23	13, 01	02	012	12	13	23	12, 01	02	012	12	23	13	12, 01	02	023	12	23	2
01	02	013	12	13	13	12, 01	02	023	12	13	23	12, 01	02	013	12	23	13	12, 01	02	013	12	13	23	12, 01	02	023	12	23	1
01	02	023	12	13	12	23, 01	02	023	13	12	13	23, 01	02	023	13	13	12	23, 01	02	023	12	12	13	23, 01	02	013	12	23	1
01	02	013	23	12	23	13, 01	02	013	23	23	12	13, 01	02	013	12	12	23	13, 01	02	012	12	12	12	23, 01	02	013	13	13	1
01	02	012	13	12	12	23, 01	02	013	12	13	13	23, 01	02	012	12	13	12	23, 01	02	013	13	12	13	23, 01	02	013	12	13	1
01	02	012	13	12	13	23, 01	02	012	13	13	12	23, 01	02	013	12	12	13	23, 01	02	013	13	13	12	23, 01	02	012	12	12	1
01	02	012	12	12	12	13, 01	02	023	23	23	23	13, 01	02	012	23	12	12	13, 01	02	023	12	23	23	13, 01	02	012	12	23	1
01	02	023	23	12	23	13, 01	02	023	12	23	12	13, 01	02	012	23	12	23	13, 01	02	012	23	23	12	13, 01	02	023	12	12	2
01	02	023	23	23	12	13, 01	02	012	12	12	23	13, 01	02	023	01	03	03	02, 01	02	023	12	23	23	02, 01	02	023	12	03	0
01	02	023	01	23	23	02, 01	23	023	12	23	23	02, 01	02	023	13	23	23	03, 01	23	023	01	23	23	02, 01	02	023	01	23	2
01	02	023	13	03	03	23, 01	02	023	12	03	03	23, 01	02	013</															

01	02	013	03	02	12	02, 01	02	023	03	01	02	01, 01	02	123	13	01	12	01, 01	02	123	03	01	02	01, 01	02	023	13	01	12	01, 01		
01	02	023	13	01	02	01, 01	02	123	03	01	12	01, 01	02	123	13	01	02	01, 01	02	023	03	01	12	01, 01	01	012	02	03	01	12	01, 01	
01	02	023	23	12	02	12, 01	02	013	13	12	01	12, 01	01	023	23	12	02	12, 01	01	023	12	13	01	13, 01	02	013	23	12	01	12	01, 01	
01	02	023	13	12	01	12, 01	01	012	23	03	13	03, 01	01	012	23	03	01	03, 01	02	023	13	12	02	12, 01	02	013	23	12	01	12	01, 01	
01	01	023	12	13	03	13, 01	01	023	23	12	01	12, 01	02	013	13	12	02	12, 01	02	023	23	12	01	12, 01	01	012	02	03	13	01	12	01, 01
01	01	012	02	13	03	01, 01	01	012	02	03	13	01, 01	02	023	03	12	01	02, 01	02	023	23	01	12	02, 01	02	023	23	12	01	12	01, 01	
01	02	023	03	01	12	02, 01	02	013	03	12	02	01, 01	02	013	13	02	12	01, 01	02	013	13	12	02	01, 01	02	013	03	02	13	01	12	01, 01
01	01	023	02	13	01	03, 01	02	123	23	01	02	12, 01	02	123	13	02	01	12, 01	01	023	23	01	12	02, 01	01	023	23	12	01	12	01, 01	
01	02	123	13	01	02	12, 01	02	123	23	02	01	12, 01	01	023	02	01	13	03, 01	01	023	02	03	03	01, 01	01	023	12	03	13	01	12	01, 01
01	01	023	02	13	03	01, 01	01	023	12	03	13	01, 01	01	023	12	13	03	01, 01	01	023	02	03	13	01, 01	02	013	03	01	01	12	01, 01	
01	02	123	23	12	12	02, 01	02	013	23	01	01	02, 01	02	123	03	12	12	02, 01	02	013	03	12	01	02, 01	02	123	23	01	12	01	12	01, 01
01	02	123	03	12	01	02, 01	02	013	23	01	12	02, 01	02	013	23	12	01	02, 01	02	123	03	01	12	02, 01	02	123	23	12	01	12	01, 01	
01	02	013	03	01	12	02, 01	02	023	03	02	02	01, 01	02	123	13	12	12	01, 01	02	023	13	02	02	01, 01	02	123	03	12	13	01	12	01, 01
01	02	023	03	12	02	01, 01	02	123	13	02	12	01, 01	02	123	03	12	02	01, 01	02	023	13	02	12	01, 01	02	023	13	12	01	12	01, 01	
01	02	123	03	02	12	01, 01	02	123	13	12	02	01, 01	02	023	03	02	12	01, 01	01	012	02	01	01	03, 01	02	023	23	02	13	01	12	01, 01
01	02	013	13	01	01	12, 01	01	023	23	02	02	12, 01	01	012	23	01	01	03, 01	02	023	13	02	02	12, 01	02	013	23	01	12	01	12	01, 01

6

01	23	02	3	12	03	03	13	01	23	01	2	3	01	01	03	01	02	12	3	02	13	13	03	01	02	01	2	3	01	02	12	3	02	13	01	03	01	23	02	3	23	01	0
01	23	01	2	3	01	03	01	02	12	3	23	01	13	03	01	02	12	3	02	13	01	03	01	23	01	2	3	01	03	13	01	23	02	3	12	03	0						
01	02	01	2	3	01	13	03	01	02	01	2	3	13	01	03	01	23	02	3	12	01	03	13	01	23	01	2	3	01	13	01	02	12	3	02	01	1						
01	02	1	2	3	23	13	01	03	01	23	01	2	3	03	01	23	02	3	23	02	01	12	01	02	01	2	3	01	13	03	01	23	02	3	02	03	0						
01	23	02	3	12	03	03	01	01	23	02	3	02	13	03	01	01	23	02	3	12	03	13	01	01	23	02	3	12	13	03	01	01	23	02	3	02	03	1					
01	02	01	2	12	01	01	13	01	02	02	3	23	03	03	13	01	02	01	2	3	01	01	13	01	02	02	3	12	03	03	13	01	02	01	2	12	03	0					
01	02	02	3	23	01	03	13	01	02	02	3	12	03	01	13	01	02	01	2	3	01	03	13	01	02	01	2	3	03	01	13	01	02	02	3	12	01	0					
01	02	02	3	23	03	01	13	01	02	01	2	12	01	03	13	01	02	01	2	02	23	12	12	01	02	01	2	01	13	12	12	01	02	01	2	01	23	0					
01	02	01	2	02	13	12	12	01	02	02	3	02	12	23	23	01	02	02	3	03	13	23	23	01	02	02	3	03	12	23	23	01	02	02	3	02	13	2					
01	02	01	3	01	12	13	13	01	02	01	3	03	23	13	13	01	02	01	3	03	12	13	13	01	02	01	3	01	23	13	13	01	02	02	3	02	23	1					
01	02	01	3	01	13	12	12	01	02	01	3	02	23	12	12	01	02	02	3	01	13	12	12	01	02	02	3	01	23	12	12	01	02	01	3	02	13	1					
01	02	01	3	01	23	12	12	01	02	02	3	02	13	12	12	01	02	01	2	02	12	23	23	01	02	01	3	03	13	23	23	01	02	01	3	02	12	2					
01	02	01	2	03	13	23	23	01	02	01	2	03	12	23	23	01	02	01	3	02	13	23	23	01	02	01	3	03	12	23	23	01	02	01	2	03	12	2					
01	02	01	2	01	12	13	13	01	02	02	3	03	23	13	13	01	02	02	3	01	12	13	13	01	02	01	2	03	23	13	13	01	02	01	2	03	12	1					
01	02	02	3	01	23	13	13	01	02	02	3	03	12	13	13	01	02	01	2	01	23	13	13	01	02	01	2	03	12	23	12	01	02	01	2	01	12	1					
01	02	01	2																																								

01|01|012|02|13|02|12, 01|02|012|01|13|02|12, 01|02|012|02|23|01|12, 01|01|012|01|03|12|02, 01|02|012|02|13|0  
 01|02|012|02|13|12|02, 01|02|012|01|23|02|01, 01|02|012|01|23|12|01, 01|01|012|02|13|01|02, 01|02|012|12|03|0  
 01|02|012|12|03|01|12, 01|02|012|01|13|01|02, 01|02|012|12|13|12|02, 01|02|012|12|13|01|02, 01|02|012|01|13|1  
 01|02|012|02|23|02|01, 01|02|012|12|23|12|01, 01|02|012|12|23|02|01, 01|02|012|02|23|12|01, 01|01|012|01|03|0  
 01|02|012|02|03|02|12, 01|02|012|01|03|01|12, 01|01|012|02|03|01|12, 01|02|012|01|03|02|12, 01|02|012|02|03|0  
 01|02|023|02|13|02|02, 01|23|023|23|01|23|23, 01|02|023|02|01|03|02, 01|02|023|02|12|23|02, 01|23|023|23|12|0  
 01|23|023|02|01|02|03, 01|02|023|23|13|23|03, 01|23|023|23|01|02|03, 01|02|023|02|13|23|03, 01|02|023|02|13|0  
 01|23|023|23|01|23|02, 01|02|023|23|13|02|03, 01|23|023|02|01|23|03, 01|02|023|03|13|03|23, 01|02|023|02|13|0  
 01|02|023|02|13|02|23, 01|02|023|03|13|02|23, 01|02|023|02|13|03|02, 01|02|023|02|13|23|02, 01|23|023|23|01|0  
 01|23|023|02|12|02|03, 01|02|023|23|12|23|03, 01|23|023|23|12|02|03, 01|02|023|02|12|23|03, 01|02|023|03|01|0  
 01|02|023|02|01|03|23, 01|02|013|01|23|01|01, 01|23|012|01|23|01|01, 01|02|013|01|02|03|01, 01|02|013|01|12|1  
 01|23|012|01|03|02|01, 01|23|012|02|23|02|12, 01|02|013|13|23|13|03, 01|23|012|01|23|02|12, 01|02|013|01|23|1  
 01|02|013|01|23|01|03, 01|23|012|01|23|01|02, 01|02|013|13|23|01|03, 01|23|012|02|23|01|12, 01|02|013|03|23|0  
 01|02|013|01|23|03|13, 01|02|013|01|23|01|13, 01|02|013|03|23|01|13, 01|02|013|01|23|03|01, 01|02|013|01|23|1  
 01|23|012|01|23|02|01, 01|23|012|02|03|02|12, 01|02|013|13|12|13|03, 01|23|012|01|03|02|12, 01|02|013|01|12|1  
 01|02|013|03|02|03|13, 01|02|013|01|02|03|13, 01|01|023|02|13|02|02, 01|02|123|12|03|12|12, 01|01|023|02|01|2  
 01|01|023|02|01|03|02, 01|02|123|12|02|23|12, 01|02|123|12|01|13|12, 01|01|023|02|13|02|03, 01|01|023|23|12|0  
 01|02|123|13|03|13|23, 01|02|123|12|03|13|23, 01|02|123|12|03|12|23, 01|02|123|13|03|12|23, 01|02|123|23|03|2  
 01|02|123|12|03|23|13, 01|02|123|12|03|12|13, 01|02|123|23|03|12|13, 01|01|023|02|12|02|23, 01|01|023|02|13|0  
 01|01|023|02|13|02|23, 01|01|023|02|12|03|23, 01|01|023|02|13|03|02, 01|02|123|12|03|23|12, 01|02|123|12|03|1  
 01|02|123|13|01|13|23, 01|02|123|12|01|13|23, 01|02|123|23|02|23|13, 01|02|123|12|02|23|13, 01|01|023|02|01|0  
 01|01|023|02|01|03|23, 01|01|023|01|23|01|01, 01|02|023|01|13|02|02, 01|02|023|12|13|02|02, 01|02|013|02|23|0  
 01|02|013|12|23|01|01, 01|01|023|01|12|03|03, 01|02|123|02|03|12|12, 01|02|123|01|03|12|12, 01|01|023|12|13|0  
 01|01|012|01|02|13|13, 01|01|023|02|03|12|12, 01|01|023|01|02|13|13, 01|01|012|03|02|13|13, 01|01|012|01|02|1  
 01|02|023|02|03|01|02, 01|02|023|02|23|12|02, 01|02|013|01|03|02|01, 01|02|013|01|13|12|01, 01|01|023|02|03|0  
 01|02|123|12|23|02|12, 01|02|123|12|13|01|12, 01|01|023|01|02|03|01, 01|01|023|01|12|03|01, 01|01|023|01|02|1  
 01|02|123|02|03|01|02, 01|02|013|02|23|12|02, 01|02|013|02|23|01|02, 01|02|123|02|03|12|02, 01|02|123|01|03|0  
 01|02|023|01|13|12|01, 01|02|023|01|13|02|01, 01|02|123|01|03|12|01, 01|01|023|12|13|01|12, 01|02|013|12|23|0  
 01|02|023|12|13|01|12, 01|02|023|12|13|02|12, 01|02|013|12|23|01|12, 01|01|023|12|13|02|12, 01|02|023|01|03|0  
 01|02|023|12|23|12|02, 01|02|023|12|03|01|02, 01|02|023|01|23|12|02, 01|02|013|02|03|02|01, 01|02|013|12|13|1  
 01|02|013|12|03|02|01, 01|02|013|02|13|12|01, 01|01|023|01|02|01|03, 01|02|123|02|23|02|12, 01|02|123|01|13|0  
 01|01|023|12|03|01|02, 01|02|123|01|23|02|12, 01|02|123|02|13|01|12, 01|01|023|01|23|01|02, 01|01|023|12|03|1  
 01|01|023|12|23|01|02, 01|01|023|01|02|13|03, 01|01|023|02|13|02|01, 01|01|023|12|13|02|01, 01|02|123|01|03|0  
 01|02|013|12|23|12|02, 01|02|123|12|03|01|02, 01|02|013|01|23|12|02, 01|02|013|01|23|01|02, 01|02|123|12|03|1  
 01|02|013|12|23|01|02, 01|02|123|01|03|12|02, 01|02|123|02|03|02|01, 01|02|023|12|13|12|01, 01|02|123|12|03|0  
 01|02|023|02|13|12|01, 01|02|023|02|13|02|01, 01|02|123|12|03|12|01, 01|02|023|12|13|02|01, 01|02|123|02|03|1  
 01|01|012|01|02|01|03, 01|01|023|02|23|02|12, 01|01|023|01|12|01|13, 01|02|013|02|23|02|12, 01|02|023|01|13|0  
 01|01|012|03|12|01|13, 01|01|023|01|23|02|12, 01|01|023|02|13|01|12, 01|02|013|01|23|02|12, 01|02|023|02|13|0  
 01|02|023|02|13|02|12, 01|02|013|01|23|01|12, 01|01|023|02|13|02|12, 01|01|023|01|23|01|12, 01|01|012|03|12|0  
 01|02|023|01|13|02|12, 01|02|013|02|23|01|12, 01|01|023|01|12|03|13, 01|01|023|02|23|01|12, 01|01|012|01|02|1  
 01|02|023|02|13|01|02, 01|02|023|02|13|12|02, 01|02|013|01|23|02|01, 01|02|013|01|23|12|01, 01|01|023|02|13|0  
 01|02|123|12|03|02|12, 01|02|123|12|03|01|12, 01|01|023|01|23|02|01, 01|02|123|02|13|01|02, 01|02|013|02|13|1



01|02|123|01|23|02|01, 01|02|023|01|23|12|01, 01|01|023|12|03|01|12, 01|02|013|12|03|02|12, 01|02|023|12|03|0  
 01|02|023|01|13|01|02, 01|02|023|12|13|12|02, 01|02|023|12|13|01|02, 01|02|023|01|13|12|02, 01|02|013|02|23|0  
 01|02|013|12|23|12|01, 01|02|013|12|23|02|01, 01|02|013|02|23|12|01, 01|01|023|01|12|01|03, 01|02|123|02|03|0  
 01|02|123|01|03|01|12, 01|01|023|12|13|01|02, 01|02|123|01|03|02|12, 01|02|123|02|03|01|12, 01|02|123|01|13|0  
 01|02|013|12|13|12|02, 01|02|123|12|13|01|02, 01|02|013|01|13|12|02, 01|02|123|02|23|02|01, 01|02|023|12|23|1  
 01|02|123|12|23|02|01, 01|02|023|02|23|12|01, 01|01|012|01|02|01|13, 01|01|023|02|03|02|12, 01|01|023|01|02|  
 01|02|013|02|03|02|12, 01|02|023|01|03|01|12, 01|01|012|03|02|01|13, 01|01|023|01|02|03|13, 01|01|023|02|03|0  
 01|02|013|01|03|02|12, 01|02|023|02|03|01|12, 01|23|012|02|01|23|23, 01|23|012|03|01|23|23, 01|02|012|02|12|0  
 01|02|123|23|12|03|03, 01|02|123|02|12|03|03, 01|02|012|23|12|03|03, 01|02|012|02|01|23|23, 01|02|013|03|01|2  
 01|02|013|02|01|23|23, 01|02|012|03|01|23|23, 01|02|012|02|01|03|02, 01|02|012|02|12|23|02, 01|02|012|02|12|0  
 01|02|012|02|01|23|02, 01|23|023|23|02|12|23, 01|02|123|02|01|03|02, 01|02|013|02|12|23|02, 01|02|123|02|12|0  
 01|02|013|02|01|23|02, 01|23|012|23|03|13|23, 01|23|012|03|01|03|02, 01|02|013|23|13|23|03, 01|23|012|23|01|0  
 01|02|013|02|13|23|03, 01|02|013|23|01|23|03, 01|02|013|02|01|23|03, 01|02|123|03|13|03|23, 01|02|123|02|13|0  
 01|02|123|03|12|03|23, 01|02|123|02|12|03|23, 01|02|012|02|01|02|03, 01|23|023|12|01|12|13, 01|02|012|23|13|2  
 01|02|012|23|01|02|03, 01|23|023|23|01|12|13, 01|02|012|02|13|23|03, 01|02|012|02|13|02|03, 01|23|023|23|01|2  
 01|02|012|23|01|23|03, 01|02|012|23|13|02|03, 01|23|023|12|01|23|13, 01|02|012|02|01|23|03, 01|02|012|02|12|0  
 01|02|012|03|13|03|23, 01|02|012|03|12|02|23, 01|02|012|02|13|03|23, 01|02|012|02|13|02|23, 01|02|012|03|12|0  
 01|02|012|03|13|02|23, 01|02|012|02|12|03|23, 01|02|012|02|13|03|02, 01|02|012|02|13|23|02, 01|23|023|23|01|1  
 01|02|123|02|13|03|02, 01|02|013|02|13|23|02, 01|23|012|23|01|03|23, 01|23|012|03|13|03|02, 01|02|013|23|12|2  
 01|23|012|23|03|13|12, 01|02|013|02|12|23|03, 01|02|123|03|01|03|23, 01|02|123|02|01|03|23, 01|02|012|02|12|0  
 01|23|023|12|02|12|13, 01|02|012|23|12|23|03, 01|02|012|23|12|02|03, 01|23|023|23|02|12|13, 01|02|012|02|12|2  
 01|02|012|02|01|02|23, 01|02|012|03|01|03|23, 01|02|012|03|01|02|23, 01|02|012|02|01|03|23, 01|02|012|01|12|0  
 01|02|123|13|12|03|03, 01|02|123|01|12|03|03, 01|02|012|13|12|03|03, 01|23|023|02|23|01|01, 01|23|023|12|23|0  
 01|02|012|01|02|13|13, 01|02|023|03|02|13|13, 01|02|023|01|02|13|13, 01|02|012|03|02|13|13, 01|02|012|01|02|0  
 01|02|012|01|12|13|01, 01|02|012|01|12|03|01, 01|02|012|01|02|13|01, 01|23|012|01|02|03|01, 01|02|123|01|02|0  
 01|02|023|01|12|13|01, 01|02|123|01|12|03|01, 01|02|023|01|02|13|01, 01|23|023|01|12|13|01, 01|23|023|12|23|1  
 01|02|023|13|23|13|03, 01|23|023|01|23|12|02, 01|02|023|01|23|13|03, 01|02|023|13|02|13|03, 01|02|023|01|02|1  
 01|02|123|03|23|03|13, 01|02|123|01|23|03|13, 01|02|123|03|12|03|13, 01|02|123|01|12|03|13, 01|02|012|01|02|0  
 01|23|012|03|23|03|13, 01|02|012|13|23|13|03, 01|02|012|13|02|01|03, 01|23|012|01|23|03|13, 01|02|012|01|23|1  
 01|02|012|01|23|01|03, 01|23|012|01|23|01|03, 01|02|012|13|02|13|03, 01|02|012|13|23|01|03, 01|23|012|03|23|0  
 01|02|012|01|02|13|03, 01|02|012|01|12|01|13, 01|02|012|03|23|03|13, 01|02|012|03|12|01|13, 01|02|012|01|23|0  
 01|02|012|01|23|01|13, 01|02|012|03|12|03|13, 01|02|012|03|23|01|13, 01|02|012|01|12|03|13, 01|02|012|01|23|0  
 01|02|012|01|23|13|01, 01|23|012|01|23|03|01, 01|02|123|01|23|03|01, 01|02|023|01|23|13|01, 01|23|023|01|23|1  
 01|23|023|12|13|12|02, 01|02|023|13|12|13|03, 01|23|023|01|12|13|03, 01|02|023|01|12|13|03, 01|02|123|03|02|0  
 01|02|123|01|02|03|13, 01|02|012|01|12|01|03, 01|23|012|03|02|03|13, 01|02|012|13|12|13|03, 01|02|012|13|12|0  
 01|23|012|01|02|03|13, 01|02|012|01|12|13|03, 01|02|012|01|02|01|13, 01|02|012|03|02|03|13, 01|02|012|03|02|0  
 01|02|012|01|02|03|13, 01|01|023|12|01|23|23, 01|01|012|02|12|03|03, 01|01|023|23|02|13|13, 01|01|023|12|02|1  
 01|01|012|23|02|13|13, 01|02|012|12|01|23|23, 01|02|013|13|01|23|23, 01|02|013|12|01|23|23, 01|02|012|13|01|2  
 01|02|012|12|02|13|13, 01|02|023|23|02|13|13, 01|02|023|12|02|13|13, 01|02|012|23|02|13|13, 01|01|012|02|01|0  
 01|02|012|12|02|23|12, 01|02|012|12|01|13|12, 01|01|012|02|12|03|02, 01|02|012|12|01|23|12, 01|02|012|12|02|1  
 01|01|023|12|01|13|12, 01|02|013|12|02|23|12, 01|02|023|12|01|13|12, 01|01|023|12|02|13|12, 01|02|013|12|01|2  
 01|02|023|12|02|13|12, 01|02|023|13|03|13|23, 01|02|023|12|03|13|23, 01|02|023|13|02|13|23, 01|02|023|12|02|1

01|02|013|23|03|23|13, 01|02|013|12|03|23|13, 01|02|013|23|01|23|13, 01|02|013|12|01|23|13, 01|01|023|12|02|1  
 01|01|023|12|03|13|23, 01|01|023|12|03|12|23, 01|01|023|12|02|13|23, 01|01|012|02|01|02|03, 01|01|012|23|01|0  
 01|01|012|02|13|02|03, 01|01|012|23|03|12|13, 01|02|012|12|02|12|23, 01|02|012|13|03|13|23, 01|02|012|13|02|1  
 01|02|012|12|03|13|23, 01|02|012|12|03|12|23, 01|02|012|13|02|13|23, 01|02|012|13|03|12|23, 01|02|012|12|02|1  
 01|02|012|12|01|12|13, 01|02|012|23|03|23|13, 01|02|012|23|01|12|13, 01|02|012|12|03|23|13, 01|02|012|12|03|1  
 01|02|012|23|01|23|13, 01|02|012|23|03|12|13, 01|02|012|12|01|23|13, 01|01|012|02|12|02|23, 01|01|012|03|13|0  
 01|01|012|03|12|02|23, 01|01|012|02|13|03|23, 01|01|012|02|13|02|23, 01|01|012|03|12|03|23, 01|01|012|03|13|0  
 01|01|012|02|12|03|23, 01|01|012|02|13|03|02, 01|02|012|12|03|23|12, 01|02|012|12|03|13|12, 01|01|023|12|03|1  
 01|02|013|12|03|23|12, 01|02|023|12|03|13|12, 01|02|023|13|01|13|23, 01|02|023|12|01|13|23, 01|02|013|23|02|2  
 01|02|013|12|02|23|13, 01|01|023|12|01|12|23, 01|01|023|12|01|13|23, 01|01|012|02|12|02|03, 01|01|012|23|02|1  
 01|02|012|12|01|12|23, 01|02|012|13|01|13|23, 01|02|012|13|01|12|23, 01|02|012|12|01|13|23, 01|02|012|12|02|1  
 01|02|012|23|02|23|13, 01|02|012|23|02|12|13, 01|02|012|12|02|23|13, 01|01|012|02|01|02|23, 01|01|012|03|01|0  
 01|01|012|03|01|02|23, 01|01|012|02|01|03|23, 01|02|023|01|01|03|02, 01|02|023|12|12|23|02, 01|02|023|12|01|0  
 01|02|023|01|12|23|02, 01|23|023|12|12|23|02, 01|02|023|13|13|23|03, 01|23|023|01|12|23|02, 01|02|023|01|13|2  
 01|02|023|01|13|02|03, 01|02|023|13|13|02|03, 01|02|023|13|13|03|23, 01|02|023|12|13|03|23, 01|02|023|12|13|0  
 01|02|023|13|13|02|23, 01|02|023|01|13|03|02, 01|02|023|12|13|23|02, 01|02|023|12|13|03|02, 01|02|023|01|13|2  
 01|23|023|12|13|23|02, 01|02|023|13|12|23|03, 01|23|023|01|12|23|03, 01|02|023|01|12|23|03, 01|02|023|13|01|0  
 01|02|023|12|01|03|23, 01|02|013|02|02|03|01, 01|02|013|12|12|13|01, 01|02|013|12|02|03|01, 01|02|013|02|12|1  
 01|23|012|03|03|01|02, 01|02|013|23|23|13|03, 01|23|012|23|03|01|02, 01|02|013|02|23|13|03, 01|02|013|02|23|0  
 01|02|013|23|23|01|03, 01|02|013|23|23|03|13, 01|02|013|12|23|03|13, 01|02|013|12|23|01|13, 01|02|013|23|23|0  
 01|02|013|02|23|03|01, 01|02|013|12|23|13|01, 01|02|013|12|23|03|01, 01|02|013|02|23|13|01, 01|23|012|03|13|0  
 01|02|013|23|12|13|03, 01|23|012|23|03|01|12, 01|02|013|02|12|13|03, 01|02|013|23|02|03|13, 01|02|013|12|02|0  
 01|01|023|01|01|02|03, 01|02|123|02|02|23|12, 01|02|123|01|01|13|12, 01|01|023|12|01|03|02, 01|02|123|01|02|2  
 01|02|123|02|01|13|12, 01|01|023|01|12|03|02, 01|01|023|12|01|23|02, 01|01|023|12|12|03|02, 01|01|023|01|01|2  
 01|02|123|03|03|13|23, 01|02|123|02|03|13|23, 01|02|123|02|03|12|23, 01|02|123|03|03|12|23, 01|02|123|03|03|2  
 01|02|123|01|03|23|13, 01|02|123|01|03|12|13, 01|02|123|03|03|12|13, 01|01|023|12|12|02|23, 01|01|023|12|13|0  
 01|01|023|12|13|02|23, 01|01|023|12|12|03|23, 01|01|023|01|12|02|03, 01|02|123|02|03|23|12, 01|02|123|01|03|1  
 01|01|023|12|13|03|02, 01|02|123|01|03|23|12, 01|02|123|02|03|13|12, 01|02|123|03|01|13|23, 01|02|123|02|01|1  
 01|02|123|03|02|23|13, 01|02|123|01|02|23|13, 01|01|023|12|01|02|23, 01|01|023|12|01|03|23, 01|01|012|02|12|0  
 01|01|012|02|02|13|01, 01|01|023|23|02|13|03, 01|01|023|02|02|13|03, 01|01|023|12|02|13|01, 01|01|023|02|02|1  
 01|01|012|02|02|01|03, 01|01|012|23|02|01|03, 01|01|012|23|02|13|03, 01|01|012|02|02|13|03, 01|01|012|02|12|0  
 01|01|012|23|02|01|13, 01|02|012|01|01|03|02, 01|02|012|12|12|23|02, 01|02|012|12|01|03|02, 01|02|012|01|12|2  
 01|02|012|01|12|03|02, 01|02|012|12|01|23|02, 01|02|012|12|12|03|02, 01|02|012|01|01|23|02, 01|23|012|02|02|2  
 01|02|013|13|13|23|03, 01|23|012|01|02|23|12, 01|02|013|01|13|23|03, 01|23|012|02|01|23|12, 01|02|013|13|01|2  
 01|23|012|01|01|23|02, 01|02|013|01|01|23|03, 01|02|123|13|13|03|23, 01|02|123|12|13|03|23, 01|02|123|13|12|0  
 01|02|123|12|12|03|23, 01|02|123|01|01|03|02, 01|02|013|12|12|23|02, 01|02|123|12|01|03|02, 01|02|013|01|12|2  
 01|02|123|01|12|03|02, 01|02|013|12|01|23|02, 01|02|123|12|12|03|02, 01|02|013|01|01|23|02, 01|02|012|01|01|0  
 01|23|012|03|03|23|13, 01|02|012|13|13|23|03, 01|02|012|13|01|02|03, 01|23|012|01|03|23|13, 01|02|012|01|13|2  
 01|02|012|01|13|02|03, 01|23|012|03|01|23|13, 01|02|012|13|01|23|03, 01|02|012|13|13|02|03, 01|23|012|01|01|2  
 01|02|012|01|01|23|03, 01|02|012|12|12|02|23, 01|02|012|13|13|03|23, 01|02|012|13|12|02|23, 01|02|012|12|13|0  
 01|02|012|12|13|02|23, 01|02|012|13|12|03|23, 01|02|012|13|13|02|23, 01|02|012|12|12|03|23, 01|02|012|01|13|0  
 01|02|012|12|13|23|02, 01|02|012|12|13|03|02, 01|02|012|01|13|23|02, 01|23|012|02|03|23|12, 01|02|013|13|12|2

01|23|012|01|03|23|12, 01|02|013|01|12|23|03, 01|02|123|13|01|03|23, 01|02|123|12|01|03|23, 01|02|123|01|13|0  
 01|02|013|12|13|23|02, 01|02|123|12|13|03|02, 01|02|013|01|13|23|02, 01|02|012|01|12|02|03, 01|23|012|03|02|2  
 01|02|012|13|12|23|03, 01|02|012|13|12|02|03, 01|23|012|01|02|23|13, 01|02|012|01|12|23|03, 01|02|012|12|01|0  
 01|02|012|13|01|03|23, 01|02|012|13|01|02|23, 01|02|012|12|01|03|23, 01|02|012|02|02|03|01, 01|02|012|12|12|1  
 01|02|012|12|02|03|01, 01|02|012|02|12|13|01, 01|02|012|02|12|03|01, 01|02|012|12|02|13|01, 01|02|012|12|12|0  
 01|02|012|02|02|13|01, 01|23|023|02|02|01|03, 01|02|023|23|23|13|03, 01|23|023|23|02|01|03, 01|02|023|02|23|1  
 01|23|023|02|23|01|03, 01|02|023|23|02|13|03, 01|23|023|23|23|01|02, 01|02|023|02|02|13|03, 01|02|123|23|23|0  
 01|02|123|12|23|03|13, 01|02|123|23|12|03|13, 01|02|123|12|12|03|13, 01|02|123|02|02|03|01, 01|02|023|12|12|1  
 01|02|123|12|02|03|01, 01|02|023|02|12|13|01, 01|02|123|02|12|03|01, 01|02|023|12|02|13|01, 01|02|123|12|12|0  
 01|02|023|02|02|13|01, 01|02|012|02|02|01|03, 01|23|023|12|12|01|13, 01|02|012|23|23|13|03, 01|02|012|23|02|0  
 01|23|023|23|12|01|13, 01|02|012|02|23|13|03, 01|02|012|02|23|01|03, 01|23|023|12|23|01|13, 01|02|012|23|02|1  
 01|02|012|23|23|01|03, 01|23|023|23|23|01|12, 01|02|012|02|02|13|03, 01|02|012|12|12|01|13, 01|02|012|23|23|0  
 01|02|012|23|12|01|13, 01|02|012|12|23|03|13, 01|02|012|12|23|01|13, 01|02|012|23|12|03|13, 01|02|012|23|23|0  
 01|02|012|12|12|03|13, 01|02|012|02|23|03|01, 01|02|012|12|23|13|01, 01|02|012|12|23|03|01, 01|02|012|02|23|1  
 01|23|023|02|12|01|03, 01|02|023|23|12|13|03, 01|23|023|23|12|01|03, 01|02|023|02|12|13|03, 01|02|123|23|02|0  
 01|02|123|12|02|03|13, 01|02|123|02|23|03|01, 01|02|023|12|23|13|01, 01|02|123|12|23|03|01, 01|02|023|02|23|1  
 01|02|012|02|12|01|03, 01|23|023|12|02|01|13, 01|02|012|23|12|13|03, 01|02|012|23|12|01|03, 01|23|023|23|02|0  
 01|02|012|02|12|13|03, 01|02|012|12|02|01|13, 01|02|012|23|02|03|13, 01|02|012|23|02|01|13, 01|02|012|12|02|0  
 01|01|012|01|01|03|02, 01|02|012|02|02|23|12, 01|02|012|01|01|13|12, 01|01|012|02|01|13|12, 01|02|012|01|02|2  
 01|02|012|02|01|13|12, 01|01|012|01|02|13|12, 01|02|012|02|01|23|12, 01|02|012|01|02|13|12, 01|01|012|02|02|1  
 01|02|012|01|01|23|12, 01|02|012|02|02|13|12, 01|02|023|03|03|13|23, 01|02|023|02|03|13|23, 01|02|023|03|02|1  
 01|02|023|02|02|13|23, 01|02|013|03|03|23|13, 01|02|013|01|03|23|13, 01|02|013|03|01|23|13, 01|02|013|01|01|2  
 01|01|023|02|02|12|23, 01|01|023|02|03|13|23, 01|01|023|02|03|12|23, 01|01|023|02|02|13|23, 01|01|012|01|01|0  
 01|01|023|02|02|23|12, 01|01|023|01|01|12|13, 01|02|013|02|02|23|12, 01|02|023|01|01|13|12, 01|01|012|03|01|1  
 01|01|023|01|02|23|12, 01|01|023|02|01|13|12, 01|02|013|01|02|23|12, 01|02|023|02|01|13|12, 01|01|012|01|03|1  
 01|01|023|02|01|23|12, 01|01|023|01|02|13|12, 01|02|013|02|01|23|12, 01|02|023|01|02|13|12, 01|01|012|03|03|1  
 01|01|023|01|01|23|12, 01|01|023|02|02|13|12, 01|02|013|01|01|23|12, 01|02|023|02|02|13|12, 01|02|012|02|02|1  
 01|02|012|03|03|13|23, 01|02|012|03|02|12|23, 01|02|012|02|03|13|23, 01|02|012|02|03|12|23, 01|02|012|03|02|1  
 01|02|012|03|03|12|23, 01|02|012|02|02|13|23, 01|02|012|01|01|12|13, 01|02|012|03|03|23|13, 01|02|012|03|01|1  
 01|02|012|01|03|23|13, 01|02|012|01|03|12|13, 01|02|012|03|01|23|13, 01|02|012|03|03|12|13, 01|02|012|01|01|2  
 01|01|012|02|02|12|23, 01|01|012|03|03|13|23, 01|01|012|03|02|12|23, 01|01|012|02|03|13|23, 01|01|012|02|03|1  
 01|01|012|03|02|13|23, 01|01|012|03|03|12|23, 01|01|012|02|02|13|23, 01|01|012|01|03|13|12, 01|02|012|02|03|2  
 01|02|012|01|03|13|12, 01|01|012|02|03|13|12, 01|02|012|01|03|23|12, 01|02|012|02|03|13|12, 01|02|023|03|01|1  
 01|02|023|02|01|13|23, 01|02|013|03|02|23|13, 01|02|013|01|02|23|13, 01|01|023|02|01|12|23, 01|01|023|02|01|1  
 01|01|012|01|02|12|13, 01|01|023|02|03|23|12, 01|01|023|01|02|12|13, 01|02|013|02|03|23|12, 01|02|023|01|03|1  
 01|01|012|03|02|12|13, 01|01|023|01|02|23|13, 01|01|023|02|03|13|12, 01|02|013|01|03|23|12, 01|02|023|02|03|1  
 01|02|012|02|01|12|23, 01|02|012|03|01|13|23, 01|02|012|03|01|12|23, 01|02|012|02|01|13|23, 01|02|012|01|02|1  
 01|02|012|03|02|23|13, 01|02|012|03|02|12|13, 01|02|012|01|02|23|13, 01|01|012|02|01|12|23, 01|01|012|03|01|1  
 01|01|012|03|01|12|23, 01|01|012|02|01|13|23, 01|02|012|02|02|13|02, 01|02|012|01|01|23|01, 01|01|012|02|02|1  
 01|02|012|12|12|03|12, 01|02|012|01|02|13|02, 01|02|012|12|02|13|02, 01|02|012|02|01|23|01, 01|02|012|12|01|2  
 01|01|012|01|02|13|02, 01|02|012|02|12|03|12, 01|02|012|01|12|03|12, 01|01|012|02|12|03|12, 01|02|012|02|01|1  
 01|02|012|02|12|13|02, 01|02|012|01|02|23|01, 01|02|012|01|12|23|01, 01|01|012|02|01|13|02, 01|02|012|12|02|0

01	02	012	12	01	03	12, 01	02	012	01	01	13	02, 01	02	012	12	12	13	02, 01	02	012	12	01	13	02, 01	02	012	01	12	13
01	02	012	02	02	23	01, 01	02	012	12	12	23	01, 01	02	012	12	02	23	01, 01	02	012	02	12	23	01, 01	01	012	01	01	01
01	02	012	02	02	03	12, 01	02	012	01	01	03	12, 01	01	012	02	01	03	12, 01	02	012	01	02	03	12, 01	02	012	02	01	01
01	02	023	02	02	13	02, 01	23	023	23	23	01	23, 01	02	023	02	03	13	02, 01	02	023	02	23	13	02, 01	23	023	23	02	01
01	23	023	02	02	12	03, 01	02	023	23	23	12	03, 01	23	023	23	02	12	03, 01	02	023	02	23	12	03, 01	02	023	03	03	01
01	02	023	02	03	01	23, 01	02	013	01	01	23	01, 01	23	012	01	01	23	01, 01	02	013	01	03	23	01, 01	02	013	01	13	23
01	23	012	01	02	23	01, 01	23	012	02	02	03	12, 01	02	013	13	13	12	03, 01	23	012	01	02	03	12, 01	02	013	01	13	13
01	02	013	03	03	02	13, 01	02	013	01	03	02	13, 01	01	023	02	02	13	02, 01	02	123	12	12	03	12, 01	01	023	02	23	01
01	01	023	02	03	13	02, 01	02	123	12	23	03	12, 01	02	123	12	13	03	12, 01	02	123	13	13	01	23, 01	02	123	12	13	01
01	02	123	23	23	02	13, 01	02	123	12	23	02	13, 01	01	023	02	02	01	23, 01	01	023	02	03	01	23, 01	01	023	01	01	23
01	02	023	01	02	13	02, 01	02	023	12	02	13	02, 01	02	013	02	01	23	01, 01	02	013	12	01	23	01, 01	01	023	01	02	13
01	02	123	02	12	03	12, 01	02	123	01	12	03	12, 01	01	023	12	02	13	02, 01	01	012	01	03	12	03, 01	01	023	02	12	01
01	01	023	01	12	03	12, 01	01	012	03	13	02	13, 01	02	023	02	01	13	02, 01	02	023	02	12	13	02, 01	02	013	01	02	23
01	02	013	01	12	23	01, 01	01	023	02	01	13	02, 01	02	123	12	02	03	12, 01	02	123	12	01	03	12, 01	01	023	01	02	23
01	02	123	02	01	13	02, 01	02	013	02	12	13	02, 01	02	123	01	02	23	01, 01	02	023	01	12	23	01, 01	01	023	12	01	01
01	02	013	12	02	03	12, 01	02	023	12	01	03	12, 01	02	023	01	01	13	02, 01	02	023	12	12	13	02, 01	02	023	12	01	13
01	02	023	01	12	13	02, 01	02	013	02	02	23	01, 01	02	013	12	12	23	01, 01	02	013	12	02	23	01, 01	02	013	02	12	23
01	01	023	01	01	12	03, 01	02	123	02	02	03	12, 0																	

01|01|012|03|02|01|23, 01|01|012|02|03|01|23, 01|02|023|01|03|13|02, 01|02|023|12|23|13|02, 01|02|023|12|03|1  
01|02|023|01|23|13|02, 01|23|023|12|23|13|02, 01|02|023|13|23|12|03, 01|23|023|01|23|12|03, 01|02|023|01|23|1  
01|02|023|13|03|01|23, 01|02|023|12|03|01|23, 01|02|013|02|03|23|01, 01|02|013|12|13|23|01, 01|02|013|12|03|2  
01|02|013|02|13|23|01, 01|23|012|03|01|13|02, 01|02|013|23|13|12|03, 01|23|012|23|01|03|12, 01|02|013|02|13|1  
01|02|013|23|03|02|13, 01|02|013|12|03|02|13, 01|01|023|01|02|12|03, 01|02|123|02|23|03|12, 01|02|123|01|13|0  
01|01|023|12|03|13|02, 01|02|123|01|23|03|12, 01|02|123|02|13|03|12, 01|02|123|03|13|01|23, 01|02|123|02|13|  
01|02|123|03|23|02|13, 01|02|123|01|23|02|13, 01|01|023|12|02|01|23, 01|01|023|12|03|01|23, 01|01|012|02|01|1  
01|01|012|23|01|02|13, 01|02|012|01|03|13|02, 01|02|012|12|23|13|02, 01|02|012|12|03|13|02, 01|02|012|01|23|1  
01|23|012|02|23|03|12, 01|02|013|13|23|12|03, 01|23|012|01|23|03|12, 01|02|013|01|23|12|03, 01|02|123|13|03|0  
01|02|123|12|03|01|23, 01|02|123|01|03|13|02, 01|02|013|12|23|13|02, 01|02|123|12|03|13|02, 01|02|013|01|23|1  
01|02|012|01|02|12|03, 01|23|012|03|23|02|13, 01|02|012|13|23|12|03, 01|02|012|13|02|12|03, 01|23|012|01|23|0  
01|02|012|01|23|12|03, 01|02|012|12|02|01|23, 01|02|012|13|03|01|23, 01|02|012|13|02|01|23, 01|02|012|12|03|0  
01|02|012|02|03|23|01, 01|02|012|12|13|23|01, 01|02|012|12|03|23|01, 01|02|012|02|13|23|01, 01|23|023|02|01|1  
01|02|023|23|13|12|03, 01|23|023|23|01|12|03, 01|02|023|02|13|12|03, 01|02|123|23|03|02|13, 01|02|123|12|03|0  
01|02|123|02|03|23|01, 01|02|023|12|13|23|01, 01|02|123|12|03|23|01, 01|02|023|02|13|23|01, 01|02|012|02|01|1  
01|23|023|12|01|02|13, 01|02|012|23|13|12|03, 01|02|012|23|01|12|03, 01|23|023|23|01|02|13, 01|02|012|02|13|1  
01|02|012|12|01|02|13, 01|02|012|23|03|02|13, 01|02|012|23|01|02|13, 01|02|012|12|03|02|13, 01|01|012|01|03|1  
01|02|012|02|23|03|12, 01|02|012|01|13|03|12, 01|01|012|02|13|03|12, 01|02|012|01|23|03|12, 01|02|012|02|13|0  
01|02|023|03|13|01|23, 01|02|023|02|13|01|23, 01|02|013|03|23|02|13, 01|02|013|01|23|02|13, 01|01|023|02|12|0  
01|01|023|02|13|01|23, 01|01|012|01|02|12|03, 01|01|023|02|23|03|12, 01|01|023|01|12|02|13, 01|02|013|02|23|0  
01|02|023|01|13|03|12, 01|01|012|03|12|02|13, 01|01|023|01|23|02|13, 01|01|023|02|13|03|12, 01|02|013|01|23|0  
01|02|023|02|13|03|12, 01|02|012|02|12|01|23, 01|02|012|03|13|01|23, 01|02|012|03|12|01|23, 01|02|012|02|13|0  
01|02|012|01|12|02|13, 01|02|012|03|23|02|13, 01|02|012|03|12|02|13, 01|02|012|01|23|02|13, 01|01|012|02|12|0  
01|01|012|03|13|01|23, 01|01|012|03|12|01|23, 01|01|012|02|13|01|23, 01|02|013|02|13|13|02, 01|02|123|02|13|1  
01|02|023|01|23|23|01, 01|02|123|01|23|23|01, 01|02|023|12|03|03|12, 01|02|013|12|03|03|12, 01|01|023|12|03|0  
01|02|013|01|13|13|02, 01|02|123|12|13|13|02, 01|02|123|01|13|13|02, 01|02|013|12|13|13|02, 01|02|023|02|23|2  
01|02|123|12|23|23|01, 01|02|123|02|23|23|01, 01|02|023|12|23|23|01, 01|02|023|02|03|03|12, 01|02|013|01|03|0  
01|01|023|02|03|03|12, 01|01|023|01|02|02|13, 01|02|013|02|03|03|12, 01|02|023|01|03|03|12, 01|23|012|23|01|0  
01|02|012|02|12|12|03, 01|23|023|23|02|02|13, 01|23|023|12|02|02|13, 01|02|012|23|12|12|03, 01|02|012|02|01|0  
01|02|012|03|01|01|23, 01|23|023|01|23|23|01, 01|02|012|01|12|12|03, 01|23|012|01|02|02|13, 01|23|012|03|02|0  
01|02|012|13|12|12|03, 01|02|012|01|02|02|13, 01|02|012|03|02|02|13, 01|02|012|12|01|01|23, 01|02|012|13|01|0  
01|02|012|12|02|02|13, 01|02|012|23|02|02|13, 01|01|012|02|01|01|23, 01|01|012|03|01|01|23, 01|02|023|12|02|0  
01|02|023|23|02|02|13, 01|02|013|12|01|01|23, 01|02|013|13|01|01|23, 01|02|023|13|03|03|12, 01|02|013|23|03|0  
01|01|023|12|02|02|13, 01|01|023|23|02|02|13, 01|02|013|13|03|03|12, 01|02|023|23|03|03|12, 01|01|012|23|01|0  
01|02|023|01|02|02|13, 01|02|023|03|02|02|13, 01|23|023|12|23|23|01, 01|23|023|02|23|23|01, 01|23|023|01|02|0  
01|02|123|01|12|12|03, 01|02|123|13|12|12|03, 01|23|023|02|03|03|12, 01|02|023|13|23|23|01, 01|02|123|03|23|2  
01|02|123|13|23|23|01, 01|02|023|03|23|23|01, 01|02|023|13|02|02|13, 01|02|012|13|02|02|13, 01|02|013|02|01|0  
01|02|013|03|01|01|23, 01|23|012|23|02|02|13, 01|02|123|02|12|12|03, 01|02|123|23|12|12|03, 01|23|012|02|12|1  
01|23|012|03|01|01|23, 01|23|012|02|01|01|23, 01|02|013|23|13|13|02, 01|02|123|03|13|13|02, 01|02|123|23|13|1  
01|02|013|03|13|13|02, 01|02|013|23|01|01|23, 01|02|012|23|01|01|23, 01|02|123|03|12|12|03, 01|23|012|03|12|1  
01|23|023|12|03|03|12, 01|02|012|03|12|12|03, 01|02|023|03|12|02|13, 01|02|023|01|23|02|13, 01|02|023|01|12|0  
01|02|023|03|23|02|13, 01|02|013|03|12|01|23, 01|02|013|02|13|01|23, 01|02|013|02|12|01|23, 01|02|013|03|13|0

01|02|013|02|13|03|12, 01|02|023|01|23|03|12, 01|02|013|01|13|03|12, 01|02|023|02|23|03|12, 01|02|013|03|12|0  
 01|02|013|01|12|02|13, 01|02|023|03|12|01|23, 01|02|023|02|12|01|23, 01|02|023|23|01|02|13, 01|02|023|12|03|0  
 01|02|023|12|01|02|13, 01|02|023|23|03|02|13, 01|23|023|02|13|23|01, 01|23|023|12|03|23|01, 01|23|023|12|13|2  
 01|23|023|02|03|23|01, 01|23|012|02|13|12|03, 01|02|123|23|01|12|03, 01|02|123|02|13|12|03, 01|23|012|23|01|0  
 01|23|023|12|03|02|13, 01|23|012|23|03|02|13, 01|02|123|02|01|12|03, 01|02|123|23|13|12|03, 01|23|012|02|01|1  
 01|23|023|23|02|03|12, 01|02|123|02|13|23|01, 01|02|023|12|03|23|01, 01|02|123|12|13|23|01, 01|02|023|02|03|2  
 01|02|123|23|01|02|13, 01|02|123|12|01|02|13, 01|23|012|02|13|23|01, 01|23|012|02|03|23|01, 01|23|023|02|13|1  
 01|02|023|23|01|12|03, 01|23|023|23|12|13|02, 01|02|023|02|01|12|03, 01|02|013|13|02|01|23, 01|02|013|12|03|0  
 01|02|013|12|02|01|23, 01|02|013|13|03|01|23, 01|23|023|02|13|03|12, 01|02|123|13|02|12|03, 01|02|123|01|23|1  
 01|23|012|03|12|02|13, 01|23|023|01|23|02|13, 01|23|023|01|12|02|13, 01|02|123|01|02|12|03, 01|02|123|13|23|1  
 01|23|012|01|02|12|03, 01|23|023|02|23|03|12, 01|23|012|02|13|01|23, 01|23|012|03|12|01|23, 01|23|012|03|13|0  
 01|23|012|02|12|01|23, 01|02|123|01|23|13|02, 01|02|013|12|03|13|02, 01|02|123|12|23|13|02, 01|02|013|01|03|1  
 01|02|123|13|02|01|23, 01|02|123|12|02|01|23, 01|23|012|02|13|03|12, 01|02|013|13|02|12|03, 01|23|012|01|03|1  
 01|02|013|01|02|12|03, 01|23|023|02|13|01|23, 01|23|023|02|12|01|23, 01|02|023|23|01|03|12, 01|02|013|13|02|0  
 01|01|023|23|01|02|13, 01|01|023|12|03|02|13, 01|02|013|23|01|03|12, 01|02|023|13|02|03|12, 01|02|023|13|01|0  
 01|02|013|23|02|03|12, 01|01|023|12|01|02|13, 01|01|023|23|02|03|12, 01|02|013|13|01|03|12, 01|02|023|23|02|0  
 01|02|023|03|12|23|01, 01|02|123|13|02|23|01, 01|02|123|03|12|23|01, 01|02|023|13|02|23|01, 01|02|023|13|12|2  
 01|02|123|03|02|23|01, 01|02|123|13|12|23|01, 01|02|023|03|02|23|01, 01|02|013|03|12|13|02, 01|02|123|23|01|1  
 01|02|123|03|12|13|02, 01|02|013|23|01|13|02, 01|02|013|23|12|13|02, 01|02|123|03|01|13|02, 01|02|123|23|12|1  
 01|02|013|03|01|13|02, 01|01|023|12|03|23|01, 01|01|023|02|03|23|01, 01|02|123|23|01|03|12, 01|02|123|13|02|0  
 01|01|023|23|01|12|03, 01|02|123|13|01|03|12, 01|02|123|23|02|03|12, 01|01|023|02|01|12|03, 01|02|013|03|12|2  
 01|02|013|13|02|23|01, 01|02|013|13|12|23|01, 01|02|013|03|02|23|01, 01|02|023|03|12|13|02, 01|02|023|23|01|1  
 01|02|023|23|12|13|02, 01|02|023|03|01|13|02, 01|02|123|03|12|02|13, 01|02|123|01|12|02|13, 01|02|123|03|12|0  
 01|02|123|02|12|01|23, 01|02|013|23|01|02|13, 01|02|013|12|01|02|13, 01|23|012|03|12|23|01, 01|23|012|03|02|2  
 01|23|012|03|12|13|02, 01|02|013|23|01|12|03, 01|23|012|23|02|03|12, 01|02|013|02|01|12|03, 01|02|023|13|02|0  
 01|02|023|12|02|01|23, 01|23|023|12|03|13|02, 01|02|023|13|02|12|03, 01|23|023|01|02|12|03, 01|02|023|01|02|1  
 01|23|023|12|03|01|23, 01|23|023|12|02|01|23, 01|02|012|23|01|03|12, 01|02|012|13|02|03|12, 01|01|012|23|01|0  
 01|02|012|13|01|03|12, 01|02|012|23|02|03|12, 01|01|012|03|01|13|02, 01|02|012|03|12|23|01, 01|02|012|13|02|2  
 01|02|012|13|12|23|01, 01|02|012|03|02|23|01, 01|02|012|03|12|13|02, 01|02|012|23|01|13|02, 01|02|012|23|12|1  
 01|02|012|03|01|13|02, 01|02|023|23|12|02|13, 01|02|023|12|23|02|13, 01|02|023|12|12|02|13, 01|02|023|23|23|0  
 01|02|013|13|12|01|23, 01|02|013|12|13|01|23, 01|02|013|12|12|01|23, 01|02|013|13|13|01|23, 01|02|023|23|13|0  
 01|02|013|13|23|03|12, 01|01|023|23|12|02|13, 01|01|023|12|23|02|13, 01|02|013|23|13|03|12, 01|02|023|13|23|0  
 01|02|023|13|13|03|12, 01|02|013|23|23|03|12, 01|01|023|12|12|02|13, 01|01|023|23|23|02|13, 01|02|013|13|13|0  
 01|02|023|23|23|03|12, 01|02|013|23|12|02|13, 01|02|013|12|12|02|13, 01|02|023|13|12|01|23, 01|02|023|12|12|0  
 01|02|012|23|13|03|12, 01|02|012|13|23|03|12, 01|01|012|23|03|13|02, 01|02|012|13|13|03|12, 01|02|012|23|23|0  
 01|01|012|03|03|13|02, 01|01|012|23|03|01|23, 01|01|012|23|02|01|23, 01|02|012|13|23|02|13, 01|02|023|13|12|0  
 01|02|023|13|23|02|13, 01|02|012|13|12|02|13, 01|02|012|23|13|01|23, 01|02|013|23|12|01|23, 01|02|013|23|13|0  
 01|02|012|23|12|01|23, 01|01|023|12|23|03|12, 01|02|013|12|13|03|12, 01|02|023|12|23|03|12, 01|01|012|03|02|1  
 01|01|023|23|12|01|23, 01|02|013|13|23|02|13, 01|02|013|13|12|02|13, 01|02|023|23|13|01|23, 01|02|023|23|12|0  
 01|02|023|13|12|03|12, 01|02|013|23|12|03|12, 01|02|013|13|12|03|12, 01|02|023|23|12|03|12, 01|02|013|23|13|0  
 01|02|013|12|13|02|13, 01|02|023|13|23|01|23, 01|02|023|12|23|01|23, 01|01|012|23|02|13|02, 01|02|012|13|12|0  
 01|02|012|23|12|03|12, 01|01|012|03|02|13|02, 01|02|023|03|01|02|13, 01|02|023|01|03|02|13, 01|02|023|01|01|0

15

01|02|123|13|13|03|12, 01|02|123|23|23|03|12, 01|01|023|02|02|12|03, 01|01|023|23|02|01|23, 01|02|123|13|23|0  
01|02|123|13|12|02|13, 01|02|123|23|13|01|23, 01|02|123|23|12|01|23, 01|02|123|23|13|02|13, 01|02|123|12|13|0  
01|02|123|13|23|01|23, 01|02|123|12|23|01|23, 01|01|023|23|02|13|02, 01|02|123|13|12|03|12, 01|02|123|23|12|0  
01|01|023|02|03|12|03, 01|01|023|23|23|01|23, 01|02|123|13|13|02|13, 01|02|123|23|23|01|23, 01|02|013|03|01|0  
01|02|013|01|01|02|13, 01|23|012|02|12|23|01, 01|23|012|02|02|23|01, 01|23|012|02|01|03|12, 01|02|013|13|01|1  
01|23|012|01|01|03|12, 01|02|013|01|01|12|03, 01|02|013|03|13|23|01, 01|02|013|13|03|23|01, 01|02|013|13|13|2  
01|02|013|03|03|23|01, 01|02|013|13|03|02|13, 01|02|013|13|01|02|13, 01|02|013|03|13|12|03, 01|23|012|02|01|1  
01|23|012|02|12|13|02, 01|02|013|03|01|12|03, 01|02|013|03|13|02|13, 01|02|013|01|13|02|13, 01|23|012|02|01|2  
01|02|013|13|03|12|03, 01|23|012|01|02|13|02, 01|23|012|02|12|03|12, 01|02|013|01|03|12|03, 01|02|013|13|01|2  
01|02|013|03|01|23|01, 01|02|013|13|13|02|13, 01|23|012|02|02|13|02, 01|02|013|03|03|12|03, 01|02|023|03|02|0  
01|02|023|02|02|01|23, 01|23|023|02|23|12|03, 01|02|023|23|02|12|03, 01|23|023|23|23|12|03, 01|02|023|02|02|1  
01|23|023|02|03|01|23, 01|23|023|02|02|01|23, 01|02|023|03|23|13|02, 01|02|023|23|03|13|02, 01|02|023|23|23|1  
01|02|023|03|03|13|02, 01|02|023|23|03|01|23, 01|02|023|23|02|01|23, 01|02|023|03|23|12|03, 01|23|023|02|03|1  
01|23|023|02|23|13|02, 01|02|023|03|02|12|03, 01|02|023|03|23|01|23, 01|02|023|02|23|01|23, 01|02|023|23|03|1  
01|23|023|02|03|12|03, 01|23|023|23|02|13|02, 01|02|023|02|03|12|03, 01|23|023|02|23|01|23, 01|02|023|23|02|1  
01|02|023|03|02|13|02, 01|02|023|23|23|01|23, 01|23|023|02|02|13|02, 01|02|023|03|03|12|03, 01|02|023|03|02|1  
01|02|023|01|02|23|13, 01|02|023|01|02|12|13, 01|02|023|03|02|23|13, 01|02|013|03|01|12|23, 01|02|013|02|01|1  
01|02|013|02|01|12|23, 01|02|013|03|01|13|23, 01|02|013|02|03|13|12, 01|02|023|01|03|23|12, 01|02|013|01|03|1  
01|02|023|02|03|23|12, 01|02|013|03|02|12|13, 01|02|013|01|02|12|13, 01|02|023|03|01|12|23, 01|02|023|02|01|1  
01|02|023|03|03|12|13, 01|02|023|01|01|23|13, 01|02|023|01|03|12|13, 01|02|023|03|01|23|13, 01|02|023|03|01|1  
01|02|023|01|03|23|13, 01|02|023|01|01|12|13, 01|02|023|03|03|23|13, 01|02|013|03|03|12|23, 01|02|013|02|02|1  
01|02|013|02|03|12|23, 01|02|013|03|02|13|23, 01|02|013|03|02|12|23, 01|02|013|02|03|13|23, 01|02|013|02|02|1  
01|02|013|03|03|13|23, 01|02|013|02|02|13|12, 01|02|023|01|01|23|12, 01|02|013|01|02|13|12, 01|02|023|02|01|2  
01|02|013|02|01|13|12, 01|02|023|01|02|23|12, 01|02|013|01|01|13|12, 01|02|023|02|02|23|12, 01|02|013|03|03|1  
01|02|013|01|03|12|13, 01|02|013|03|01|12|13, 01|02|013|01|01|12|13, 01|02|023|03|03|12|23, 01|02|023|02|03|1  
01|02|023|03|02|12|23, 01|02|023|02|02|12|23, 01|02|023|23|02|01|13, 01|02|023|12|02|03|13, 01|02|023|12|02|0  
01|02|023|23|02|03|13, 01|23|023|02|23|13|01, 01|23|023|12|23|03|01, 01|23|023|12|23|13|01, 01|23|023|02|23|0  
01|23|012|02|12|13|03, 01|02|123|23|12|01|03, 01|02|123|02|12|13|03, 01|23|012|23|02|01|13, 01|23|023|12|02|0  
01|23|012|23|02|03|13, 01|02|123|02|12|01|03, 01|02|123|23|12|13|03, 01|23|012|02|12|01|03, 01|23|023|23|02|0  
01|02|123|02|23|13|01, 01|02|023|12|23|03|01, 01|02|123|12|23|13|01, 01|02|023|02|23|03|01, 01|02|123|23|02|0  
01|02|123|12|02|01|13, 01|23|012|02|23|13|01, 01|23|012|02|23|03|01, 01|23|023|02|12|13|03, 01|02|023|23|12|0  
01|23|023|23|12|13|03, 01|02|023|02|12|01|03, 01|02|023|23|23|01|13, 01|02|023|12|12|03|13, 01|02|023|12|23|0  
01|02|023|23|12|03|13, 01|02|023|23|12|01|13, 01|02|023|12|23|03|13, 01|02|023|12|12|01|13, 01|02|023|23|23|0  
01|23|023|02|02|13|01, 01|23|023|12|12|03|01, 01|23|023|12|02|13|01, 01|23|023|02|12|03|01, 01|23|023|02|12|1  
01|23|023|12|02|03|01, 01|23|023|12|12|13|01, 01|23|023|02|02|03|01, 01|23|012|02|02|13|03, 01|02|123|23|23|0  
01|02|123|02|02|13|03, 01|23|012|23|23|01|03, 01|23|023|12|12|03|13, 01|23|012|23|02|13|03, 01|02|123|02|23|0  
01|02|123|23|02|13|03, 01|23|012|02|23|01|03, 01|23|023|23|12|03|13, 01|23|012|02|23|13|03, 01|02|123|23|02|0  
01|02|123|02|23|13|03, 01|23|012|23|02|01|03, 01|23|023|12|23|03|13, 01|23|012|23|23|03|13, 01|02|123|02|02|0  
01|02|123|23|23|13|03, 01|23|012|02|02|01|03, 01|23|023|23|23|02|12, 01|02|123|02|02|13|01, 01|02|023|12|12|0  
01|02|123|12|02|13|01, 01|02|023|02|12|03|01, 01|02|123|02|12|13|01, 01|02|023|12|02|03|01, 01|02|123|12|12|1  
01|02|023|02|02|03|01, 01|02|123|23|23|01|13, 01|02|123|12|23|01|13, 01|02|123|23|12|01|13, 01|02|123|12|12|0  
01|23|012|02|02|13|01, 01|23|012|02|12|03|01, 01|23|012|02|12|13|01, 01|23|012|02|02|03|01, 01|23|023|02|02|1



01|02|023|23|23|01|03, 01|23|023|23|02|13|03, 01|02|023|02|23|01|03, 01|23|023|02|23|13|03, 01|02|023|23|02|0  
01|23|023|23|23|12|02, 01|02|023|02|02|01|03, 01|02|013|13|01|02|23, 01|02|013|12|01|03|23, 01|02|013|12|01|0  
01|02|013|13|01|03|23, 01|23|023|02|03|13|12, 01|02|123|13|12|02|03, 01|02|123|01|12|23|03, 01|23|012|03|02|1  
01|23|023|01|02|23|13, 01|23|023|01|02|12|13, 01|02|123|01|12|02|03, 01|02|123|13|12|23|03, 01|23|012|01|02|1  
01|23|023|02|03|23|12, 01|23|012|02|01|13|23, 01|23|012|03|01|12|23, 01|23|012|03|01|13|23, 01|23|012|02|01|1  
01|02|123|01|13|23|02, 01|02|013|12|13|03|02, 01|02|123|12|13|23|02, 01|02|013|01|13|03|02, 01|02|123|13|01|  
01|02|123|12|01|02|23, 01|23|012|02|03|13|12, 01|02|013|13|12|02|03, 01|23|012|01|03|13|12, 01|02|013|01|12|0  
01|23|023|02|01|13|23, 01|23|023|02|01|12|23, 01|02|013|13|13|02|23, 01|02|013|12|12|03|23, 01|02|013|12|13|0  
01|02|013|13|12|03|23, 01|02|013|13|12|02|23, 01|02|013|12|13|03|23, 01|02|013|12|12|02|23, 01|02|013|13|13|0  
01|23|023|02|02|13|12, 01|02|123|13|13|02|03, 01|02|123|01|01|23|03, 01|23|012|03|03|12|13, 01|23|023|01|01|2  
01|23|023|01|02|13|12, 01|02|123|01|13|02|03, 01|02|123|13|01|23|03, 01|23|012|01|03|12|13, 01|23|023|02|01|2  
01|23|023|02|01|13|12, 01|02|123|13|01|02|03, 01|02|123|01|13|23|03, 01|23|012|03|01|12|13, 01|23|023|01|02|2  
01|23|023|01|01|12|13, 01|02|123|01|01|02|03, 01|02|123|13|13|23|03, 01|23|012|01|01|02|03, 01|23|023|02|02|2  
01|23|012|02|02|13|23, 01|23|012|03|03|12|23, 01|23|012|03|02|13|23, 01|23|012|02|03|12|23, 01|23|012|02|03|1  
01|23|012|03|02|12|23, 01|23|012|03|03|13|23, 01|23|012|02|02|12|23, 01|02|123|01|01|23|02, 01|02|013|12|12|0  
01|02|123|12|01|23|02, 01|02|013|01|12|03|02, 01|02|123|01|12|23|02, 01|02|013|12|01|03|02, 01|02|123|12|12|2  
01|02|013|01|01|03|02, 01|02|123|13|13|02|23, 01|02|123|12|13|02|23, 01|02|123|13|12|02|23, 01|02|123|12|12|0  
01|23|012|02|02|13|12, 01|02|013|13|13|02|03, 01|23|012|01|02|13|12, 01|02|013|01|13|02|03, 01|23|012|02|01|1  
01|02|013|13|01|02|03, 01|23|012|01|01|03|02, 01|02|013|01|01|02|03, 01|23|023|02|02|13|23, 01|23|023|02|03|1  
01|23|023|02|03|13|23, 01|23|023|02|02|12|23, 01|02|023|23|03|01|12, 01|02|013|13|03|02|12, 01|01|023|23|02|0  
01|01|023|12|02|03|13, 01|02|013|23|03|01|12, 01|02|023|13|03|02|12, 01|02|023|13|03|01|12, 01|02|013|23|03|0  
01|01|023|12|02|01|13, 01|01|023|23|02|03|13, 01|02|013|13|03|01|12, 01|02|023|23|03|02|12, 01|02|023|03|23|1  
01|02|123|13|23|02|01, 01|02|123|03|23|12|01, 01|02|023|13|23|02|01, 01|02|023|13|23|12|01, 01|02|123|03|23|0  
01|02|123|13|23|12|01, 01|02|023|03|23|02|01, 01|02|013|03|13|12|02, 01|02|123|23|13|01|02, 01|02|123|03|13|1  
01|02|013|23|13|01|02, 01|02|013|23|13|12|02, 01|02|123|03|13|01|02, 01|02|123|23|13|12|02, 01|02|013|03|13|0  
01|01|023|12|23|03|01, 01|01|023|02|23|03|01, 01|02|123|23|03|01|12, 01|02|123|13|03|02|12, 01|01|023|23|12|0  
01|02|123|13|03|01|12, 01|02|123|23|03|02|12, 01|01|023|02|12|01|03, 01|02|013|03|23|12|01, 01|02|013|13|23|0  
01|02|013|13|23|12|01, 01|02|013|03|23|02|01, 01|02|023|03|13|12|02, 01|02|023|23|13|01|02, 01|02|023|23|13|1  
01|02|023|03|13|01|02, 01|02|023|23|23|01|12, 01|02|013|13|13|02|12, 01|01|023|23|23|01|12, 01|01|023|12|12|0  
01|02|013|23|23|01|12, 01|02|023|13|13|02|12, 01|02|023|13|23|01|12, 01|02|013|23|13|02|12, 01|01|023|12|23|0  
01|01|023|23|12|03|13, 01|02|013|13|23|01|12, 01|02|023|23|13|02|12, 01|02|023|23|13|01|12, 01|02|013|13|23|0  
01|01|023|23|12|01|13, 01|01|023|12|23|03|13, 01|02|013|23|13|01|12, 01|02|023|13|23|02|12, 01|02|023|13|13|0  
01|02|013|23|23|02|12, 01|01|023|12|12|01|13, 01|01|023|23|23|02|12, 01|02|013|13|13|01|12, 01|02|023|23|23|0  
01|02|023|03|03|12|01, 01|02|123|13|13|02|01, 01|02|123|03|03|12|01, 01|02|023|13|13|02|01, 01|02|023|13|03|1  
01|02|123|03|13|02|01, 01|02|123|13|03|12|01, 01|02|023|03|13|02|01, 01|02|023|03|13|12|01, 01|02|123|13|03|0  
01|02|123|03|13|12|01, 01|02|023|13|03|02|01, 01|02|023|13|13|12|01, 01|02|123|03|03|02|01, 01|02|123|13|13|1  
01|02|023|03|03|02|01, 01|02|013|03|03|12|02, 01|02|123|23|23|01|02, 01|02|123|03|03|12|02, 01|02|013|23|23|0  
01|02|013|23|03|12|02, 01|02|123|03|23|01|02, 01|02|123|23|03|12|02, 01|02|013|03|23|01|02, 01|02|013|03|23|1  
01|02|123|23|03|01|02, 01|02|123|03|23|12|02, 01|02|013|23|03|01|02, 01|02|013|23|23|12|02, 01|02|123|03|03|0  
01|02|123|23|23|12|02, 01|02|013|03|03|01|02, 01|01|023|12|12|03|01, 01|01|023|02|12|03|01, 01|01|023|12|02|0  
01|01|023|02|02|03|01, 01|02|123|23|23|01|12, 01|02|123|13|13|02|12, 01|01|023|23|23|01|02, 01|02|123|13|23|0  
01|02|123|23|13|02|12, 01|01|023|02|23|01|03, 01|02|123|23|13|01|12, 01|02|123|13|23|02|12, 01|01|023|23|02|0

01|02|123|13|13|01|12, 01|02|123|23|23|02|12, 01|01|023|02|02|01|03, 01|02|013|03|03|12|01, 01|02|013|13|13|0  
 01|02|013|13|03|12|01, 01|02|013|03|13|02|01, 01|02|013|03|13|12|01, 01|02|013|13|03|02|01, 01|02|013|13|13|1  
 01|02|013|03|03|02|01, 01|02|023|03|03|12|02, 01|02|023|23|23|01|02, 01|02|023|23|03|12|02, 01|02|023|03|23|0  
 01|02|023|03|23|12|02, 01|02|023|23|03|01|02, 01|02|023|23|23|12|02, 01|02|023|03|03|01|02, 01|02|123|03|02|1  
 01|02|123|01|02|12|13, 01|02|123|03|01|12|23, 01|02|123|02|01|12|23, 01|02|123|01|01|23|13, 01|02|123|03|01|2  
 01|02|123|03|01|12|13, 01|02|123|01|01|12|13, 01|02|123|02|02|13|23, 01|02|123|03|02|13|23, 01|02|123|03|02|1  
 01|02|123|02|02|12|23, 01|02|123|02|02|13|12, 01|02|123|01|01|23|12, 01|02|123|01|02|13|12, 01|02|123|02|01|2  
 01|02|013|23|02|01|13, 01|02|013|12|02|01|13, 01|23|012|03|23|12|01, 01|23|012|03|23|02|01, 01|23|012|03|13|1  
 01|02|013|23|12|01|03, 01|23|012|23|03|02|12, 01|02|013|02|12|01|03, 01|02|013|12|12|03|13, 01|02|013|23|12|0  
 01|02|013|23|12|01|13, 01|02|013|12|12|01|13, 01|23|012|03|03|12|01, 01|23|012|03|13|02|01, 01|23|012|03|13|1  
 01|23|012|03|03|02|01, 01|02|013|02|02|13|03, 01|23|012|23|23|01|02, 01|23|012|03|03|12|02, 01|02|013|23|02|1  
 01|23|012|03|23|01|02, 01|23|012|23|03|12|02, 01|23|012|03|23|12|02, 01|02|013|23|02|01|03, 01|23|012|23|23|0  
 01|02|013|02|02|01|03, 01|02|013|02|02|13|01, 01|02|013|12|12|03|01, 01|02|013|12|02|13|01, 01|02|013|02|12|0  
 01|02|023|13|01|02|23, 01|02|023|12|01|02|23, 01|23|023|12|13|03|02, 01|02|023|13|12|02|03, 01|23|023|01|12|0  
 01|02|023|01|12|02|03, 01|23|023|12|01|03|23, 01|23|023|12|01|02|23, 01|02|023|12|12|03|23, 01|02|023|13|12|0  
 01|02|023|13|12|02|23, 01|02|023|12|12|02|23, 01|02|023|01|01|23|03, 01|23|023|12|12|03|02, 01|23|023|01|01|2  
 01|02|023|13|01|23|03, 01|23|023|01|12|03|02, 01|23|023|12|01|23|02, 01|23|023|12|01|03|02, 01|02|023|13|01|0  
 01|23|023|01|01|02|03, 01|02|023|01|01|02|03, 01|23|023|12|12|03|23, 01|23|023|12|13|02|23, 01|23|023|12|13|0  
 01|23|023|12|12|02|23, 01|02|023|01|01|23|02, 01|02|023|12|12|03|02, 01|02|023|12|01|23|02, 01|02|023|01|12|0  
 01|02|012|23|03|01|12, 01|02|012|13|03|02|12, 01|01|012|23|03|01|12, 01|02|012|13|03|01|12, 01|02|012|23|03|0  
 01|01|012|03|13|01|02, 01|02|012|03|23|12|01, 01|02|012|13|23|02|01, 01|02|012|13|23|12|01, 01|02|012|03|23|0  
 01|02|012|03|13|12|02, 01|02|012|23|13|01|02, 01|02|012|23|13|12|02, 01|02|012|03|13|01|02, 01|01|012|03|03|1  
 01|02|012|23|23|01|12, 01|02|012|13|13|02|12, 01|01|012|23|03|12|02, 01|02|012|13|23|01|12, 01|02|012|23|13|0  
 01|02|012|23|13|01|12, 01|02|012|13|23|02|12, 01|01|012|23|03|01|02, 01|02|012|13|13|01|12, 01|02|012|23|23|0  
 01|01|012|03|03|01|02, 01|02|012|03|03|12|01, 01|02|012|13|13|02|01, 01|02|012|13|03|12|01, 01|02|012|03|13|0  
 01|02|012|03|13|12|01, 01|02|012|13|03|02|01, 01|02|012|13|13|12|01, 01|02|012|03|03|02|01, 01|02|012|03|03|1  
 01|02|012|23|23|01|02, 01|02|012|23|03|12|02, 01|02|012|03|23|01|02, 01|02|012|03|23|12|02, 01|02|012|23|03|0  
 01|02|012|23|23|12|02, 01|02|012|03|03|01|02, 01|01|012|03|03|12|01, 01|01|012|03|13|02|01, 01|02|023|23|02|1  
 01|02|023|12|02|23|13, 01|02|023|12|02|12|13, 01|02|023|23|02|23|13, 01|02|013|13|01|12|23, 01|02|013|12|01|1  
 01|02|013|12|01|12|23, 01|02|013|13|01|13|23, 01|02|023|23|03|13|12, 01|02|013|13|03|23|12, 01|01|023|23|02|1  
 01|01|023|12|02|23|13, 01|02|013|23|03|13|12, 01|02|023|13|03|23|12, 01|02|023|13|03|13|12, 01|02|013|23|03|2  
 01|01|023|12|02|12|13, 01|01|023|23|02|23|13, 01|02|013|13|03|13|12, 01|02|023|23|03|23|12, 01|02|013|23|02|1  
 01|02|013|12|02|12|13, 01|02|023|13|01|12|23, 01|02|023|12|01|12|23, 01|02|012|23|03|13|12, 01|02|012|13|03|2  
 01|01|012|23|03|13|12, 01|02|012|13|03|13|12, 01|02|012|23|03|23|12, 01|01|012|03|13|03|02, 01|01|012|23|01|0  
 01|01|012|23|01|02|23, 01|02|012|13|02|23|13, 01|02|023|13|02|12|13, 01|02|023|13|02|23|13, 01|02|012|13|02|1  
 01|02|012|23|01|13|23, 01|02|013|23|01|12|23, 01|02|013|23|01|13|23, 01|02|012|23|01|12|23, 01|01|023|12|03|2  
 01|02|013|12|03|13|12, 01|02|023|12|03|23|12, 01|01|012|03|12|02|03, 01|01|023|23|01|12|23, 01|02|013|13|02|2  
 01|02|013|13|02|12|13, 01|02|023|23|01|13|23, 01|02|023|23|01|12|23, 01|02|023|23|03|12|13, 01|02|023|12|01|2  
 01|02|023|12|03|12|13, 01|02|023|23|01|23|13, 01|02|023|23|01|12|13, 01|02|023|12|03|23|13, 01|02|023|12|01|1  
 01|02|023|23|03|23|13, 01|02|013|13|03|12|23, 01|02|013|12|02|13|23, 01|02|013|12|03|12|23, 01|02|013|13|02|1  
 01|02|013|13|02|12|23, 01|02|013|12|03|13|23, 01|02|013|12|02|12|23, 01|02|013|13|03|13|23, 01|02|023|23|02|1  
 01|02|013|13|01|23|12, 01|01|023|23|02|13|12, 01|01|023|12|01|23|13, 01|02|013|23|02|13|12, 01|02|023|13|01|2

01|02|023|13|02|13|12, 01|02|013|23|01|23|12, 01|01|023|12|03|12|13, 01|01|023|23|01|23|12, 01|02|013|13|02|13|02|1  
 01|02|023|23|01|23|12, 01|02|023|23|01|13|12, 01|02|013|13|02|23|12, 01|01|023|23|01|12|13, 01|01|023|12|03|2  
 01|02|013|23|01|13|12, 01|02|023|13|02|23|12, 01|02|023|13|01|13|12, 01|02|013|23|02|23|12, 01|01|023|12|01|1  
 01|01|023|23|02|23|12, 01|02|013|13|01|13|12, 01|02|023|23|02|23|12, 01|02|013|23|03|12|13, 01|02|013|12|03|1  
 01|02|013|23|01|12|13, 01|02|013|12|01|12|13, 01|02|023|13|03|12|23, 01|02|023|12|03|12|23, 01|02|023|13|02|1  
 01|02|023|12|02|12|23, 01|02|012|23|02|13|12, 01|02|012|13|01|23|12, 01|01|012|23|02|13|12, 01|02|012|13|02|1  
 01|02|012|23|01|23|12, 01|01|012|03|12|03|02, 01|02|012|23|01|13|12, 01|02|012|13|02|23|12, 01|01|012|23|01|0  
 01|02|012|13|01|13|12, 01|02|012|23|02|23|12, 01|01|012|03|01|03|02, 01|01|012|23|02|13|23, 01|01|012|23|03|1  
 01|01|012|23|03|13|23, 01|01|012|23|02|12|23, 01|02|012|13|01|23|13, 01|02|023|13|03|12|13, 01|02|023|13|01|2  
 01|02|012|13|03|12|13, 01|02|012|13|03|23|13, 01|02|023|13|01|12|13, 01|02|023|13|03|23|13, 01|02|012|13|01|1  
 01|02|012|23|02|13|23, 01|02|013|23|03|12|23, 01|02|013|23|02|13|23, 01|02|012|23|03|12|23, 01|02|012|23|03|1  
 01|02|013|23|02|12|23, 01|02|013|23|03|13|23, 01|02|012|23|02|12|23, 01|01|023|12|01|23|12, 01|02|013|12|02|1  
 01|02|023|12|01|23|12, 01|01|012|03|13|02|03, 01|01|023|12|02|23|12, 01|02|013|12|01|13|12, 01|02|023|12|02|2  
 01|01|012|03|01|02|03, 01|01|023|23|02|13|23, 01|01|023|23|02|12|23, 01|02|013|13|01|23|13, 01|02|013|13|03|1  
 01|02|013|13|03|23|13, 01|02|013|13|01|12|13, 01|02|023|23|02|13|23, 01|02|023|23|03|12|23, 01|02|023|23|03|1  
 01|02|023|23|02|12|23, 01|02|023|13|03|12|12, 01|02|013|23|03|12|12, 01|02|013|13|03|12|12, 01|02|023|23|03|1  
 01|02|013|23|02|13|13, 01|02|013|12|02|13|13, 01|02|023|13|01|23|23, 01|02|023|12|01|23|23, 01|01|012|23|03|1  
 01|02|012|13|03|12|12, 01|02|012|23|03|12|12, 01|01|012|03|13|02|02, 01|02|023|03|02|01|13, 01|02|023|01|02|0  
 01|02|023|01|02|01|13, 01|02|023|03|02|03|13, 01|23|023|02|23|12|01, 01|23|023|12|23|02|01, 01|23|023|12|23|1  
 01|23|023|02|23|02|01, 01|23|023|02|03|01|12, 01|02|123|13|12|01|03, 01|02|123|01|12|13|03, 01|23|012|03|02|0  
 01|23|023|01|02|03|13, 01|23|023|01|02|01|13, 01|02|123|01|12|01|03, 01|02|123|13|12|13|03, 01|23|012|01|02|0  
 01|23|023|02|03|02|12, 01|02|023|03|23|13|01, 01|02|123|13|23|03|01, 01|02|123|03|23|13|01, 01|02|023|13|23|0  
 01|02|023|13|23|13|01, 01|02|123|03|23|03|01, 01|02|123|13|23|13|01, 01|02|023|03|23|03|01, 01|02|123|03|02|0  
 01|02|123|01|02|01|13, 01|23|012|03|23|13|01, 01|23|012|03|23|03|01, 01|23|023|12|13|01|02, 01|02|023|13|12|0  
 01|23|023|01|12|01|03, 01|02|023|01|12|01|03, 01|02|012|03|23|13|01, 01|02|012|13|23|03|01, 01|02|012|13|23|1  
 01|02|012|03|23|03|01, 01|02|012|13|02|03|13, 01|02|023|13|02|01|13, 01|02|023|13|02|03|13, 01|02|012|13|02|0  
 01|23|023|01|23|02|01, 01|02|012|03|12|13|03, 01|23|023|12|03|01|12, 01|23|012|03|12|13|03, 01|02|123|03|12|0  
 01|02|123|03|12|13|03, 01|23|012|03|12|01|03, 01|23|023|12|03|02|12, 01|02|012|03|12|01|03, 01|02|123|01|23|1  
 01|02|023|01|23|03|01, 01|02|123|13|02|03|13, 01|02|123|13|02|01|13, 01|02|023|03|12|13|03, 01|23|023|02|13|0  
 01|23|023|02|13|12|02, 01|02|023|03|12|01|03, 01|02|023|03|23|01|13, 01|02|023|01|12|03|13, 01|02|023|01|23|0  
 01|02|023|03|12|03|13, 01|02|023|03|12|01|13, 01|02|023|01|23|03|13, 01|02|023|01|12|01|13, 01|02|023|03|23|0  
 01|23|023|02|03|12|01, 01|23|023|12|13|02|01, 01|23|023|12|03|12|01, 01|23|023|02|13|02|01, 01|23|023|02|13|1  
 01|23|023|12|03|02|01, 01|23|023|12|13|12|01, 01|23|023|02|03|02|01, 01|23|023|02|23|01|12, 01|23|012|01|02|1  
 01|02|123|13|23|01|03, 01|02|123|01|02|13|03, 01|23|023|01|12|03|13, 01|23|023|01|23|01|12, 01|23|012|03|12|0  
 01|02|123|01|23|01|03, 01|02|123|13|02|13|03, 01|23|023|02|13|02|12, 01|23|023|02|13|01|12, 01|02|123|13|02|0  
 01|02|123|01|23|13|03, 01|23|012|03|12|01|13, 01|23|023|01|23|02|12, 01|23|023|01|12|01|13, 01|02|123|01|02|0  
 01|02|123|13|23|13|03, 01|23|012|01|02|01|03, 01|23|023|02|23|02|12, 01|02|023|03|02|13|01, 01|02|123|13|12|0  
 01|02|123|03|02|13|01, 01|02|023|13|12|03|01, 01|02|023|13|02|13|01, 01|02|123|03|12|03|01, 01|02|123|13|02|1  
 01|02|023|03|12|03|01, 01|02|023|03|12|13|01, 01|02|123|13|02|03|01, 01|02|123|03|12|13|01, 01|02|023|13|02|0  
 01|02|023|13|12|13|01, 01|02|123|03|02|03|01, 01|02|123|13|12|13|01, 01|02|023|03|02|03|01, 01|02|123|03|23|0  
 01|02|123|01|23|01|13, 01|02|123|03|12|01|13, 01|02|123|01|12|01|13, 01|23|012|03|02|13|01, 01|23|012|03|12|0  
 01|23|012|03|12|13|01, 01|23|012|03|02|03|01, 01|23|023|12|23|01|02, 01|23|023|01|02|13|03, 01|02|023|13|23|0

01|23|023|01|23|01|02, 01|23|023|12|03|12|02, 01|02|023|01|23|01|03, 01|23|023|12|03|01|02, 01|02|023|13|02|0  
 01|23|023|01|02|01|03, 01|02|023|01|02|01|03, 01|02|012|03|02|13|01, 01|02|012|13|12|03|01, 01|02|012|13|02|1  
 01|02|012|03|12|03|01, 01|02|012|03|12|13|01, 01|02|012|13|02|03|01, 01|02|012|13|12|13|01, 01|02|012|03|02|0  
 01|02|012|13|12|03|13, 01|02|023|13|23|01|13, 01|02|023|13|12|03|13, 01|02|012|13|23|01|13, 01|02|012|13|23|0  
 01|02|023|13|12|01|13, 01|02|023|13|23|03|13, 01|02|012|13|12|01|13, 01|23|023|01|02|13|01, 01|23|023|01|12|0  
 01|23|023|01|02|03|01, 01|02|012|03|02|13|03, 01|23|023|12|23|01|12, 01|23|012|03|02|13|03, 01|02|123|03|23|0  
 01|02|123|03|02|13|03, 01|23|012|03|23|01|03, 01|23|023|12|13|02|12, 01|02|012|03|23|01|03, 01|02|012|03|23|1  
 01|23|023|12|13|01|12, 01|23|012|03|23|13|03, 01|02|123|03|02|01|03, 01|02|123|03|23|13|03, 01|23|012|03|02|0  
 01|23|023|12|23|02|12, 01|02|012|03|02|01|03, 01|02|123|01|02|13|01, 01|02|023|01|12|03|01, 01|02|123|01|12|1  
 01|02|023|01|02|03|01, 01|02|123|13|12|03|13, 01|02|123|13|23|01|13, 01|02|123|13|23|03|13, 01|02|123|13|12|0  
 01|23|012|01|02|13|01, 01|02|023|03|02|13|03, 01|23|023|02|23|01|02, 01|23|023|02|03|12|02, 01|02|023|03|23|0  
 01|02|023|03|23|13|03, 01|23|023|02|03|01|02, 01|23|023|02|23|12|02, 01|02|023|03|02|01|03, 01|23|023|01|02|1  
 01|23|012|03|02|13|13, 01|23|012|01|02|13|13, 01|23|023|02|03|12|12, 01|02|023|13|23|01|01, 01|02|123|03|23|0  
 01|02|123|13|23|01|01, 01|02|023|03|23|01|01, 01|02|123|03|02|13|13, 01|02|123|01|02|13|13, 01|23|012|03|23|0  
 01|02|023|13|12|03|03, 01|23|023|01|12|03|03, 01|23|023|12|13|02|02, 01|02|023|01|12|03|03, 01|02|012|13|23|0  
 01|02|012|03|23|01|01, 01|02|023|13|02|13|13, 01|02|012|13|02|13|13, 01|23|023|01|23|01|01, 01|02|013|03|01|0  
 01|02|013|02|01|03|23, 01|02|013|02|01|02|23, 01|02|013|03|01|03|23, 01|23|012|02|12|23|03, 01|02|123|23|12|0  
 01|02|123|02|12|23|03, 01|23|012|23|02|12|13, 01|23|023|12|02|23|13, 01|23|012|23|02|23|13, 01|02|123|02|12|0  
 01|02|123|23|12|23|03, 01|23|012|02|12|02|03, 01|23|023|23|02|23|13, 01|23|012|02|01|03|23, 01|23|012|03|01|0  
 01|23|012|03|01|03|23, 01|23|012|02|01|02|23, 01|02|013|03|13|23|02, 01|02|123|23|13|03|02, 01|02|123|03|13|2  
 01|02|013|23|13|03|02, 01|02|013|23|13|23|02, 01|02|123|03|13|03|02, 01|02|123|23|13|23|02, 01|02|013|03|13|0  
 01|02|123|03|01|02|23, 01|02|123|02|01|02|23, 01|23|012|03|13|23|02, 01|02|013|23|12|02|03, 01|23|012|23|03|2  
 01|02|013|02|12|02|03, 01|23|023|12|01|13|23, 01|23|023|12|01|12|23, 01|02|012|03|13|23|02, 01|02|012|23|13|0  
 01|02|012|23|13|23|02, 01|02|012|03|13|03|02, 01|02|012|23|01|03|23, 01|02|013|23|01|02|23, 01|02|013|23|01|0  
 01|02|012|23|01|02|23, 01|02|012|03|12|23|03, 01|23|023|12|03|13|12, 01|23|012|03|12|23|03, 01|02|123|03|12|0  
 01|02|123|03|12|23|03, 01|23|012|03|12|02|03, 01|23|023|12|03|23|12, 01|02|012|03|12|02|03, 01|23|012|23|01|0  
 01|02|123|02|13|23|02, 01|02|013|02|13|03|02, 01|02|123|23|01|03|23, 01|02|123|23|01|02|23, 01|02|013|03|12|2  
 01|23|012|02|13|03|02, 01|23|012|02|13|23|02, 01|02|013|03|12|02|03, 01|02|013|03|13|02|23, 01|02|013|02|12|0  
 01|02|013|02|13|02|23, 01|02|013|03|12|03|23, 01|02|013|03|12|02|23, 01|02|013|02|13|03|23, 01|02|013|02|12|0  
 01|02|013|03|13|03|23, 01|23|023|23|02|13|12, 01|23|012|02|01|23|03, 01|02|123|23|13|02|03, 01|02|123|02|01|2  
 01|23|012|23|03|12|13, 01|23|023|12|03|12|13, 01|23|012|23|01|23|03, 01|02|123|02|13|02|03, 01|02|123|23|01|2  
 01|23|012|02|13|02|03, 01|23|012|02|13|23|03, 01|02|123|23|01|02|03, 01|02|123|02|13|23|03, 01|23|012|23|01|0  
 01|23|023|12|03|23|13, 01|23|012|23|03|23|13, 01|02|123|02|01|02|03, 01|02|123|23|13|23|03, 01|23|012|02|01|0  
 01|23|023|23|02|23|12, 01|23|012|02|12|03|23, 01|23|012|03|13|02|23, 01|23|012|03|12|03|23, 01|23|012|02|13|0  
 01|23|012|02|13|03|23, 01|23|012|03|12|02|23, 01|23|012|03|13|03|23, 01|23|012|02|12|02|23, 01|02|013|03|01|2  
 01|02|123|23|12|03|02, 01|02|123|03|01|23|02, 01|02|013|23|12|03|02, 01|02|013|23|01|23|02, 01|02|123|03|12|0  
 01|02|123|23|01|23|02, 01|02|013|03|12|03|02, 01|02|013|03|12|23|02, 01|02|123|23|01|03|02, 01|02|123|03|12|2  
 01|02|013|23|01|03|02, 01|02|013|23|12|23|02, 01|02|123|03|01|03|02, 01|02|123|23|12|23|02, 01|02|013|03|01|0  
 01|02|123|03|13|02|23, 01|02|123|02|13|02|23, 01|02|123|03|12|02|23, 01|02|123|02|12|02|23, 01|23|012|23|02|1  
 01|23|012|03|01|23|02, 01|02|013|23|13|02|03, 01|23|012|03|12|03|02, 01|23|012|23|01|23|02, 01|02|013|02|13|0  
 01|23|012|03|12|23|02, 01|02|013|23|01|02|03, 01|23|012|23|02|23|12, 01|02|013|02|01|02|03, 01|23|023|12|02|1  
 01|23|023|12|03|12|23, 01|23|023|12|03|13|23, 01|23|023|12|02|12|23, 01|02|012|03|01|23|02, 01|02|012|23|12|0

01	02	012	23	01	23	02, 01	02	012	03	12	03	02, 01	02	012	03	12	23	02, 01	02	012	23	01	03	02, 01	02	012	23	12	23
01	02	012	03	01	03	02, 01	02	012	23	12	03	23, 01	02	013	23	13	02	23, 01	02	013	23	12	03	23, 01	02	012	23	13	0
01	02	012	23	13	03	23, 01	02	013	23	12	02	23, 01	02	013	23	13	03	23, 01	02	012	23	12	02	23, 01	02	012	03	01	2
01	23	023	12	02	13	12, 01	23	012	03	01	23	03, 01	02	123	03	13	02	03, 01	02	123	03	01	23	03, 01	23	012	03	13	0
01	23	023	12	01	23	12, 01	02	012	03	13	02	03, 01	02	012	03	13	23	03, 01	23	023	12	01	13	12, 01	23	012	03	13	2
01	02	123	03	01	02	03, 01	02	123	03	13	23	03, 01	23	012	03	01	02	03, 01	23	023	12	02	23	12, 01	02	012	03	01	0
01	23	012	23	02	13	23, 01	23	012	23	03	12	23, 01	23	012	23	02	12	23, 01	02	123	02	01	23	02, 01	02	013	02	12	0
01	02	123	02	12	23	02, 01	02	013	02	01	03	02, 01	02	123	23	12	03	23, 01	02	123	23	13	02	23, 01	02	123	23	13	
01	02	123	23	12	02	23, 01	02	013	03	01	23	03, 01	23	012	02	12	03	02, 01	23	012	02	01	23	02, 01	02	013	03	13	
01	02	013	03	13	23	03, 01	23	012	02	01	03	02, 01	23	012	02	12	23	02, 01	02	013	03	01	02	03, 01	23	023	23	02	1
01	23	023	12	02	13	13, 01	23	012	23	02	13	13, 01	23	012	02	12	03	03, 01	23	023	23	02	13	13, 01	02	013	23	13	0
01	02	123	03	13	02	02, 01	02	123	23	13	02	02, 01	02	013	03	13	02	02, 01	02	123	03	01	23	23, 01	02	123	02	01	2
01	02	013	23	12	03	03, 01	23	012	03	13	02	02, 01	23	012	23	03	12	12, 01	02	013	02	12	03	03, 01	23	023	12	01	2
01	02	012	23	13	02	02, 01	02	012	03	13	02	02, 01	02	013	23	01	23	23, 01	02	012	23	01	23	23, 01	02	123	03	12	0
01	23	012	03	12	03	03, 01	23	023	12	03	12	12, 01	02	012	03	12	03	03, 01	23	012	23	01	23	23, 01	02	013	02	03	0
01	02	023	01	03	02	12, 01	02	013	01	03	01	12, 01	02	023	02	03	02	12, 01	02	123	02	23	12	01, 01	02	023	12	23	0
01	02	123	12	23	12	01, 01	02	023	02	23	02	01, 01	02	123	01	13	12	02, 01	02	013	12	13	01	02, 01	02	123	12	13	1
01	02	013	01	13	01	02, 01	01	023	12	23	02	01, 01	01	023															

01|01|023|23|01|23|02, 01|02|123|13|02|13|12, 01|02|123|23|01|23|12, 01|02|123|23|01|13|12, 01|02|123|13|02|23|12|0  
 01|01|023|23|01|02|03, 01|02|123|13|01|13|12, 01|02|123|23|02|23|12, 01|01|023|02|01|02|03, 01|01|023|23|12|0  
 01|01|023|23|12|02|23, 01|02|123|13|01|23|13, 01|02|123|13|03|12|13, 01|02|123|13|03|23|13, 01|02|123|13|01|1  
 01|02|123|23|02|13|23, 01|02|123|23|03|12|23, 01|02|123|23|03|13|23, 01|02|123|23|02|12|23, 01|01|023|02|01|2  
 01|02|123|12|02|13|12, 01|02|123|12|01|23|12, 01|01|023|02|12|03|02, 01|02|123|23|02|13|13, 01|02|123|12|02|1  
 01|02|123|13|01|23|23, 01|02|123|12|01|23|23, 01|01|023|23|12|03|03, 01|02|123|13|03|12|12, 01|02|123|23|03|1  
 01|01|023|02|12|03|03, 01|01|023|23|01|23|23, 01|02|123|13|02|13|13, 01|02|123|23|01|23|23, 01|02|013|03|02|0  
 01|02|013|01|02|01|13, 01|23|012|02|23|12|01, 01|23|012|02|23|02|01, 01|23|012|02|03|01|12, 01|02|013|13|12|0  
 01|23|012|01|03|01|12, 01|02|013|01|12|01|03, 01|02|013|03|23|13|01, 01|02|013|13|23|03|01, 01|02|013|13|23|1  
 01|02|013|03|23|03|01, 01|02|013|13|02|03|13, 01|02|013|13|02|01|13, 01|02|013|03|12|13|03, 01|23|012|02|13|0  
 01|23|012|02|13|12|02, 01|02|013|03|12|01|03, 01|02|013|01|12|03|13, 01|02|013|03|12|03|13, 01|02|013|03|12|0  
 01|02|013|01|12|01|13, 01|23|012|02|03|12|01, 01|23|012|02|13|02|01, 01|23|012|02|13|12|01, 01|23|012|02|03|0  
 01|02|013|01|02|13|03, 01|23|012|01|03|12|02, 01|02|013|13|02|13|03, 01|23|012|02|13|02|12, 01|23|012|02|13|0  
 01|02|013|13|02|01|03, 01|23|012|01|03|01|02, 01|02|013|01|02|01|03, 01|02|013|03|02|13|01, 01|02|013|13|12|0  
 01|02|013|13|02|13|01, 01|02|013|03|12|03|01, 01|02|013|03|12|13|01, 01|02|013|13|02|03|01, 01|02|013|13|12|1  
 01|02|013|03|02|03|01, 01|02|013|13|12|03|13, 01|02|013|13|23|01|13, 01|02|013|13|23|03|13, 01|02|013|13|12|0  
 01|23|012|01|03|12|01, 01|02|013|03|02|13|03, 01|23|012|02|23|01|02, 01|23|012|02|03|12|02, 01|02|013|03|23|0  
 01|02|013|03|23|13|03, 01|23|012|02|03|01|02, 01|23|012|02|23|12|02, 01|02|013|03|02|01|03, 01|02|013|01|02|1  
 01|02|013|01|12|03|01, 01|02|013|03|02|13|13, 01|02|013|01|02|13|13, 01|23|012|02|23|01|01, 01|02|013|13|12|0  
 01|23|012|01|03|12|12, 01|23|012|02|03|12|12, 01|02|013|01|12|03|03, 01|02|013|13|23|01|01, 01|02|013|03|23|0  
 01|02|013|13|02|13|13, 01|23|012|02|13|02|02, 01|02|013|03|12|03|03, 01|02|023|03|01|02|23, 01|02|023|02|01|0  
 01|23|023|02|12|23|03, 01|02|023|23|12|02|03, 01|23|023|23|12|23|03, 01|02|023|02|12|02|03, 01|23|023|02|01|0  
 01|23|023|02|01|02|23, 01|02|023|03|13|23|02, 01|02|023|23|13|03|02, 01|02|023|23|13|23|02, 01|02|023|03|13|0  
 01|02|023|23|01|03|23, 01|02|023|23|01|02|23, 01|02|023|03|12|23|03, 01|23|023|02|13|03|02, 01|23|023|02|13|2  
 01|02|023|03|12|02|03, 01|02|023|02|12|03|23, 01|02|023|03|12|03|23, 01|02|023|03|12|02|23, 01|02|023|02|12|0  
 01|02|023|02|01|23|03, 01|23|023|23|12|03|02, 01|02|023|23|01|23|03, 01|23|023|02|13|02|03, 01|23|023|02|13|2  
 01|02|023|23|01|02|03, 01|23|023|23|12|23|02, 01|02|023|02|01|02|03, 01|23|023|02|12|03|23, 01|23|023|02|13|0  
 01|23|023|02|13|03|23, 01|23|023|02|12|02|23, 01|02|023|03|01|23|02, 01|02|023|23|12|03|02, 01|02|023|23|01|2  
 01|02|023|03|12|03|02, 01|02|023|03|12|23|02, 01|02|023|23|01|03|02, 01|02|023|23|12|23|02, 01|02|023|03|01|0  
 01|02|023|23|12|03|23, 01|02|023|23|13|02|23, 01|02|023|23|13|03|23, 01|02|023|23|12|02|23, 01|02|023|03|01|2  
 01|23|023|02|12|03|02, 01|23|023|02|01|23|02, 01|02|023|03|13|02|03, 01|02|023|03|13|23|03, 01|23|023|02|01|0  
 01|23|023|02|12|23|02, 01|02|023|03|01|02|03, 01|23|023|23|12|03|23, 01|02|023|02|01|23|02, 01|02|023|02|12|0  
 01|02|023|03|01|23|23, 01|02|023|02|01|23|23, 01|02|023|23|12|03|03, 01|23|023|02|12|03|03, 01|23|023|23|12|0  
 01|02|023|02|12|03|03, 01|23|023|02|01|23|23, 01|02|023|23|13|02|02, 01|02|023|03|13|02|02, 01|02|023|23|01|2  
 01|23|023|02|13|02|02, 01|02|023|03|12|03|03, 01|02|123|01|12|23|13, 01|02|123|03|23|12|13, 01|02|123|03|12|2  
 01|02|123|01|23|12|13, 01|02|123|03|12|12|13, 01|02|123|01|12|12|13, 01|02|123|02|12|13|23, 01|02|123|03|13|1  
 01|02|123|03|12|13|23, 01|02|123|02|13|12|23, 01|02|123|03|12|12|23, 01|02|123|02|12|12|23, 01|02|123|02|23|1  
 01|02|123|01|13|23|12, 01|02|123|01|23|13|12, 01|02|123|02|13|23|12, 01|02|123|01|13|23|13, 01|02|123|03|13|1  
 01|02|123|03|13|23|13, 01|02|123|01|13|12|13, 01|02|123|02|23|13|23, 01|02|123|03|23|12|23, 01|02|123|03|23|1  
 01|02|123|02|23|12|23, 01|02|123|02|12|13|12, 01|02|123|01|12|23|12, 01|02|123|01|12|13|12, 01|02|123|02|12|2  
 01|02|123|01|23|13|13, 01|02|123|03|12|13|13, 01|02|123|03|23|13|13, 01|02|123|01|12|13|13, 01|02|123|02|13|2  
 01|02|123|03|12|23|23, 01|02|123|03|13|23|23, 01|02|123|02|12|23|23, 01|02|123|02|13|12|12, 01|02|123|01|23|1

01|02|123|01|13|12|12, 01|02|123|02|23|12|12, 01|02|013|12|01|03|13, 01|02|013|23|03|01|13, 01|02|013|23|01|0  
01|02|013|12|03|01|13, 01|02|013|23|01|01|13, 01|02|013|12|01|01|13, 01|23|012|03|02|12|01, 01|23|012|03|12|0  
01|23|012|03|12|12|01, 01|23|012|03|02|02|01, 01|02|013|02|01|13|03, 01|23|012|23|02|01|12, 01|23|012|03|01|1  
01|02|013|23|13|01|03, 01|02|013|23|01|13|03, 01|23|012|03|12|01|02, 01|23|012|23|01|02|12, 01|02|013|02|13|0  
01|23|012|03|12|12|02, 01|02|013|23|01|01|03, 01|23|012|23|02|02|12, 01|02|013|02|01|01|03, 01|02|013|02|03|1  
01|02|013|12|13|03|01, 01|02|013|12|03|13|01, 01|02|013|02|13|03|01, 01|02|013|12|13|03|13, 01|02|013|23|13|  
01|02|013|23|13|03|13, 01|02|013|12|13|01|13, 01|23|012|03|01|12|01, 01|23|012|03|01|02|01, 01|02|013|02|03|1  
01|23|012|23|02|01|02, 01|23|012|03|02|12|02, 01|02|013|23|03|01|03, 01|02|013|23|03|13|03, 01|23|012|03|02|0  
01|23|012|23|02|12|02, 01|02|013|02|03|01|03, 01|02|013|02|01|13|01, 01|02|013|12|01|03|01, 01|02|013|12|01|1  
01|02|013|02|01|03|01, 01|02|013|12|03|13|13, 01|02|013|23|01|13|13, 01|02|013|23|03|13|13, 01|02|013|12|01|1  
01|23|012|03|12|01|01, 01|23|012|03|02|01|01, 01|02|013|02|13|03|03, 01|23|012|23|01|02|02, 01|23|012|03|12|0  
01|02|013|23|01|03|03, 01|02|013|23|13|03|03, 01|23|012|03|01|02|02, 01|23|012|23|02|12|12, 01|02|013|02|01|0  
01|02|013|02|13|01|01, 01|02|013|12|03|01|01, 01|02|013|12|13|01|01, 01|02|013|02|03|01|01, 01|02|023|12|02|0  
01|02|023|13|03|02|23, 01|02|023|13|02|03|23, 01|02|023|12|03|02|23, 01|02|023|13|02|02|23, 01|02|023|12|02|0  
01|02|023|01|02|23|03, 01|23|023|12|23|03|02, 01|23|023|01|02|23|03, 01|02|023|13|23|02|03, 01|02|023|13|02|2  
01|23|023|01|23|02|03, 01|23|023|12|03|23|02, 01|02|023|01|23|02|03, 01|23|023|12|03|03|02, 01|02|023|13|02|0  
01|23|023|01|02|02|03, 01|02|023|01|02|02|03, 01|23|023|12|02|03|23, 01|23|023|12|03|02|23, 01|23|023|12|03|0  
01|23|023|12|02|02|23, 01|02|023|01|03|23|02, 01|02|023|12|23|03|02, 01|02|023|12|03|23|02, 01|02|023|01|23|0  
01|02|023|12|23|03|23, 01|02|023|13|23|02|23, 01|02|023|13|23|03|23, 01|02|023|12|23|02|23, 01|02|023|01|03|2  
01|23|023|12|02|03|02, 01|23|023|01|02|23|02, 01|02|023|13|03|02|03, 01|02|023|13|03|23|03, 01|23|023|01|02|0  
01|23|023|12|02|23|02, 01|02|023|01|03|02|03, 01|23|023|12|23|03|23, 01|23|023|12|23|02|23, 01|02|023|01|02|2  
01|02|023|12|02|03|02, 01|02|023|12|02|23|02, 01|02|023|01|02|03|02, 01|02|023|12|03|23|23, 01|02|023|13|02|2  
01|02|023|13|03|23|23, 01|02|023|12|02|23|23, 01|02|023|01|23|03|03, 01|23|023|12|03|02|02, 01|23|023|01|23|0  
01|02|023|13|02|03|03, 01|02|023|13|23|03|03, 01|23|023|01|02|03|03, 01|23|023|12|23|02|02, 01|02|023|01|02|0  
01|23|023|12|03|23|23, 01|23|023|12|02|23|23, 01|02|023|01|23|02|02, 01|02|023|12|03|02|02, 01|02|023|12|23|0  
01|02|023|01|03|02|02, 01|01|012|03|01|12|02, 01|02|012|23|02|01|12, 01|02|012|13|01|02|12, 01|01|012|23|02|0  
01|01|012|23|01|02|12, 01|02|012|13|02|01|12, 01|02|012|23|01|02|12, 01|01|012|03|12|01|02, 01|02|012|23|01|0  
01|02|012|13|02|02|12, 01|01|012|23|01|01|02, 01|02|012|13|01|01|12, 01|02|012|23|02|02|12, 01|01|012|03|01|0  
01|02|012|03|02|12|01, 01|02|012|13|12|02|01, 01|02|012|13|02|12|01, 01|02|012|03|12|02|01, 01|02|012|03|12|1  
01|02|012|13|02|02|01, 01|02|012|13|12|12|01, 01|02|012|03|02|02|01, 01|02|012|03|01|12|02, 01|02|012|23|12|0  
01|02|012|23|01|12|02, 01|02|012|03|12|01|02, 01|02|012|03|12|12|02, 01|02|012|23|01|01|02, 01|02|012|23|12|1  
01|02|012|03|01|01|02, 01|01|012|03|02|12|01, 01|01|012|03|12|02|01, 01|01|012|03|02|12|02, 01|02|012|23|12|0  
01|02|012|13|12|02|12, 01|01|012|23|02|01|02, 01|01|012|23|02|12|02, 01|02|012|13|12|01|12, 01|02|012|23|12|0  
01|01|012|03|02|01|02, 01|02|012|03|01|12|01, 01|02|012|13|01|02|01, 01|02|012|13|01|12|01, 01|02|012|03|01|0  
01|02|012|03|02|12|02, 01|02|012|23|02|01|02, 01|02|012|23|02|12|02, 01|02|012|03|02|01|02, 01|01|012|03|01|1  
01|01|012|03|01|02|01, 01|01|012|03|12|02|02, 01|02|012|23|01|12|12, 01|02|012|13|02|12|12, 01|01|012|23|01|0  
01|01|012|23|02|12|12, 01|02|012|13|01|12|12, 01|02|012|23|02|12|12, 01|01|012|03|01|02|02, 01|02|012|03|12|0  
01|02|012|13|02|01|01, 01|02|012|13|12|01|01, 01|02|012|03|02|01|01, 01|02|012|03|12|02|02, 01|02|012|23|01|0  
01|02|012|23|12|02|02, 01|02|012|03|01|02|02, 01|01|012|03|12|01|01, 01|01|012|03|02|01|01, 01|02|023|23|23|1  
01|02|013|13|13|23|12, 01|02|013|23|23|13|12, 01|02|023|13|13|23|12, 01|02|023|13|23|13|12, 01|02|013|23|13|2  
01|02|013|13|23|13|12, 01|02|023|23|13|23|12, 01|02|013|23|13|13|12, 01|02|023|13|23|23|12, 01|02|013|13|13|1  
01|02|023|23|23|23|12, 01|02|012|23|23|13|12, 01|02|012|13|13|23|12, 01|02|012|13|23|13|12, 01|02|012|23|13|2

01	02	012	13	12	23	13, 01	02	023	13	23	12	13, 01	02	023	13	12	23	13, 01	02	012	13	23	12	13, 01	02	023	13	23	12	13, 01
01	02	012	13	12	12	13, 01	02	012	23	12	13	23, 01	02	013	23	13	12	23, 01	02	013	23	12	13	23, 01	02	012	23	13	12	13, 01
01	02	013	23	13	13	23, 01	02	012	23	12	12	23, 01	02	013	13	12	23	13, 01	02	013	13	23	12	13, 01	02	023	23	12	13	13, 01
01	02	023	23	13	12	23, 01	02	023	23	12	13	12, 01	02	013	13	12	23	12, 01	02	013	23	12	13	12, 01	02	023	13	12	23	13, 01
01	02	023	13	12	13	12, 01	02	013	23	12	23	12, 01	02	013	13	12	13	12, 01	02	023	23	12	23	12, 01	02	012	23	12	13	13, 01
01	02	012	13	12	23	12, 01	02	012	13	12	13	12, 01	02	012	23	12	23	12, 01	02	012	13	13	23	13, 01	02	023	13	13	12	13, 01
01	02	023	13	13	23	13, 01	02	012	13	13	12	13, 01	02	012	23	23	13	23, 01	02	013	23	23	12	23, 01	02	013	23	23	12	13, 01
01	02	012	23	23	12	23, 01	02	013	13	13	23	13, 01	02	013	13	13	12	13, 01	02	023	23	23	13	23, 01	02	023	23	23	12	13, 01
01	02	023	23	13	12	12, 01	02	013	13	23	12	12, 01	02	013	23	13	12	12, 01	02	023	13	23	12	12, 01	02	023	13	13	12	13, 01
01	02	013	23	23	12	12, 01	02	013	13	13	12	12, 01	02	023	23	23	12	12, 01	02	012	23	13	12	12, 01	02	012	13	23	12	13, 01
01	02	012	13	13	12	12, 01	02	012	23	23	12	12, 01	02	012	13	23	13	13, 01	02	023	13	12	13	13, 01	02	023	13	23	12	13, 01
01	02	012	13	12	13	13, 01	02	012	23	13	23	23, 01	02	013	23	12	23	23, 01	02	013	23	13	23	23, 01	02	012	23	12	23	13, 01
01	02	013	13	23	13	13, 01	02	013	13	12	13	13, 01	02	023	23	13	23	23, 01	02	023	23	12	23	23, 01	02	012	13	12	13	13, 01
01	02	012	23	12	12	12, 01	23	023	02	02	01	12, 01	23	012	01	01	03	13, 01	23	012	03	03	01	13, 01	23	023	01	01	03	13, 01
01	23	023	01	02	01	12, 01	23	012	03	01	03	13, 01	23	012	01	03	01	13, 01	23	023	02	01	02	12, 01	23	012	03	01	03	13, 01
01	23	023	01	02	02	12, 01	23	012	01	01	01	03, 01	23	023	02	02	02	12, 01	02	023	03	03	13	01, 01	02	123	13	13	03	13, 01
01	02	123	03	03	13	01, 01	02	023	13	13	03	01, 01	02	023	13	03	13	01, 01	02											



01|02|123|13|01|13|13, 01|23|012|01|03|01|01, 01|02|023|03|13|03|03, 01|23|023|02|01|02|02, 01|23|023|02|12|0  
 01|02|023|03|01|03|03, 01|23|023|01|02|02|02, 01|23|023|12|02|02|02, 01|02|012|13|01|01|01, 01|02|012|03|01|0  
 01|23|023|23|23|12|13, 01|23|012|02|02|23|03, 01|23|012|23|23|02|03, 01|23|023|12|12|23|13, 01|23|023|12|23|1  
 01|23|012|23|02|23|03, 01|23|012|02|23|02|03, 01|23|023|23|12|23|13, 01|23|012|23|02|02|03, 01|23|023|12|23|2  
 01|23|012|02|02|02|03, 01|23|023|23|23|23|12, 01|02|013|03|03|23|02, 01|02|123|23|23|03|02, 01|02|123|03|03|2  
 01|02|013|23|23|03|02, 01|02|013|23|03|23|02, 01|02|123|03|23|03|02, 01|02|123|23|03|23|02, 01|02|013|03|23|  
 01|02|123|03|23|23|02, 01|02|013|23|03|03|02, 01|02|123|23|23|23|02, 01|02|013|03|03|03|02, 01|23|012|23|23|0  
 01|23|012|03|03|23|02, 01|23|012|03|23|03|02, 01|23|012|23|03|23|02, 01|02|012|03|03|23|02, 01|02|012|23|23|0  
 01|02|012|23|03|23|02, 01|02|012|03|23|03|02, 01|02|012|23|02|03|23, 01|02|013|23|03|02|23, 01|02|013|23|02|0  
 01|02|012|23|03|02|23, 01|02|013|23|03|03|23, 01|02|012|23|02|02|23, 01|02|012|03|02|23|03, 01|23|023|12|23|1  
 01|23|012|03|02|23|03, 01|02|123|03|23|02|03, 01|02|123|03|02|23|03, 01|23|012|03|23|02|03, 01|23|023|12|13|2  
 01|02|012|03|23|02|03, 01|02|123|03|23|23|03, 01|23|012|03|02|02|03, 01|23|023|12|23|23|12, 01|02|012|03|02|0  
 01|23|012|23|02|03|23, 01|23|012|23|03|02|23, 01|23|012|23|02|02|23, 01|02|123|23|02|03|23, 01|02|123|23|03|0  
 01|02|013|03|02|23|03, 01|23|012|02|23|03|02, 01|23|012|02|03|23|02, 01|02|013|03|23|02|03, 01|23|023|23|12|1  
 01|23|023|23|12|13|12, 01|23|012|02|03|23|03, 01|23|012|23|03|02|03, 01|23|023|12|13|23|13, 01|23|023|12|13|1  
 01|23|012|23|03|23|03, 01|23|012|02|03|02|03, 01|23|023|23|12|23|12, 01|02|013|03|02|23|02, 01|02|123|23|02|0  
 01|02|123|03|02|23|02, 01|02|013|23|02|03|02, 01|02|013|23|02|23|02, 01|02|123|03|02|03|02, 01|02|123|23|02|2  
 01|02|013|03|02|03|02, 01|23|012|23|02|03|02, 01|23|012|03|02|23|02, 01|23|012|03|02|03|02, 01|23|012|23|02|2  
 01|02|012|03|02|23|02, 01|02|012|23|02|03|02, 01|02|012|23|02|23|02, 01|02|012|03|02|03|02, 01|02|012|23|23|0  
 01|02|013|23|23|02|23, 01|02|013|23|23|03|23, 01|02|012|23|23|02|23, 01|02|012|03|03|23|03, 01|23|023|12|12|1  
 01|23|012|03|03|23|03, 01|02|123|03|03|02|03, 01|02|123|03|03|23|03, 01|23|012|03|03|02|03, 01|23|023|12|12|2  
 01|02|012|03|03|02|03, 01|23|012|23|23|03|23, 01|23|012|23|23|02|23, 01|02|123|23|23|03|23, 01|02|123|23|23|0  
 01|02|013|03|03|23|03, 01|23|012|02|02|03|02, 01|23|012|02|02|23|02, 01|02|013|03|03|02|03, 01|23|023|23|23|1  
 01|23|023|23|12|13|13, 01|23|012|02|23|03|03, 01|23|012|23|02|03|03, 01|23|023|12|23|13|13, 01|23|023|12|12|1  
 01|23|012|23|23|03|03, 01|23|012|02|02|03|03, 01|23|023|23|23|12|12, 01|02|013|03|23|02|02, 01|02|123|23|03|0  
 01|02|123|03|23|02|02, 01|02|013|23|03|02|02, 01|02|013|23|23|02|02, 01|02|123|03|03|02|02, 01|02|123|23|23|0  
 01|02|013|03|03|02|02, 01|23|012|23|03|02|02, 01|23|012|03|23|02|02, 01|23|012|03|03|02|02, 01|23|012|23|23|0  
 01|02|012|03|23|02|02, 01|02|012|23|03|02|02, 01|02|012|23|23|02|02, 01|02|012|03|03|02|02, 01|02|012|23|03|2  
 01|02|013|23|02|23|23, 01|02|013|23|03|23|23, 01|02|012|23|02|23|23, 01|02|012|03|23|03|03, 01|23|023|12|13|1  
 01|23|012|03|23|03|03, 01|02|123|03|02|03|03, 01|02|123|03|23|03|03, 01|23|012|03|02|03|03, 01|23|023|12|23|1  
 01|02|012|03|02|03|03, 01|23|012|23|03|23|23, 01|23|012|23|02|23|23, 01|02|123|23|03|23|23, 01|02|123|23|02|2  
 01|02|013|03|23|03|03, 01|23|012|02|03|02|02, 01|23|012|02|23|02|02, 01|02|013|03|02|03|03, 01|23|023|23|12|2  
 01|23|012|03|02|02|02, 01|23|012|23|02|02|02, 01|02|012|23|02|02|02, 01|02|012|03|02|02|02, 01|02|023|02|02|0  
 01|02|013|01|01|02|12, 01|02|013|02|02|01|12, 01|02|023|01|01|02|12, 01|02|023|01|02|01|12, 01|02|013|02|01|0  
 01|02|013|01|02|01|12, 01|02|023|02|01|02|12, 01|02|013|02|01|01|12, 01|02|023|01|02|02|12, 01|02|013|01|01|0  
 01|02|023|02|02|02|12, 01|02|023|02|02|12|01, 01|02|123|12|12|02|01, 01|02|123|02|02|12|01, 01|02|023|12|12|0  
 01|02|023|12|02|12|01, 01|02|123|02|12|02|01, 01|02|123|12|02|12|01, 01|02|023|02|12|02|01, 01|02|123|02|12|1  
 01|02|023|12|02|02|01, 01|02|123|12|12|12|01, 01|02|023|02|02|02|01, 01|02|013|01|01|12|02, 01|02|123|12|12|0  
 01|02|123|01|01|12|02, 01|02|013|12|12|01|02, 01|02|013|12|01|12|02, 01|02|123|01|12|01|02, 01|02|123|12|01|1  
 01|02|013|01|12|01|02, 01|02|123|01|12|12|02, 01|02|013|12|01|01|02, 01|02|123|12|12|12|02, 01|02|013|01|01|0  
 01|01|023|02|02|12|01, 01|01|023|12|12|02|01, 01|01|023|12|02|12|01, 01|01|023|02|12|02|01, 01|01|023|12|02|0  
 01|01|023|02|02|02|01, 01|02|123|02|02|01|12, 01|02|123|01|01|02|12, 01|02|123|01|02|01|12, 01|02|123|02|01|0

01	02	013	02	02	12	01, 01	02	013	12	12	02	01, 01	02	013	12	02	12	01, 01	02	013	02	12	02	01, 01	02	023	01	01	01	12
01	02	023	12	12	01	02, 01	02	023	12	01	12	02, 01	02	023	01	12	01	02, 01	01	012	03	03	13	01, 01	01	012	03	13	01	01
01	01	012	03	01	13	03, 01	02	023	12	02	01	12, 01	02	013	12	01	02	12, 01	01	023	12	02	01	12, 01	01	023	12	01	01	01
01	02	013	12	02	01	12, 01	02	023	12	01	02	12, 01	01	012	03	13	01	03, 01	01	023	12	02	02	12, 01	02	013	12	01	01	01
01	02	023	12	02	02	12, 01	01	012	03	01	01	03, 01	02	023	01	02	12	01, 01	02	123	01	12	02	01, 01	02	123	01	02	01	01
01	02	023	01	12	02	01, 01	02	123	01	12	12	01, 01	02	023	01	02	02	01, 01	02	013	02	01	12	02, 01	02	123	02	12	01	01
01	02	123	02	01	12	02, 01	02	013	02	12	01	02, 01	02	123	02	12	12	02, 01	02	013	02	01	01	02, 01	01	023	02	01	01	01
01	02	123	12	02	01	12, 01	02	123	12	01	02	12, 01	01	023	02	12	01	02, 01	02	013	01	02	12	01, 01	02	013	01	12	01	01
01	02	023	02	01	12	02, 01	02	023	02	12	01	02, 01	02	023	02	12	01	12, 01	02	013	01	12	02	12, 01	02	013	02	12	01	01
01	02	023	01	12	02	12, 01	02	023	01	12	01	12, 01	02	013	02	12	02	12, 01	02	013	01	12	01	12, 01	02	023	02	12	01	01
01	02	023	02	01	12	01, 01	02	123	12	01	02	01, 01	02	123	02	01	12	01, 01	02	023	12	01	02	01, 01	02	023	12	01	01	01
01	02	123	02	01	02	01, 01	02	123	12	01	12	01, 01	02	023	02	01	02	01, 01	02	013	01	02	12	02, 01	02	123	12	02	01	01
01	02	123	01	02	12	02, 01	02	013	12	02	01	02, 01	02	013	12	02	12	02, 01	02	123	01	02	01	02, 01	02	123	12	02	01	01
01	02	013	01	02	01	02, 01	01	023	02	01	12	01, 01	01	023	12	01	02	01, 01	01	023	12	01	12	01, 01	01	023	02	01	01	01
01	02	123	02	12	01	12, 01	02	123	01	12	02	12, 01	02	123	01	12	01	12, 01	02	123	02	12	02	12, 01	02	013	02	01	01	01
01	02	013	12	01	02	01, 01	02	013	12	01	12	01, 01	02	013	02	01	02	01, 01	02	023	01	02	12	02, 01	02	023	12	02	01	01
01	02	023	12	02	12	02, 01	02	023	01	02	01	02, 01	01	012	03	01	13	01, 01	01	012	03	01	03	01, 01	01	012	03	0		

01	02	123	13	23	12	13, 01	02	123	13	23	23	13, 01	02	123	13	12	12	13, 01	02	123	23	12	13	23, 01	02	123	23	13	12	13
01	02	123	23	13	13	23, 01	02	123	23	12	12	23, 01	01	023	02	03	23	02, 01	02	123	12	23	13	12, 01	02	123	12	13	23	12
01	01	023	02	23	03	02, 01	02	123	12	13	23	13, 01	02	123	23	13	12	13, 01	02	123	23	13	23	13, 01	02	123	12	13	12	13
01	02	123	12	23	13	23, 01	02	123	13	23	12	23, 01	02	123	13	23	13	23, 01	02	123	12	23	12	23, 01	01	023	02	03	23	12
01	02	123	23	12	13	12, 01	02	123	13	12	23	12, 01	01	023	23	02	03	02, 01	01	023	23	02	23	02, 01	02	123	13	12	13	12
01	02	123	23	12	23	12, 01	01	023	02	03	02	03, 01	01	023	23	23	02	23, 01	02	123	13	13	23	13, 01	02	123	13	13	12	13
01	02	123	23	23	13	23, 01	02	123	23	23	12	23, 01	01	023	02	02	23	02, 01	02	123	12	12	13	12, 01	02	123	12	12	23	12
01	01	023	02	02	03	02, 01	02	123	12	23	13	13, 01	02	123	23	12	13	13, 01	02	123	23	23	13	13, 01	02	123	12	12	23	12
01	02	123	12	13	23	23, 01	02	123	13	12	23	23, 01	02	123	13	13	23	23, 01	02	123	12	12	23	23, 01	01	023	02	23	12	13
01	02	123	23	13	12	12, 01	02	123	13	23	12	12, 01	01	023	23	02	03	03, 01	01	023	23	23	02	02, 01	02	123	13	13	12	13
01	02	123	23	23	12	12, 01	01	023	02	02	03	03, 01	01	023	23	02	23	23, 01	02	123	13	23	13	13, 01	02	123	13	12	13	12
01	02	123	23	13	23	23, 01	02	123	23	12	23	23, 01	01	023	02	23	02	02, 01	02	123	12	13	12	12, 01	02	123	12	23	12	13
01	01	023	02	03	02	02, 01	02	123	13	13	13	13, 01	02	123	23	23	23	23, 01	02	123	12	12	12	12, 01	01	023	02	02	03	12
01	02	013	01	01	03	13, 01	02	013	03	03	01	13, 01	02	013	03	01	03	13, 01	02	013	01	03	01	13, 01	02	013	03	01	03	12
01	02	013	01	01	01	13, 01	23	012	02	02	12	01, 01	23	012	02	12	02	01, 01	23	012	02	12	12	01, 01	23	012	02	02	03	12
01	02	013	01	01	13	03, 01	23	012	02	02	01	12, 01	23	012	01	01	02	12, 01	02	013	13	13	01	03, 01	02	013	13	01	12	13
01	23	012	01	02	01	12, 01	23	012	02	01	02	12, 01	02	013	01	13	01	03, 01	23	012	02	01	01	12, 01	02	013	13	0		



01|01|023|12|02|03|01, 01|01|023|12|02|03|12, 01|01|023|12|02|03|13, 01|01|023|12|02|12|01, 01|01|023|12|02|  
 01|01|023|12|02|12|13, 01|01|023|12|02|23|01, 01|01|023|12|02|23|12, 01|01|023|12|02|23|13, 01|01|023|12|03|  
 01|01|023|12|03|02|12, 01|01|023|12|03|02|13, 01|01|023|12|03|12|01, 01|01|023|12|03|12|12, 01|01|023|12|03|  
 01|01|023|12|03|23|01, 01|01|023|12|03|23|12, 01|01|023|12|03|23|13, 01|01|023|12|12|01|01, 01|01|023|12|12|  
 01|01|023|12|12|01|13, 01|01|023|12|12|02|01, 01|01|023|12|12|02|12, 01|01|023|12|12|02|13, 01|01|023|12|12|  
 01|01|023|12|12|03|12, 01|01|023|12|12|03|13, 01|01|023|12|23|01|01, 01|01|023|12|23|01|12, 01|01|023|12|23|  
 01|01|023|12|23|02|01, 01|01|023|12|23|02|12, 01|01|023|12|23|02|13, 01|01|023|12|23|03|01, 01|01|023|12|23|  
 01|01|023|12|23|03|13, 01|01|023|23|01|02|03, 01|01|023|23|01|02|13, 01|01|023|23|01|02|23, 01|01|023|23|01|  
 01|01|023|23|01|12|13, 01|01|023|23|01|12|23, 01|01|023|23|01|23|02, 01|01|023|23|01|23|12, 01|01|023|23|01|  
 01|01|023|23|02|01|03, 01|01|023|23|02|01|13, 01|01|023|23|02|01|23, 01|01|023|23|02|02|03, 01|01|023|23|02|  
 01|01|023|23|02|02|23, 01|01|023|23|02|03|02, 01|01|023|23|02|03|03, 01|01|023|23|02|03|12, 01|01|023|23|02|  
 01|01|023|23|02|03|23, 01|01|023|23|02|12|03, 01|01|023|23|02|12|13, 01|01|023|23|02|12|23, 01|01|023|23|02|  
 01|01|023|23|02|13|12, 01|01|023|23|02|13|23, 01|01|023|23|02|23|02, 01|01|023|23|02|23|03, 01|01|023|23|02|  
 01|01|023|23|02|23|13, 01|01|023|23|02|23|23, 01|01|023|23|12|01|03, 01|01|023|23|12|01|13, 01|01|023|23|12|  
 01|01|023|23|12|02|03, 01|01|023|23|12|02|13, 01|01|023|23|12|02|23, 01|01|023|23|12|03|03, 01|01|023|23|12|  
 01|01|023|23|12|03|23, 01|01|023|23|23|01|02, 01|01|023|23|23|01|12, 01|01|023|23|23|01|23, 01|01|023|23|23|  
 01|01|023|23|23|02|03, 01|01|023|23|23|02|12, 01|01|023|23|23|02|13, 01|01|023|23|23|02|23, 01|02|012|03|01|  
 01|02|012|03|01|01|02, 01|02|012|03|01|01|03, 01|02|012|03|01|02|01, 01|02|012|03|01|02|02, 01|02|012|03|01|  
 01|02|012|03|01|03|01, 01|02|012|03|01|03|02, 01|02|012|03|01|03|03, 01|02|012|03|01|12|01, 01|02|012|03|01|  
 01|02|012|03|01|12|03, 01|02|012|03|01|13|01, 01|02|012|03|01|13|02, 01|02|012|03|01|13|03, 01|02|012|03|01|  
 01|02|012|03|01|23|02, 01|02|012|03|01|23|03, 01|02|012|03|02|01|01, 01|02|012|03|02|01|02, 01|02|012|03|02|  
 01|02|012|03|02|02|01, 01|02|012|03|02|02|02, 01|02|012|03|02|02|03, 01|02|012|03|02|03|01, 01|02|012|03|02|  
 01|02|012|03|02|03|03, 01|02|012|03|02|12|01, 01|02|012|03|02|12|02, 01|02|012|03|02|12|03, 01|02|012|03|02|  
 01|02|012|03|02|13|02, 01|02|012|03|02|13|03, 01|02|012|03|02|23|01, 01|02|012|03|02|23|02, 01|02|012|03|02|  
 01|02|012|03|03|01|01, 01|02|012|03|03|01|02, 01|02|012|03|03|01|03, 01|02|012|03|03|02|01, 01|02|012|03|03|  
 01|02|012|03|03|02|03, 01|02|012|03|03|12|01, 01|02|012|03|03|12|02, 01|02|012|03|03|12|03, 01|02|012|03|03|  
 01|02|012|03|03|13|02, 01|02|012|03|03|13|03, 01|02|012|03|03|23|01, 01|02|012|03|03|23|02, 01|02|012|03|03|  
 01|02|012|03|12|01|01, 01|02|012|03|12|01|02, 01|02|012|03|12|01|03, 01|02|012|03|12|02|01, 01|02|012|03|12|  
 01|02|012|03|12|02|03, 01|02|012|03|12|03|01, 01|02|012|03|12|03|02, 01|02|012|03|12|03|03, 01|02|012|03|12|  
 01|02|012|03|12|12|02, 01|02|012|03|12|12|03, 01|02|012|03|12|13|01, 01|02|012|03|12|13|02, 01|02|012|03|12|  
 01|02|012|03|12|23|01, 01|02|012|03|12|23|02, 01|02|012|03|12|23|03, 01|02|012|03|13|01|01, 01|02|012|03|13|  
 01|02|012|03|13|01|03, 01|02|012|03|13|02|01, 01|02|012|03|13|02|02, 01|02|012|03|13|02|03, 01|02|012|03|13|  
 01|02|012|03|13|03|02, 01|02|012|03|13|03|03, 01|02|012|03|13|12|01, 01|02|012|03|13|12|02, 01|02|012|03|13|  
 01|02|012|03|13|23|01, 01|02|012|03|13|23|02, 01|02|012|03|13|23|03, 01|02|012|03|23|01|01, 01|02|012|03|23|  
 01|02|012|03|23|01|03, 01|02|012|03|23|02|01, 01|02|012|03|23|02|02, 01|02|012|03|23|02|03, 01|02|012|03|23|  
 01|02|012|03|23|03|02, 01|02|012|03|23|03|03, 01|02|012|03|23|12|01, 01|02|012|03|23|12|02, 01|02|012|03|23|  
 01|02|012|03|23|13|01, 01|02|012|03|23|13|02, 01|02|012|03|23|13|03, 01|02|012|13|01|01|01, 01|02|012|13|01|  
 01|02|012|13|01|01|13, 01|02|012|13|01|02|01, 01|02|012|13|01|02|12, 01|02|012|13|01|02|13, 01|02|012|13|01|  
 01|02|012|13|01|03|12, 01|02|012|13|01|03|13, 01|02|012|13|01|12|01, 01|02|012|13|01|12|12, 01|02|012|13|01|  
 01|02|012|13|01|13|01, 01|02|012|13|01|13|12, 01|02|012|13|01|13|13, 01|02|012|13|01|23|01, 01|02|012|13|01|  
 01|02|012|13|01|23|13, 01|02|012|13|02|01|01, 01|02|012|13|02|01|12, 01|02|012|13|02|01|13, 01|02|012|13|02|  
 01|02|012|13|02|02|12, 01|02|012|13|02|02|13, 01|02|012|13|02|03|01, 01|02|012|13|02|03|12, 01|02|012|13|02|

01	02	012	13	02	12	01,	01	02	012	13	02	12	12,	01	02	012	13	02	12	13,	01	02	012	13	02	13	01,	01	02	012	13	02
01	02	012	13	02	13	13,	01	02	012	13	02	23	01,	01	02	012	13	02	23	12,	01	02	012	13	02	23	13,	01	02	012	13	03
01	02	012	13	03	01	12,	01	02	012	13	03	01	13,	01	02	012	13	03	02	01,	01	02	012	13	03	02	12,	01	02	012	13	03
01	02	012	13	03	12	01,	01	02	012	13	03	12	12,	01	02	012	13	03	12	13,	01	02	012	13	03	13	01,	01	02	012	13	03
01	02	012	13	03	13	13,	01	02	012	13	03	23	01,	01	02	012	13	03	23	12,	01	02	012	13	03	23	13,	01	02	012	13	12
01	02	012	13	12	01	12,	01	02	012	13	12	01	13,	01	02	012	13	12	02	01,	01	02	012	13	12	02	12,	01	02	012	13	12
01	02	012	13	12	03	01,	01	02	012	13	12	03	12,	01	02	012	13	12	03	13,	01	02	012	13	12	12	01,	01	02	012	13	12
01	02	012	13	12	12	13,	01	02	012	13	12	13	01,	01	02	012	13	12	13	12,	01	02	012	13	12	13	13,	01	02	012	13	12
01	02	012	13	12	23	12,	01	02	012	13	12	23	13,	01	02	012	13	13	01	01,	01	02	012	13	13	01	12,	01	02	012	13	13
01	02	012	13	13	02	01,	01	02	012	13	13	02	12,	01	02	012	13	13	02	13,	01	02	012	13	13	03	01,	01	02	012	13	13
01	02	012	13	13	03	13,	01	02	012	13	13	12	01,	01	02	012	13	13	12	12,	01	02	012	13	13	12	13,	01	02	012	13	13
01	02	012	13	13	23	12,	01	02	012	13	13	23	13,	01	02	012	13	23	01	01,	01	02	012	13	23	01	12,	01	02	012	13	23
01	02	012	13	23	02	01,	01	02	012	13	23	02	12,	01	02	012	13	23	02	13,	01	02	012	13	23	03	01,	01	02	012	13	23
01	02	012	13	23	03	13,	01	02	012	13	23	12	01,	01	02	012	13	23	12	12,	01	02	012	13	23	12	13,	01	02	012	13	23
01	02	012	13	23	13	12,	01	02	012	13	23	13	13,	01	02	012	23	01	01	02,	01	02	012	23	01	01	12,	01	02	012	23	01
01	02	012	23	01	02	02,	01	02	012	23	01	02	12,	01	02	012	23	01	02	23,	01	02	012	23	01	03	02,	01	02	012	23	01
01	02	012	23	01	03	23,	01	02	012	23	01	12	02,	01	02	012	23	01	12	12,	01	02	012	23	01	12	23,	01	02	012	23	01
01	02</																															

01|02|013|01|02|13|13, 01|02|013|01|03|01|01, 01|02|013|01|03|01|02, 01|02|013|01|03|01|03, 01|02|013|01|03|01|03|01|03, 01|02|013|01|03|01|03|01|13, 01|02|013|01|03|12|01, 01|02|013|01|03|12|02, 01|02|013|01|03|12|03, 01|02|013|01|03|01|02|013|01|03|12|13, 01|02|013|01|03|13|01, 01|02|013|01|03|13|02, 01|02|013|01|03|13|03, 01|02|013|01|03|01|02|013|01|03|13|13, 01|02|013|01|12|01|01, 01|02|013|01|12|01|02, 01|02|013|01|12|01|03, 01|02|013|01|12|01|02|013|01|12|01|13, 01|02|013|01|12|02|01, 01|02|013|01|12|02|02, 01|02|013|01|12|02|03, 01|02|013|01|12|01|02|013|01|12|02|13, 01|02|013|01|12|03|01, 01|02|013|01|12|03|02, 01|02|013|01|12|03|03, 01|02|013|01|12|01|02|013|01|12|03|13, 01|02|013|01|13|01|01, 01|02|013|01|13|01|02, 01|02|013|01|13|01|03, 01|02|013|01|13|01|02|013|01|13|02|01, 01|02|013|01|13|02|02, 01|02|013|01|13|02|03, 01|02|013|01|13|01|02|013|01|13|02|13, 01|02|013|01|13|03|01, 01|02|013|01|13|03|02, 01|02|013|01|13|03|03, 01|02|013|01|13|01|02|013|02|01|01|01, 01|02|013|02|01|01|02, 01|02|013|02|01|01|03, 01|02|013|02|01|01|02|013|02|01|01|23, 01|02|013|02|01|02|01, 01|02|013|02|01|02|02, 01|02|013|02|01|02|03, 01|02|013|02|01|02|01|02|23, 01|02|013|02|01|03|01, 01|02|013|02|01|03|02, 01|02|013|02|01|03|03, 01|02|013|02|01|02|013|02|01|03|23, 01|02|013|02|01|12|01, 01|02|013|02|01|12|02, 01|02|013|02|01|12|03, 01|02|013|02|01|02|013|02|01|12|23, 01|02|013|02|01|13|01, 01|02|013|02|01|13|02, 01|02|013|02|01|13|03, 01|02|013|02|01|02|013|02|01|13|23, 01|02|013|02|02|01|01, 01|02|013|02|02|01|02, 01|02|013|02|02|01|03, 01|02|013|02|02|01|02|013|02|02|01|23, 01|02|013|02|02|12|01, 01|02|013|02|02|12|02, 01|02|013|02|02|12|03, 01|02|013|02|02|01|02|013|02|02|12|23, 01|02|013|02|02|13|01, 01|02|013|02|02|13|02, 01|02|013|02|02|13|03, 01|02|013|02|02|01|02|013|02|02|13|23, 01|02|013|02|03|01|01, 01|02|013|02|03|01|02, 01|02|013|02|03|01|03, 01|02|013|02|03|01|02|013|02|03|01|23, 01|02|013|02|03|12|01, 01|02|013|02|03|12|02, 01|02|013|02|03|12|03, 01|02|013|02|03|01|02|013|02|03|12|23, 01|02|013|02|03|13|01, 01|02|013|02|03|13|02, 01|02|013|02|03|13|03, 01|02|013|02|03|01|02|013|02|03|13|23, 01|02|013|02|12|01|01, 01|02|013|02|12|01|02, 01|02|013|02|12|01|03, 01|02|013|02|12|01|02|013|02|12|01|23, 01|02|013|02|12|02|01, 01|02|013|02|12|02|02, 01|02|013|02|12|02|03, 01|02|013|02|12|02|01|02|013|02|12|02|23, 01|02|013|02|12|03|01, 01|02|013|02|12|03|02, 01|02|013|02|12|03|03, 01|02|013|02|12|02|013|02|12|03|23, 01|02|013|02|13|01|01, 01|02|013|02|13|01|02, 01|02|013|02|13|01|03, 01|02|013|02|13|01|02|013|02|13|01|23, 01|02|013|02|13|02|01, 01|02|013|02|13|02|02, 01|02|013|02|13|02|03, 01|02|013|02|13|02|01|02|013|02|13|02|23, 01|02|013|02|13|03|01, 01|02|013|02|13|03|02, 01|02|013|02|13|03|03, 01|02|013|02|13|03|01|02|013|03|01|01|03, 01|02|013|03|01|01|03, 01|02|013|03|01|01|13, 01|02|013|03|01|01|23, 01|02|013|03|01|01|02|013|03|01|02|13, 01|02|013|03|01|02|23, 01|02|013|03|01|03|01, 01|02|013|03|01|03|02, 01|02|013|03|01|03|01|02|013|03|01|03|13, 01|02|013|03|01|03|23, 01|02|013|03|01|12|03, 01|02|013|03|01|12|13, 01|02|013|03|01|01|02|013|03|01|13|01, 01|02|013|03|01|13|02, 01|02|013|03|01|13|03, 01|02|013|03|01|13|13, 01|02|013|03|01|01|02|013|03|01|23|01, 01|02|013|03|01|23|02, 01|02|013|03|01|23|03, 01|02|013|03|02|01|03, 01|02|013|03|02|01|02|013|03|02|01|23, 01|02|013|03|02|03|01, 01|02|013|03|02|03|02, 01|02|013|03|02|03|03, 01|02|013|03|02|01|02|013|03|02|12|13, 01|02|013|03|02|12|23, 01|02|013|03|02|13|01, 01|02|013|03|02|13|02, 01|02|013|03|02|13|03, 01|02|013|03|02|01|02|013|03|02|13|13, 01|02|013|03|02|13|23, 01|02|013|03|02|23|01, 01|02|013|03|02|23|02, 01|02|013|03|02|23|03, 01|02|013|03|03|01|01, 01|02|013|03|03|01|02, 01|02|013|03|03|01|03, 01|02|013|03|03|01|13, 01|02|013|03|03|01|02|013|03|03|02|01, 01|02|013|03|03|02|02, 01|02|013|03|03|02|03, 01|02|013|03|03|03|01, 01|02|013|03|03|01|02|013|03|03|03|03, 01|02|013|03|03|12|01, 01|02|013|03|03|12|02, 01|02|013|03|03|12|03, 01|02|013|03|03|01|02|013|03|03|12|23, 01|02|013|03|03|13|01, 01|02|013|03|03|13|02, 01|02|013|03|03|13|03, 01|02|013|03|03|01|02|013|03|03|13|23, 01|02|013|03|03|23|01, 01|02|013|03|03|23|02, 01|02|013|03|03|23|03, 01|02|013|03|12|01|13, 01|02|013|03|12|01|23, 01|02|013|03|12|02|03, 01|02|013|03|12|02|13, 01|02|013|03|12|01|02|013|03|12|03|01, 01|02|013|03|12|03|02, 01|02|013|03|12|03|03, 01|02|013|03|12|03|13, 01|02|013|03|12|01|02|013|03|12|13|01, 01|02|013|03|12|13|02, 01|02|013|03|12|13|03, 01|02|013|03|12|23|01, 01|02|013|03|12|

01|02|013|03|12|23|03, 01|02|013|03|13|01|01, 01|02|013|03|13|01|02, 01|02|013|03|13|01|03, 01|02|013|03|13|  
 01|02|013|03|13|01|23, 01|02|013|03|13|02|01, 01|02|013|03|13|02|02, 01|02|013|03|13|02|03, 01|02|013|03|13|  
 01|02|013|03|13|02|23, 01|02|013|03|13|03|01, 01|02|013|03|13|03|02, 01|02|013|03|13|03|03, 01|02|013|03|13|  
 01|02|013|03|13|03|23, 01|02|013|03|13|12|01, 01|02|013|03|13|12|02, 01|02|013|03|13|12|03, 01|02|013|03|13|  
 01|02|013|03|13|13|02, 01|02|013|03|13|13|03, 01|02|013|03|13|23|01, 01|02|013|03|13|23|02, 01|02|013|03|13|  
 01|02|013|03|23|01|01, 01|02|013|03|23|01|02, 01|02|013|03|23|01|03, 01|02|013|03|23|02|01, 01|02|013|03|23|  
 01|02|013|03|23|02|03, 01|02|013|03|23|03|01, 01|02|013|03|23|03|02, 01|02|013|03|23|03|03, 01|02|013|03|23|  
 01|02|013|03|23|12|02, 01|02|013|03|23|12|03, 01|02|013|03|23|13|01, 01|02|013|03|23|13|02, 01|02|013|03|23|  
 01|02|013|12|01|01|01, 01|02|013|12|01|01|02, 01|02|013|12|01|01|12, 01|02|013|12|01|01|13, 01|02|013|12|01|  
 01|02|013|12|01|02|01, 01|02|013|12|01|02|02, 01|02|013|12|01|02|12, 01|02|013|12|01|02|13, 01|02|013|12|01|  
 01|02|013|12|01|03|01, 01|02|013|12|01|03|02, 01|02|013|12|01|03|12, 01|02|013|12|01|03|13, 01|02|013|12|01|  
 01|02|013|12|01|12|01, 01|02|013|12|01|12|02, 01|02|013|12|01|12|12, 01|02|013|12|01|12|13, 01|02|013|12|01|  
 01|02|013|12|01|13|01, 01|02|013|12|01|13|02, 01|02|013|12|01|13|12, 01|02|013|12|01|13|13, 01|02|013|12|01|  
 01|02|013|12|02|01|01, 01|02|013|12|02|01|02, 01|02|013|12|02|01|12, 01|02|013|12|02|01|13, 01|02|013|12|02|  
 01|02|013|12|02|12|01, 01|02|013|12|02|12|02, 01|02|013|12|02|12|12, 01|02|013|12|02|12|13, 01|02|013|12|02|  
 01|02|013|12|02|13|01, 01|02|013|12|02|13|02, 01|02|013|12|02|13|12, 01|02|013|12|02|13|13, 01|02|013|12|02|  
 01|02|013|12|03|01|01, 01|02|013|12|03|01|02, 01|02|013|12|03|01|12, 01|02|013|12|03|01|13, 01|02|013|12|03|  
 01|02|013|12|03|12|01, 01|02|013|12|03|12|02, 01|02|013|12|03|12|12, 01|02|013|12|03|12|13, 01|02|013|12|03|  
 01|02|013|12|03|13|01, 01|02|013|12|03|13|02, 01|02|013|12|03|13|12, 01|02|013|12|03|13|13, 01|02|013|12|03|  
 01|02|013|12|12|01|01, 01|02|013|12|12|01|02, 01|02|013|12|12|01|12, 01|02|013|12|12|01|13, 01|02|013|12|12|  
 01|02|013|12|12|02|01, 01|02|013|12|12|02|02, 01|02|013|12|12|02|12, 01|02|013|12|12|02|13, 01|02|013|12|12|  
 01|02|013|12|12|03|01, 01|02|013|12|12|03|02, 01|02|013|12|12|03|12, 01|02|013|12|12|03|13, 01|02|013|12|12|  
 01|02|013|12|13|01|01, 01|02|013|12|13|01|02, 01|02|013|12|13|01|12, 01|02|013|12|13|01|13, 01|02|013|12|13|  
 01|02|013|12|13|02|01, 01|02|013|12|13|02|02, 01|02|013|12|13|02|12, 01|02|013|12|13|02|13, 01|02|013|12|13|  
 01|02|013|12|13|03|01, 01|02|013|12|13|03|02, 01|02|013|12|13|03|12, 01|02|013|12|13|03|13, 01|02|013|12|13|  
 01|02|013|13|01|01|03, 01|02|013|13|01|01|13, 01|02|013|13|01|01|23, 01|02|013|13|01|02|03, 01|02|013|13|01|  
 01|02|013|13|01|02|23, 01|02|013|13|01|03|01, 01|02|013|13|01|03|03, 01|02|013|13|01|03|12, 01|02|013|13|01|  
 01|02|013|13|01|03|23, 01|02|013|13|01|12|03, 01|02|013|13|01|12|13, 01|02|013|13|01|12|23, 01|02|013|13|01|  
 01|02|013|13|01|13|03, 01|02|013|13|01|13|12, 01|02|013|13|01|13|13, 01|02|013|13|01|13|23, 01|02|013|13|01|  
 01|02|013|13|01|23|12, 01|02|013|13|01|23|13, 01|02|013|13|02|01|03, 01|02|013|13|02|01|13, 01|02|013|13|02|  
 01|02|013|13|02|03|01, 01|02|013|13|02|03|12, 01|02|013|13|02|03|13, 01|02|013|13|02|12|03, 01|02|013|13|02|  
 01|02|013|13|02|12|23, 01|02|013|13|02|13|01, 01|02|013|13|02|13|03, 01|02|013|13|02|13|12, 01|02|013|13|02|  
 01|02|013|13|02|13|23, 01|02|013|13|02|23|01, 01|02|013|13|02|23|12, 01|02|013|13|02|23|13, 01|02|013|13|03|  
 01|02|013|13|03|01|03, 01|02|013|13|03|01|12, 01|02|013|13|03|01|13, 01|02|013|13|03|01|23, 01|02|013|13|03|  
 01|02|013|13|03|02|12, 01|02|013|13|03|02|13, 01|02|013|13|03|03|01, 01|02|013|13|03|03|12, 01|02|013|13|03|  
 01|02|013|13|03|12|01, 01|02|013|13|03|12|03, 01|02|013|13|03|12|12, 01|02|013|13|03|12|13, 01|02|013|13|03|  
 01|02|013|13|03|13|01, 01|02|013|13|03|13|03, 01|02|013|13|03|13|12, 01|02|013|13|03|13|13, 01|02|013|13|03|  
 01|02|013|13|03|23|01, 01|02|013|13|03|23|12, 01|02|013|13|03|23|13, 01|02|013|13|12|01|03, 01|02|013|13|12|  
 01|02|013|13|12|01|23, 01|02|013|13|12|02|03, 01|02|013|13|12|02|13, 01|02|013|13|12|02|23, 01|02|013|13|12|  
 01|02|013|13|12|03|03, 01|02|013|13|12|03|12, 01|02|013|13|12|03|13, 01|02|013|13|12|03|23, 01|02|013|13|12|  
 01|02|013|13|12|13|12, 01|02|013|13|12|13|13, 01|02|013|13|12|23|01, 01|02|013|13|12|23|12, 01|02|013|13|12|  
 01|02|013|13|13|01|01, 01|02|013|13|13|01|03, 01|02|013|13|13|01|12, 01|02|013|13|13|01|13, 01|02|013|13|13|



01|02|013|13|13|02|01, 01|02|013|13|13|02|03, 01|02|013|13|13|02|12, 01|02|013|13|13|02|13, 01|02|013|13|13|  
 01|02|013|13|13|03|01, 01|02|013|13|13|03|03, 01|02|013|13|13|03|12, 01|02|013|13|13|03|13, 01|02|013|13|13|  
 01|02|013|13|13|12|01, 01|02|013|13|13|12|12, 01|02|013|13|13|12|13, 01|02|013|13|13|13|01, 01|02|013|13|13|  
 01|02|013|13|13|13|13, 01|02|013|13|13|23|01, 01|02|013|13|13|23|12, 01|02|013|13|13|23|13, 01|02|013|13|23|  
 01|02|013|13|23|01|12, 01|02|013|13|23|01|13, 01|02|013|13|23|02|01, 01|02|013|13|23|02|12, 01|02|013|13|23|  
 01|02|013|13|23|03|01, 01|02|013|13|23|03|12, 01|02|013|13|23|03|13, 01|02|013|13|23|12|01, 01|02|013|13|23|  
 01|02|013|13|23|12|13, 01|02|013|13|23|13|01, 01|02|013|13|23|13|12, 01|02|013|13|23|13|13, 01|02|013|23|01|  
 01|02|013|23|01|01|13, 01|02|013|23|01|01|23, 01|02|013|23|01|02|03, 01|02|013|23|01|02|13, 01|02|013|23|01|  
 01|02|013|23|01|03|02, 01|02|013|23|01|03|03, 01|02|013|23|01|03|12, 01|02|013|23|01|03|13, 01|02|013|23|01|  
 01|02|013|23|01|12|03, 01|02|013|23|01|12|13, 01|02|013|23|01|12|23, 01|02|013|23|01|13|02, 01|02|013|23|01|  
 01|02|013|23|01|13|12, 01|02|013|23|01|13|13, 01|02|013|23|01|13|23, 01|02|013|23|01|23|02, 01|02|013|23|01|  
 01|02|013|23|01|23|23, 01|02|013|23|02|01|03, 01|02|013|23|02|01|13, 01|02|013|23|02|01|23, 01|02|013|23|02|  
 01|02|013|23|02|03|12, 01|02|013|23|02|03|23, 01|02|013|23|02|12|03, 01|02|013|23|02|12|13, 01|02|013|23|02|  
 01|02|013|23|02|13|02, 01|02|013|23|02|13|03, 01|02|013|23|02|13|12, 01|02|013|23|02|13|13, 01|02|013|23|02|  
 01|02|013|23|02|23|02, 01|02|013|23|02|23|12, 01|02|013|23|02|23|23, 01|02|013|23|03|01|02, 01|02|013|23|03|  
 01|02|013|23|03|01|12, 01|02|013|23|03|01|13, 01|02|013|23|03|01|23, 01|02|013|23|03|02|02, 01|02|013|23|03|  
 01|02|013|23|03|02|23, 01|02|013|23|03|03|02, 01|02|013|23|03|03|12, 01|02|013|23|03|03|23, 01|02|013|23|03|  
 01|02|013|23|03|12|03, 01|02|013|23|03|12|12, 01|02|013|23|03|12|13, 01|02|013|23|03|12|23, 01|02|013|23|03|  
 01|02|013|23|03|13|03, 01|02|013|23|03|13|12, 01|02|013|23|03|13|13, 01|02|013|23|03|13|23, 01|02|013|23|03|  
 01|02|013|23|03|23|12, 01|02|013|23|03|23|23, 01|02|013|23|12|01|03, 01|02|013|23|12|01|13, 01|02|013|23|12|  
 01|02|013|23|12|02|03, 01|02|013|23|12|02|13, 01|02|013|23|12|02|23, 01|02|013|23|12|03|02, 01|02|013|23|12|  
 01|02|013|23|12|03|12, 01|02|013|23|12|03|13, 01|02|013|23|12|03|23, 01|02|013|23|12|13|02, 01|02|013|23|12|  
 01|02|013|23|12|13|23, 01|02|013|23|12|23|02, 01|02|013|23|12|23|12, 01|02|013|23|12|23|23, 01|02|013|23|13|  
 01|02|013|23|13|01|03, 01|02|013|23|13|01|12, 01|02|013|23|13|01|13, 01|02|013|23|13|01|23, 01|02|013|23|13|  
 01|02|013|23|13|02|03, 01|02|013|23|13|02|12, 01|02|013|23|13|02|13, 01|02|013|23|13|02|23, 01|02|013|23|13|  
 01|02|013|23|13|03|03, 01|02|013|23|13|03|12, 01|02|013|23|13|03|13, 01|02|013|23|13|03|23, 01|02|013|23|13|  
 01|02|013|23|13|12|12, 01|02|013|23|13|12|23, 01|02|013|23|13|13|02, 01|02|013|23|13|13|12, 01|02|013|23|13|  
 01|02|013|23|13|23|02, 01|02|013|23|13|23|12, 01|02|013|23|13|23|23, 01|02|013|23|23|01|02, 01|02|013|23|23|  
 01|02|013|23|23|01|23, 01|02|013|23|23|02|02, 01|02|013|23|23|02|12, 01|02|013|23|23|02|23, 01|02|013|23|23|  
 01|02|013|23|23|03|12, 01|02|013|23|23|03|23, 01|02|013|23|23|12|02, 01|02|013|23|23|12|12, 01|02|013|23|23|  
 01|02|013|23|23|13|02, 01|02|013|23|23|13|12, 01|02|013|23|23|13|23, 01|02|023|01|01|02|01, 01|02|023|01|01|  
 01|02|023|01|01|02|03, 01|02|023|01|01|02|12, 01|02|023|01|01|02|13, 01|02|023|01|01|12|01, 01|02|023|01|01|  
 01|02|023|01|01|12|03, 01|02|023|01|01|12|12, 01|02|023|01|01|12|13, 01|02|023|01|01|23|01, 01|02|023|01|01|  
 01|02|023|01|01|23|03, 01|02|023|01|01|23|12, 01|02|023|01|01|23|13, 01|02|023|01|02|01|01, 01|02|023|01|02|  
 01|02|023|01|02|01|03, 01|02|023|01|02|01|12, 01|02|023|01|02|01|13, 01|02|023|01|02|02|01, 01|02|023|01|02|  
 01|02|023|01|02|02|03, 01|02|023|01|02|02|12, 01|02|023|01|02|02|13, 01|02|023|01|02|03|01, 01|02|023|01|02|  
 01|02|023|01|02|03|03, 01|02|023|01|02|03|12, 01|02|023|01|02|03|13, 01|02|023|01|02|12|01, 01|02|023|01|02|  
 01|02|023|01|02|12|03, 01|02|023|01|02|12|12, 01|02|023|01|02|12|13, 01|02|023|01|02|23|01, 01|02|023|01|02|  
 01|02|023|01|02|23|03, 01|02|023|01|02|23|12, 01|02|023|01|02|23|13, 01|02|023|01|03|02|01, 01|02|023|01|03|  
 01|02|023|01|03|02|03, 01|02|023|01|03|02|12, 01|02|023|01|03|02|13, 01|02|023|01|03|12|01, 01|02|023|01|03|  
 01|02|023|01|03|12|03, 01|02|023|01|03|12|12, 01|02|023|01|03|12|13, 01|02|023|01|03|23|01, 01|02|023|01|03|  
 01|02|023|01|03|23|03, 01|02|023|01|03|23|12, 01|02|023|01|03|23|13, 01|02|023|01|12|01|01, 01|02|023|01|12|

01	02	02	03	01	12	01	03	01	02	02	03	01	12	01	12	01	13	01	02	02	03	01	12	02	01	01	02	02	03	01	12
01	02	02	03	01	12	02	03	01	02	02	03	01	12	02	12	01	02	02	02	03	01	12	02	13	01	02	02	03	01	12	03
01	02	02	03	01	12	03	03	01	02	02	03	01	12	03	12	01	02	02	02	03	01	12	03	13	01	02	02	03	01	23	01
01	02	02	03	01	23	01	03	01	02	02	03	01	23	01	12	01	02	02	02	03	01	23	01	13	01	02	02	03	01	23	02
01	02	02	03	01	23	02	03	01	02	02	03	01	23	02	12	01	02	02	02	03	01	23	02	13	01	02	02	03	01	23	03
01	02	02	03	01	23	03	03	01	02	02	03	01	23	03	12	01	02	02	02	03	01	23	03	13	01	02	02	03	01	23	04
01	02	02	03	01	02	01	02	03	01	02	02	03	02	01	02	12	01	02	02	02	03	02	01	02	23	01	02	02	03	02	01
01	02	02	03	01	12	03	01	02	02	03	02	01	12	12	01	02	02	02	02	03	02	01	12	23	01	02	02	03	02	01	23
01	02	02	03	01	23	03	01	02	02	03	02	01	23	12	01	02	02	02	02	03	02	01	23	23	01	02	02	03	02	02	23
01	02	02	03	01	02	01	03	01	02	02	03	02	02	01	12	01	02	02	02	02	03	02	02	01	23	01	02	02	03	02	23
01	02	02	03	01	02	02	03	01	02	02	03	02	02	02	12	01	02	02	02	02	03	02	02	02	23	01	02	02	03	02	23
01	02	02	03	01	02	02	03	03	01	02	02	03	02	02	03	12	01	02	02	02	03	02	02	03	23	01	02	02	03	02	23
01	02	02	03	01	02	02	12	03	01	02	02	03	02	02	12	01	02	02	02	02	03	02	02	12	23	01	02	02	03	02	23
01	02	02	03	01	02	02	23	03	01	02	02	03	02	02	23	12	01	02	02	02	03	02	02	23	23	01	02	02	03	02	23
01	02	02	03	01	02	03	02	03	01	02	02	03	02	03	02	12	01	02	02	02	03	02	03	02	23	01	02	02	03	02	23
01	02	02	03	01	02	03	12	03	01	02	02	03	02	03	12	01	02	02	02	03	02	03	12	23	01	02	02	03	02	23	23
01	02	02	03	01	02	03	02	03	01	02	02	03	02	03	23	12	01	02	02	02	03	02	03	23	23	01	02	02	03	02	23
01	02	02	03	01	02	03	02	03	01	02	02	03	02	03	23	12	01	02	02	02	03	02	03	23	23	01	02	02	03	02	

01|02|023|03|23|01|03, 01|02|023|03|23|01|13, 01|02|023|03|23|01|23, 01|02|023|03|23|02|01, 01|02|023|03|23|  
 01|02|023|03|23|02|03, 01|02|023|03|23|02|13, 01|02|023|03|23|02|23, 01|02|023|03|23|03|01, 01|02|023|03|23|  
 01|02|023|03|23|03|03, 01|02|023|03|23|03|13, 01|02|023|03|23|03|23, 01|02|023|03|23|12|01, 01|02|023|03|23|  
 01|02|023|03|23|12|03, 01|02|023|03|23|13|01, 01|02|023|03|23|13|02, 01|02|023|03|23|13|03, 01|02|023|03|23|  
 01|02|023|03|23|23|02, 01|02|023|03|23|23|03, 01|02|023|12|01|02|01, 01|02|023|12|01|02|02, 01|02|023|12|01|  
 01|02|023|12|01|02|13, 01|02|023|12|01|02|23, 01|02|023|12|01|12|01, 01|02|023|12|01|12|02, 01|02|023|12|01|  
 01|02|023|12|01|12|13, 01|02|023|12|01|12|23, 01|02|023|12|01|23|01, 01|02|023|12|01|23|02, 01|02|023|12|01|  
 01|02|023|12|01|23|13, 01|02|023|12|01|23|23, 01|02|023|12|02|01|01, 01|02|023|12|02|01|02, 01|02|023|12|02|  
 01|02|023|12|02|01|13, 01|02|023|12|02|01|23, 01|02|023|12|02|02|01, 01|02|023|12|02|02|02, 01|02|023|12|02|  
 01|02|023|12|02|02|13, 01|02|023|12|02|02|23, 01|02|023|12|02|03|01, 01|02|023|12|02|03|02, 01|02|023|12|02|  
 01|02|023|12|02|03|13, 01|02|023|12|02|03|23, 01|02|023|12|02|12|01, 01|02|023|12|02|12|02, 01|02|023|12|02|  
 01|02|023|12|02|12|13, 01|02|023|12|02|12|23, 01|02|023|12|02|23|01, 01|02|023|12|02|23|02, 01|02|023|12|02|  
 01|02|023|12|02|23|13, 01|02|023|12|02|23|23, 01|02|023|12|03|02|01, 01|02|023|12|03|02|02, 01|02|023|12|03|  
 01|02|023|12|03|02|13, 01|02|023|12|03|02|23, 01|02|023|12|03|12|01, 01|02|023|12|03|12|02, 01|02|023|12|03|  
 01|02|023|12|03|12|13, 01|02|023|12|03|12|23, 01|02|023|12|03|23|01, 01|02|023|12|03|23|02, 01|02|023|12|03|  
 01|02|023|12|03|23|13, 01|02|023|12|03|23|23, 01|02|023|12|12|01|01, 01|02|023|12|12|01|02, 01|02|023|12|12|  
 01|02|023|12|12|01|13, 01|02|023|12|12|01|23, 01|02|023|12|12|02|01, 01|02|023|12|12|02|02, 01|02|023|12|12|  
 01|02|023|12|12|02|13, 01|02|023|12|12|02|23, 01|02|023|12|12|03|01, 01|02|023|12|12|03|02, 01|02|023|12|12|  
 01|02|023|12|12|03|13, 01|02|023|12|12|03|23, 01|02|023|12|23|01|01, 01|02|023|12|23|01|02, 01|02|023|12|23|  
 01|02|023|12|23|01|13, 01|02|023|12|23|01|23, 01|02|023|12|23|02|01, 01|02|023|12|23|02|02, 01|02|023|12|23|  
 01|02|023|12|23|02|13, 01|02|023|12|23|02|23, 01|02|023|12|23|03|01, 01|02|023|12|23|03|02, 01|02|023|12|23|  
 01|02|023|12|23|03|13, 01|02|023|12|23|03|23, 01|02|023|13|01|02|03, 01|02|023|13|01|02|13, 01|02|023|13|01|  
 01|02|023|13|01|03|01, 01|02|023|13|01|03|12, 01|02|023|13|01|03|13, 01|02|023|13|01|12|03, 01|02|023|13|01|  
 01|02|023|13|01|12|23, 01|02|023|13|01|13|01, 01|02|023|13|01|13|12, 01|02|023|13|01|13|13, 01|02|023|13|01|  
 01|02|023|13|01|23|03, 01|02|023|13|01|23|12, 01|02|023|13|01|23|13, 01|02|023|13|01|23|23, 01|02|023|13|02|  
 01|02|023|13|02|01|13, 01|02|023|13|02|01|23, 01|02|023|13|02|02|03, 01|02|023|13|02|02|13, 01|02|023|13|02|  
 01|02|023|13|02|03|01, 01|02|023|13|02|03|03, 01|02|023|13|02|03|12, 01|02|023|13|02|03|13, 01|02|023|13|02|  
 01|02|023|13|02|12|03, 01|02|023|13|02|12|13, 01|02|023|13|02|12|23, 01|02|023|13|02|13|01, 01|02|023|13|02|  
 01|02|023|13|02|13|13, 01|02|023|13|02|23|01, 01|02|023|13|02|23|03, 01|02|023|13|02|23|12, 01|02|023|13|02|  
 01|02|023|13|02|23|23, 01|02|023|13|03|01|01, 01|02|023|13|03|01|12, 01|02|023|13|03|01|13, 01|02|023|13|03|  
 01|02|023|13|03|02|03, 01|02|023|13|03|02|12, 01|02|023|13|03|02|13, 01|02|023|13|03|02|23, 01|02|023|13|03|  
 01|02|023|13|03|03|12, 01|02|023|13|03|03|13, 01|02|023|13|03|12|01, 01|02|023|13|03|12|03, 01|02|023|13|03|  
 01|02|023|13|03|12|13, 01|02|023|13|03|12|23, 01|02|023|13|03|13|01, 01|02|023|13|03|13|12, 01|02|023|13|03|  
 01|02|023|13|03|23|01, 01|02|023|13|03|23|03, 01|02|023|13|03|23|12, 01|02|023|13|03|23|13, 01|02|023|13|03|  
 01|02|023|13|12|01|03, 01|02|023|13|12|01|13, 01|02|023|13|12|01|23, 01|02|023|13|12|02|03, 01|02|023|13|12|  
 01|02|023|13|12|02|23, 01|02|023|13|12|03|01, 01|02|023|13|12|03|03, 01|02|023|13|12|03|12, 01|02|023|13|12|  
 01|02|023|13|12|03|23, 01|02|023|13|12|13|01, 01|02|023|13|12|13|12, 01|02|023|13|12|13|13, 01|02|023|13|12|  
 01|02|023|13|12|23|12, 01|02|023|13|12|23|13, 01|02|023|13|13|01|01, 01|02|023|13|13|01|12, 01|02|023|13|13|  
 01|02|023|13|13|02|01, 01|02|023|13|13|02|12, 01|02|023|13|13|02|13, 01|02|023|13|13|03|01, 01|02|023|13|13|  
 01|02|023|13|13|03|13, 01|02|023|13|13|12|01, 01|02|023|13|13|12|12, 01|02|023|13|13|12|13, 01|02|023|13|13|  
 01|02|023|13|13|23|12, 01|02|023|13|13|23|13, 01|02|023|13|23|01|01, 01|02|023|13|23|01|03, 01|02|023|13|23|  
 01|02|023|13|23|01|13, 01|02|023|13|23|01|23, 01|02|023|13|23|02|01, 01|02|023|13|23|02|03, 01|02|023|13|23|

01|02|023|13|23|02|13, 01|02|023|13|23|02|23, 01|02|023|13|23|03|01, 01|02|023|13|23|03|03, 01|02|023|13|23|  
 01|02|023|13|23|03|13, 01|02|023|13|23|03|23, 01|02|023|13|23|12|01, 01|02|023|13|23|12|12, 01|02|023|13|23|  
 01|02|023|13|23|13|01, 01|02|023|13|23|13|12, 01|02|023|13|23|13|13, 01|02|023|13|23|23|01, 01|02|023|13|23|  
 01|02|023|13|23|23|13, 01|02|023|23|01|02|03, 01|02|023|23|01|02|13, 01|02|023|23|01|02|23, 01|02|023|23|01|  
 01|02|023|23|01|03|12, 01|02|023|23|01|03|23, 01|02|023|23|01|12|03, 01|02|023|23|01|12|13, 01|02|023|23|01|  
 01|02|023|23|01|13|02, 01|02|023|23|01|13|12, 01|02|023|23|01|13|23, 01|02|023|23|01|23|02, 01|02|023|23|01|  
 01|02|023|23|01|23|12, 01|02|023|23|01|23|13, 01|02|023|23|01|23|23, 01|02|023|23|02|01|03, 01|02|023|23|02|  
 01|02|023|23|02|01|23, 01|02|023|23|02|02|03, 01|02|023|23|02|02|13, 01|02|023|23|02|02|23, 01|02|023|23|02|  
 01|02|023|23|02|03|03, 01|02|023|23|02|03|12, 01|02|023|23|02|03|13, 01|02|023|23|02|03|23, 01|02|023|23|02|  
 01|02|023|23|02|12|13, 01|02|023|23|02|12|23, 01|02|023|23|02|13|02, 01|02|023|23|02|13|12, 01|02|023|23|02|  
 01|02|023|23|02|23|02, 01|02|023|23|02|23|03, 01|02|023|23|02|23|12, 01|02|023|23|02|23|13, 01|02|023|23|02|  
 01|02|023|23|03|01|02, 01|02|023|23|03|01|12, 01|02|023|23|03|01|23, 01|02|023|23|03|02|02, 01|02|023|23|03|  
 01|02|023|23|03|02|12, 01|02|023|23|03|02|13, 01|02|023|23|03|02|23, 01|02|023|23|03|03|02, 01|02|023|23|03|  
 01|02|023|23|03|03|23, 01|02|023|23|03|12|02, 01|02|023|23|03|12|03, 01|02|023|23|03|12|12, 01|02|023|23|03|  
 01|02|023|23|03|12|23, 01|02|023|23|03|13|02, 01|02|023|23|03|13|12, 01|02|023|23|03|13|23, 01|02|023|23|03|  
 01|02|023|23|03|23|03, 01|02|023|23|03|23|12, 01|02|023|23|03|23|13, 01|02|023|23|03|23|23, 01|02|023|23|12|  
 01|02|023|23|12|01|13, 01|02|023|23|12|01|23, 01|02|023|23|12|02|03, 01|02|023|23|12|02|13, 01|02|023|23|12|  
 01|02|023|23|12|03|02, 01|02|023|23|12|03|03, 01|02|023|23|12|03|12, 01|02|023|23|12|03|13, 01|02|023|23|12|  
 01|02|023|23|12|13|02, 01|02|023|23|12|13|12, 01|02|023|23|12|13|23, 01|02|023|23|12|23|02, 01|02|023|23|12|  
 01|02|023|23|12|23|23, 01|02|023|23|13|01|02, 01|02|023|23|13|01|12, 01|02|023|23|13|01|23, 01|02|023|23|13|  
 01|02|023|23|13|02|12, 01|02|023|23|13|02|23, 01|02|023|23|13|03|02, 01|02|023|23|13|03|12, 01|02|023|23|13|  
 01|02|023|23|13|12|02, 01|02|023|23|13|12|12, 01|02|023|23|13|12|23, 01|02|023|23|13|23|02, 01|02|023|23|13|  
 01|02|023|23|13|23|23, 01|02|023|23|23|01|02, 01|02|023|23|23|01|03, 01|02|023|23|23|01|12, 01|02|023|23|23|  
 01|02|023|23|23|01|23, 01|02|023|23|23|02|02, 01|02|023|23|23|02|03, 01|02|023|23|23|02|12, 01|02|023|23|23|  
 01|02|023|23|23|02|23, 01|02|023|23|23|03|02, 01|02|023|23|23|03|03, 01|02|023|23|23|03|12, 01|02|023|23|23|  
 01|02|023|23|23|03|23, 01|02|023|23|23|12|02, 01|02|023|23|23|12|12, 01|02|023|23|23|12|23, 01|02|023|23|23|  
 01|02|023|23|23|13|12, 01|02|023|23|23|13|23, 01|02|023|23|23|23|02, 01|02|023|23|23|23|12, 01|02|023|23|23|  
 01|02|123|01|01|02|01, 01|02|123|01|01|02|02, 01|02|123|01|01|02|03, 01|02|123|01|01|02|12, 01|02|123|01|01|  
 01|02|123|01|01|12|01, 01|02|123|01|01|12|02, 01|02|123|01|01|12|03, 01|02|123|01|01|12|12, 01|02|123|01|01|  
 01|02|123|01|01|23|01, 01|02|123|01|01|23|02, 01|02|123|01|01|23|03, 01|02|123|01|01|23|12, 01|02|123|01|01|  
 01|02|123|01|02|01|01, 01|02|123|01|02|01|02, 01|02|123|01|02|01|03, 01|02|123|01|02|01|12, 01|02|123|01|02|  
 01|02|123|01|02|12|01, 01|02|123|01|02|12|02, 01|02|123|01|02|12|03, 01|02|123|01|02|12|12, 01|02|123|01|02|  
 01|02|123|01|02|13|01, 01|02|123|01|02|13|02, 01|02|123|01|02|13|03, 01|02|123|01|02|13|12, 01|02|123|01|02|  
 01|02|123|01|12|01|01, 01|02|123|01|12|01|02, 01|02|123|01|12|01|03, 01|02|123|01|12|01|12, 01|02|123|01|12|  
 01|02|123|01|12|02|01, 01|02|123|01|12|02|02, 01|02|123|01|12|02|03, 01|02|123|01|12|02|12, 01|02|123|01|12|  
 01|02|123|01|12|12|01, 01|02|123|01|12|12|02, 01|02|123|01|12|12|03, 01|02|123|01|12|12|12, 01|02|123|01|12|  
 01|02|123|01|12|13|01, 01|02|123|01|12|13|02, 01|02|123|01|12|13|03, 01|02|123|01|12|13|12, 01|02|123|01|12|  
 01|02|123|01|12|23|01, 01|02|123|01|12|23|02, 01|02|123|01|12|23|03, 01|02|123|01|12|23|12, 01|02|123|01|12|  
 01|02|123|01|13|02|01, 01|02|123|01|13|02|02, 01|02|123|01|13|02|03, 01|02|123|01|13|02|12, 01|02|123|01|13|  
 01|02|123|01|13|12|01, 01|02|123|01|13|12|02, 01|02|123|01|13|12|03, 01|02|123|01|13|12|12, 01|02|123|01|13|  
 01|02|123|01|13|23|01, 01|02|123|01|13|23|02, 01|02|123|01|13|23|03, 01|02|123|01|13|23|12, 01|02|123|01|13|  
 01|02|123|01|23|01|01, 01|02|123|01|23|01|02, 01|02|123|01|23|01|03, 01|02|123|01|23|01|12, 01|02|123|01|23|

01	02	123	01	23	12	01, 01	02	123	01	23	12	02, 01	02	123	01	23	12	03, 01	02	123	01	23	12	12, 01	02	123	01	23
01	02	123	01	23	13	01, 01	02	123	01	23	13	02, 01	02	123	01	23	13	03, 01	02	123	01	23	13	12, 01	02	123	01	23
01	02	123	02	01	02	01, 01	02	123	02	01	02	02, 01	02	123	02	01	02	03, 01	02	123	02	01	02	12, 01	02	123	02	01
01	02	123	02	01	12	01, 01	02	123	02	01	12	02, 01	02	123	02	01	12	03, 01	02	123	02	01	12	12, 01	02	123	02	01
01	02	123	02	01	23	01, 01	02	123	02	01	23	02, 01	02	123	02	01	23	03, 01	02	123	02	01	23	12, 01	02	123	02	01
01	02	123	02	02	01	01, 01	02	123	02	02	01	02, 01	02	123	02	02	01	03, 01	02	123	02	02	01	12, 01	02	123	02	02
01	02	123	02	02	12	01, 01	02	123	02	02	12	02, 01	02	123	02	02	12	03, 01	02	123	02	02	12	12, 01	02	123	02	02
01	02	123	02	02	13	01, 01	02	123	02	02	13	02, 01	02	123	02	02	13	03, 01	02	123	02	02	13	12, 01	02	123	02	02
01	02	123	02	12	01	01, 01	02	123	02	12	01	02, 01	02	123	02	12	01	03, 01	02	123	02	12	01	12, 01	02	123	02	12
01	02	123	02	12	02	01, 01	02	123	02	12	02	02, 01	02	123	02	12	02	03, 01	02	123	02	12	02	12, 01	02	123	02	12
01	02	123	02	12	12	01, 01	02	123	02	12	12	02, 01	02	123	02	12	12	03, 01	02	123	02	12	12	12, 01	02	123	02	12
01	02	123	02	12	13	01, 01	02	123	02	12	13	02, 01	02	123	02	12	13	03, 01	02	123	02	12	13	12, 01	02	123	02	12
01	02	123	02	12	23	01, 01	02	123	02	12	23	02, 01	02	123	02	12	23	03, 01	02	123	02	12	23	12, 01	02	123	02	12
01	02	123	02	13	02	01, 01	02	123	02	13	02	02, 01	02	123	02	13	02	03, 01	02	123	02	13	02	12, 01	02	123	02	13
01	02	123	02	13	12	01, 01	02	123	02	13	12	02, 01	02	123	02	13	12	03, 01	02	123	02	13	12	12, 01	02	123	02	13
01	02	123	02	13	23	01, 01	02	123	02	13	23	02, 01	02	123	02	13	23	03, 01	02	123	02	13	23	12, 01	02	123	02	13
01	02	123	02	23	01	01, 01	02	123	02	23	01	02, 01	02	123	02	23	01	03, 01	02	123	02	23	01	12, 01	02	123	02	23
01	02	123	02	23	12	01, 01	02	123	02	23	12	02, 01	02	123	02	23	12	03, 01	02	123	02	23	12	12, 01	02	123	02	

01|02|123|03|23|13|23, 01|02|123|03|23|23|01, 01|02|123|03|23|23|02, 01|02|123|03|23|23|03, 01|02|123|12|01|  
 01|02|123|12|01|02|02, 01|02|123|12|01|02|12, 01|02|123|12|01|02|13, 01|02|123|12|01|02|23, 01|02|123|12|01|  
 01|02|123|12|01|12|02, 01|02|123|12|01|12|12, 01|02|123|12|01|12|13, 01|02|123|12|01|12|23, 01|02|123|12|01|  
 01|02|123|12|01|23|02, 01|02|123|12|01|23|12, 01|02|123|12|01|23|13, 01|02|123|12|01|23|23, 01|02|123|12|02|  
 01|02|123|12|02|01|02, 01|02|123|12|02|01|12, 01|02|123|12|02|01|13, 01|02|123|12|02|01|23, 01|02|123|12|02|  
 01|02|123|12|02|12|02, 01|02|123|12|02|12|12, 01|02|123|12|02|12|13, 01|02|123|12|02|12|23, 01|02|123|12|02|  
 01|02|123|12|02|13|02, 01|02|123|12|02|13|12, 01|02|123|12|02|13|13, 01|02|123|12|02|13|23, 01|02|123|12|12|  
 01|02|123|12|12|01|02, 01|02|123|12|12|01|12, 01|02|123|12|12|01|13, 01|02|123|12|12|01|23, 01|02|123|12|12|  
 01|02|123|12|12|02|02, 01|02|123|12|12|02|12, 01|02|123|12|12|02|13, 01|02|123|12|12|02|23, 01|02|123|12|12|  
 01|02|123|12|12|12|02, 01|02|123|12|12|12|12, 01|02|123|12|12|12|13, 01|02|123|12|12|12|23, 01|02|123|12|12|  
 01|02|123|12|12|13|02, 01|02|123|12|12|13|12, 01|02|123|12|12|13|13, 01|02|123|12|12|13|23, 01|02|123|12|12|  
 01|02|123|12|12|23|02, 01|02|123|12|12|23|12, 01|02|123|12|12|23|13, 01|02|123|12|12|23|23, 01|02|123|12|13|  
 01|02|123|12|13|02|02, 01|02|123|12|13|02|12, 01|02|123|12|13|02|13, 01|02|123|12|13|02|23, 01|02|123|12|13|  
 01|02|123|12|13|12|02, 01|02|123|12|13|12|12, 01|02|123|12|13|12|13, 01|02|123|12|13|12|23, 01|02|123|12|13|  
 01|02|123|12|13|23|02, 01|02|123|12|13|23|12, 01|02|123|12|13|23|13, 01|02|123|12|13|23|23, 01|02|123|12|23|  
 01|02|123|12|23|01|02, 01|02|123|12|23|01|12, 01|02|123|12|23|01|13, 01|02|123|12|23|01|23, 01|02|123|12|23|  
 01|02|123|12|23|12|02, 01|02|123|12|23|12|12, 01|02|123|12|23|12|13, 01|02|123|12|23|12|23, 01|02|123|12|23|  
 01|02|123|12|23|13|02, 01|02|123|12|23|13|12, 01|02|123|12|23|13|13, 01|02|123|12|23|13|23, 01|02|123|13|01|  
 01|02|123|13|01|02|13, 01|02|123|13|01|02|23, 01|02|123|13|01|03|01, 01|02|123|13|01|03|12, 01|02|123|13|01|  
 01|02|123|13|01|12|03, 01|02|123|13|01|12|13, 01|02|123|13|01|12|23, 01|02|123|13|01|13|01, 01|02|123|13|01|  
 01|02|123|13|01|13|13, 01|02|123|13|01|23|01, 01|02|123|13|01|23|03, 01|02|123|13|01|23|12, 01|02|123|13|01|  
 01|02|123|13|01|23|23, 01|02|123|13|02|01|03, 01|02|123|13|02|01|13, 01|02|123|13|02|01|23, 01|02|123|13|02|  
 01|02|123|13|02|03|12, 01|02|123|13|02|03|13, 01|02|123|13|02|12|03, 01|02|123|13|02|12|13, 01|02|123|13|02|  
 01|02|123|13|02|13|01, 01|02|123|13|02|13|03, 01|02|123|13|02|13|12, 01|02|123|13|02|13|13, 01|02|123|13|02|  
 01|02|123|13|02|23|01, 01|02|123|13|02|23|12, 01|02|123|13|02|23|13, 01|02|123|13|03|01|01, 01|02|123|13|03|  
 01|02|123|13|03|01|13, 01|02|123|13|03|02|01, 01|02|123|13|03|02|12, 01|02|123|13|03|02|13, 01|02|123|13|03|  
 01|02|123|13|03|12|12, 01|02|123|13|03|12|13, 01|02|123|13|03|13|01, 01|02|123|13|03|13|12, 01|02|123|13|03|  
 01|02|123|13|03|23|01, 01|02|123|13|03|23|12, 01|02|123|13|03|23|13, 01|02|123|13|12|01|03, 01|02|123|13|12|  
 01|02|123|13|12|01|23, 01|02|123|13|12|02|03, 01|02|123|13|12|02|13, 01|02|123|13|12|02|23, 01|02|123|13|12|  
 01|02|123|13|12|03|12, 01|02|123|13|12|03|13, 01|02|123|13|12|12|03, 01|02|123|13|12|12|13, 01|02|123|13|12|  
 01|02|123|13|12|13|01, 01|02|123|13|12|13|03, 01|02|123|13|12|13|12, 01|02|123|13|12|13|13, 01|02|123|13|12|  
 01|02|123|13|12|23|01, 01|02|123|13|12|23|03, 01|02|123|13|12|23|12, 01|02|123|13|12|23|13, 01|02|123|13|12|  
 01|02|123|13|13|01|01, 01|02|123|13|13|01|12, 01|02|123|13|13|01|13, 01|02|123|13|13|02|01, 01|02|123|13|13|  
 01|02|123|13|13|02|12, 01|02|123|13|13|02|13, 01|02|123|13|13|02|23, 01|02|123|13|13|03|01, 01|02|123|13|13|  
 01|02|123|13|13|03|13, 01|02|123|13|13|12|01, 01|02|123|13|13|12|03, 01|02|123|13|13|12|12, 01|02|123|13|13|  
 01|02|123|13|13|12|23, 01|02|123|13|13|13|01, 01|02|123|13|13|13|12, 01|02|123|13|13|13|13, 01|02|123|13|13|  
 01|02|123|13|13|23|03, 01|02|123|13|13|23|12, 01|02|123|13|13|23|13, 01|02|123|13|13|23|23, 01|02|123|13|23|  
 01|02|123|13|23|01|03, 01|02|123|13|23|01|12, 01|02|123|13|23|01|13, 01|02|123|13|23|01|23, 01|02|123|13|23|  
 01|02|123|13|23|02|12, 01|02|123|13|23|02|13, 01|02|123|13|23|03|01, 01|02|123|13|23|03|12, 01|02|123|13|23|  
 01|02|123|13|23|12|01, 01|02|123|13|23|12|03, 01|02|123|13|23|12|12, 01|02|123|13|23|12|13, 01|02|123|13|23|  
 01|02|123|13|23|13|01, 01|02|123|13|23|13|03, 01|02|123|13|23|13|12, 01|02|123|13|23|13|13, 01|02|123|13|23|  
 01|02|123|13|23|23|01, 01|02|123|13|23|23|12, 01|02|123|13|23|23|13, 01|02|123|23|01|02|03, 01|02|123|23|01|

01|02|123|23|01|02|23, 01|02|123|23|01|03|02, 01|02|123|23|01|03|12, 01|02|123|23|01|03|23, 01|02|123|23|01|  
01|02|123|23|01|12|13, 01|02|123|23|01|12|23, 01|02|123|23|01|13|02, 01|02|123|23|01|13|12, 01|02|123|23|01|  
01|02|123|23|01|23|02, 01|02|123|23|01|23|03, 01|02|123|23|01|23|12, 01|02|123|23|01|23|13, 01|02|123|23|01|  
01|02|123|23|02|01|03, 01|02|123|23|02|01|13, 01|02|123|23|02|01|23, 01|02|123|23|02|03|02, 01|02|123|23|02|  
01|02|123|23|02|03|23, 01|02|123|23|02|12|03, 01|02|123|23|02|12|13, 01|02|123|23|02|12|23, 01|02|123|23|02|  
01|02|123|23|02|13|03, 01|02|123|23|02|13|12, 01|02|123|23|02|13|13, 01|02|123|23|02|13|23, 01|02|123|23|02|  
01|02|123|23|02|23|12, 01|02|123|23|02|23|23, 01|02|123|23|03|01|02, 01|02|123|23|03|01|12, 01|02|123|23|03|  
01|02|123|23|03|02|02, 01|02|123|23|03|02|12, 01|02|123|23|03|02|23, 01|02|123|23|03|12|02, 01|02|123|23|03|  
01|02|123|23|03|12|23, 01|02|123|23|03|13|02, 01|02|123|23|03|13|12, 01|02|123|23|03|13|23, 01|02|123|23|03|  
01|02|123|23|03|23|12, 01|02|123|23|03|23|23, 01|02|123|23|12|01|03, 01|02|123|23|12|01|13, 01|02|123|23|12|  
01|02|123|23|12|02|03, 01|02|123|23|12|02|13, 01|02|123|23|12|02|23, 01|02|123|23|12|03|02, 01|02|123|23|12|  
01|02|123|23|12|03|23, 01|02|123|23|12|12|03, 01|02|123|23|12|12|13, 01|02|123|23|12|12|23, 01|02|123|23|12|  
01|02|123|23|12|13|03, 01|02|123|23|12|13|12, 01|02|123|23|12|13|13, 01|02|123|23|12|13|23, 01|02|123|23|12|  
01|02|123|23|12|23|03, 01|02|123|23|12|23|12, 01|02|123|23|12|23|13, 01|02|123|23|12|23|23, 01|02|123|23|13|  
01|02|123|23|13|01|12, 01|02|123|23|13|01|23, 01|02|123|23|13|02|02, 01|02|123|23|13|02|03, 01|02|123|23|13|  
01|02|123|23|13|02|13, 01|02|123|23|13|02|23, 01|02|123|23|13|03|02, 01|02|123|23|13|03|12, 01|02|123|23|13|  
01|02|123|23|13|12|02, 01|02|123|23|13|12|03, 01|02|123|23|13|12|12, 01|02|123|23|13|12|13, 01|02|123|23|13|  
01|02|123|23|13|13|02, 01|02|123|23|13|13|12, 01|02|123|23|13|13|23, 01|02|123|23|13|23|02, 01|02|123|23|13|  
01|02|123|23|13|23|12, 01|02|123|23|13|23|13, 01|02|123|23|13|23|23, 01|02|123|23|23|01|02, 01|02|123|23|23|  
01|02|123|23|23|01|12, 01|02|123|23|23|01|13, 01|02|123|23|23|01|23, 01|02|123|23|23|02|02, 01|02|123|23|23|  
01|02|123|23|23|02|23, 01|02|123|23|23|03|02, 01|02|123|23|23|03|12, 01|02|123|23|23|03|23, 01|02|123|23|23|  
01|02|123|23|23|12|03, 01|02|123|23|23|12|12, 01|02|123|23|23|12|13, 01|02|123|23|23|12|23, 01|02|123|23|23|  
01|02|123|23|23|13|03, 01|02|123|23|23|13|12, 01|02|123|23|23|13|13, 01|02|123|23|23|13|23, 01|02|123|23|23|  
01|02|123|23|23|23|12, 01|02|123|23|23|23|23, 01|23|012|01|01|01|01, 01|23|012|01|01|01|02, 01|23|012|01|01|  
01|23|012|01|01|02|01, 01|23|012|01|01|02|02, 01|23|012|01|01|02|03, 01|23|012|01|01|02|12, 01|23|012|01|01|  
01|23|012|01|01|03|01, 01|23|012|01|01|03|02, 01|23|012|01|01|03|03, 01|23|012|01|01|03|12, 01|23|012|01|01|  
01|23|012|01|02|01|01, 01|23|012|01|02|01|02, 01|23|012|01|02|01|03, 01|23|012|01|02|01|12, 01|23|012|01|02|  
01|23|012|01|02|12|01, 01|23|012|01|02|12|02, 01|23|012|01|02|12|03, 01|23|012|01|02|12|12, 01|23|012|01|02|  
01|23|012|01|02|13|01, 01|23|012|01|02|13|02, 01|23|012|01|02|13|03, 01|23|012|01|02|13|12, 01|23|012|01|02|  
01|23|012|01|03|01|01, 01|23|012|01|03|01|02, 01|23|012|01|03|01|03, 01|23|012|01|03|01|12, 01|23|012|01|03|  
01|23|012|01|03|12|01, 01|23|012|01|03|12|02, 01|23|012|01|03|12|03, 01|23|012|01|03|12|12, 01|23|012|01|03|  
01|23|012|01|03|13|01, 01|23|012|01|03|13|02, 01|23|012|01|03|13|03, 01|23|012|01|03|13|12, 01|23|012|01|03|  
01|23|012|02|01|01|02, 01|23|012|02|01|01|12, 01|23|012|02|01|01|23, 01|23|012|02|01|02|01, 01|23|012|02|01|  
01|23|012|02|01|02|03, 01|23|012|02|01|02|12, 01|23|012|02|01|02|23, 01|23|012|02|01|03|02, 01|23|012|02|01|  
01|23|012|02|01|03|23, 01|23|012|02|01|12|01, 01|23|012|02|01|12|02, 01|23|012|02|01|12|03, 01|23|012|02|01|  
01|23|012|02|01|12|23, 01|23|012|02|01|13|02, 01|23|012|02|01|13|12, 01|23|012|02|01|13|23, 01|23|012|02|01|  
01|23|012|02|01|23|02, 01|23|012|02|01|23|03, 01|23|012|02|02|01|01, 01|23|012|02|02|01|02, 01|23|012|02|02|  
01|23|012|02|02|01|12, 01|23|012|02|02|01|23, 01|23|012|02|02|02|01, 01|23|012|02|02|02|02, 01|23|012|02|02|  
01|23|012|02|02|03|01, 01|23|012|02|02|03|02, 01|23|012|02|02|03|03, 01|23|012|02|02|12|01, 01|23|012|02|02|  
01|23|012|02|02|12|03, 01|23|012|02|02|12|12, 01|23|012|02|02|12|23, 01|23|012|02|02|13|01, 01|23|012|02|02|  
01|23|012|02|02|13|03, 01|23|012|02|02|13|12, 01|23|012|02|02|13|23, 01|23|012|02|02|23|01, 01|23|012|02|02|  
01|23|012|02|02|23|03, 01|23|012|02|03|01|02, 01|23|012|02|03|01|12, 01|23|012|02|03|01|23, 01|23|012|02|03|

01|23|012|02|03|02|02, 01|23|012|02|03|02|03, 01|23|012|02|03|12|01, 01|23|012|02|03|12|02, 01|23|012|02|03|12|03  
 01|23|012|02|03|12|12, 01|23|012|02|03|12|23, 01|23|012|02|03|13|02, 01|23|012|02|03|13|12, 01|23|012|02|03|13|23  
 01|23|012|02|03|23|01, 01|23|012|02|03|23|02, 01|23|012|02|03|23|03, 01|23|012|02|12|01|01, 01|23|012|02|12|01|02  
 01|23|012|02|12|01|03, 01|23|012|02|12|01|12, 01|23|012|02|12|01|23, 01|23|012|02|12|02|01, 01|23|012|02|12|02|02  
 01|23|012|02|12|02|03, 01|23|012|02|12|02|12, 01|23|012|02|12|02|23, 01|23|012|02|12|03|01, 01|23|012|02|12|03|02  
 01|23|012|02|12|03|03, 01|23|012|02|12|03|12, 01|23|012|02|12|03|23, 01|23|012|02|12|12|01, 01|23|012|02|12|12|02  
 01|23|012|02|12|12|03, 01|23|012|02|12|13|01, 01|23|012|02|12|13|02, 01|23|012|02|12|13|03, 01|23|012|02|12|13|04  
 01|23|012|02|12|23|02, 01|23|012|02|12|23|03, 01|23|012|02|13|01|02, 01|23|012|02|13|01|12, 01|23|012|02|13|01|23  
 01|23|012|02|13|02|01, 01|23|012|02|13|02|02, 01|23|012|02|13|02|03, 01|23|012|02|13|02|12, 01|23|012|02|13|02|23  
 01|23|012|02|13|03|02, 01|23|012|02|13|03|12, 01|23|012|02|13|03|23, 01|23|012|02|13|12|01, 01|23|012|02|13|12|02  
 01|23|012|02|13|12|03, 01|23|012|02|13|23|01, 01|23|012|02|13|23|02, 01|23|012|02|13|23|03, 01|23|012|02|23|01|01  
 01|23|012|02|23|01|02, 01|23|012|02|23|01|03, 01|23|012|02|23|02|01, 01|23|012|02|23|02|02, 01|23|012|02|23|02|03  
 01|23|012|02|23|03|01, 01|23|012|02|23|03|02, 01|23|012|02|23|03|03, 01|23|012|02|23|12|01, 01|23|012|02|23|12|02  
 01|23|012|02|23|12|03, 01|23|012|02|23|13|01, 01|23|012|02|23|13|02, 01|23|012|02|23|13|03, 01|23|012|03|01|01  
 01|23|012|03|01|01|13, 01|23|012|03|01|01|23, 01|23|012|03|01|02|01, 01|23|012|03|01|02|02, 01|23|012|03|01|02|03  
 01|23|012|03|01|02|13, 01|23|012|03|01|02|23, 01|23|012|03|01|03|03, 01|23|012|03|01|03|13, 01|23|012|03|01|03|23  
 01|23|012|03|01|12|01, 01|23|012|03|01|12|02, 01|23|012|03|01|12|03, 01|23|012|03|01|12|13, 01|23|012|03|01|12|23  
 01|23|012|03|01|13|03, 01|23|012|03|01|13|13, 01|23|012|03|01|13|23, 01|23|012|03|01|23|01, 01|23|012|03|01|23|02  
 01|23|012|03|01|23|03, 01|23|012|03|02|01|01, 01|23|012|03|02|01|02, 01|23|012|03|02|01|03, 01|23|012|03|02|01|04  
 01|23|012|03|02|01|23, 01|23|012|03|02|02|01, 01|23|012|03|02|02|02, 01|23|012|03|02|02|03, 01|23|012|03|02|02|04  
 01|23|012|03|02|03|02, 01|23|012|03|02|03|03, 01|23|012|03|02|12|01, 01|23|012|03|02|12|02, 01|23|012|03|02|12|03  
 01|23|012|03|02|12|13, 01|23|012|03|02|12|23, 01|23|012|03|02|13|01, 01|23|012|03|02|13|02, 01|23|012|03|02|13|03  
 01|23|012|03|02|13|13, 01|23|012|03|02|13|23, 01|23|012|03|02|23|01, 01|23|012|03|02|23|02, 01|23|012|03|02|23|03  
 01|23|012|03|03|01|03, 01|23|012|03|03|01|13, 01|23|012|03|03|01|23, 01|23|012|03|03|02|01, 01|23|012|03|03|02|02  
 01|23|012|03|03|02|03, 01|23|012|03|03|12|01, 01|23|012|03|03|12|02, 01|23|012|03|03|12|03, 01|23|012|03|03|12|04  
 01|23|012|03|03|12|23, 01|23|012|03|03|13|03, 01|23|012|03|03|13|13, 01|23|012|03|03|13|23, 01|23|012|03|03|13|33  
 01|23|012|03|03|23|02, 01|23|012|03|03|23|03, 01|23|012|03|12|01|01, 01|23|012|03|12|01|02, 01|23|012|03|12|01|03  
 01|23|012|03|12|01|13, 01|23|012|03|12|01|23, 01|23|012|03|12|02|01, 01|23|012|03|12|02|02, 01|23|012|03|12|02|03  
 01|23|012|03|12|02|13, 01|23|012|03|12|02|23, 01|23|012|03|12|03|01, 01|23|012|03|12|03|02, 01|23|012|03|12|03|03  
 01|23|012|03|12|03|13, 01|23|012|03|12|03|23, 01|23|012|03|12|12|01, 01|23|012|03|12|12|02, 01|23|012|03|12|12|03  
 01|23|012|03|12|13|01, 01|23|012|03|12|13|02, 01|23|012|03|12|13|03, 01|23|012|03|12|23|01, 01|23|012|03|12|23|02  
 01|23|012|03|12|23|03, 01|23|012|03|13|01|03, 01|23|012|03|13|01|13, 01|23|012|03|13|01|23, 01|23|012|03|13|01|33  
 01|23|012|03|13|02|02, 01|23|012|03|13|02|03, 01|23|012|03|13|02|13, 01|23|012|03|13|02|23, 01|23|012|03|13|02|33  
 01|23|012|03|13|03|13, 01|23|012|03|13|03|23, 01|23|012|03|13|12|01, 01|23|012|03|13|12|02, 01|23|012|03|13|12|03  
 01|23|012|03|13|23|01, 01|23|012|03|13|23|02, 01|23|012|03|13|23|03, 01|23|012|03|23|01|01, 01|23|012|03|23|01|02  
 01|23|012|03|23|01|03, 01|23|012|03|23|02|01, 01|23|012|03|23|02|02, 01|23|012|03|23|02|03, 01|23|012|03|23|02|04  
 01|23|012|03|23|03|02, 01|23|012|03|23|03|03, 01|23|012|03|23|12|01, 01|23|012|03|23|12|02, 01|23|012|03|23|12|03  
 01|23|012|03|23|13|01, 01|23|012|03|23|13|02, 01|23|012|03|23|13|03, 01|23|012|23|01|02|02, 01|23|012|23|01|02|03  
 01|23|012|23|01|02|12, 01|23|012|23|01|02|13, 01|23|012|23|01|02|23, 01|23|012|23|01|23|02, 01|23|012|23|01|23|03  
 01|23|012|23|01|23|23, 01|23|012|23|02|01|02, 01|23|012|23|02|01|03, 01|23|012|23|02|01|12, 01|23|012|23|02|01|13  
 01|23|012|23|02|01|23, 01|23|012|23|02|02|02, 01|23|012|23|02|02|03, 01|23|012|23|02|02|12, 01|23|012|23|02|02|13  
 01|23|012|23|02|02|23, 01|23|012|23|02|03|02, 01|23|012|23|02|03|03, 01|23|012|23|02|03|12, 01|23|012|23|02|03|13



01	23	012	23	02	03	23	01	23	012	23	02	12	02	01	23	012	23	02	12	03	01	23	012	23	02	12	12	01	23	012	23	02
01	23	012	23	02	12	23	01	23	012	23	02	13	02	01	23	012	23	02	13	03	01	23	012	23	02	13	12	01	23	012	23	02
01	23	012	23	02	13	23	01	23	012	23	02	23	02	01	23	012	23	02	23	03	01	23	012	23	02	23	12	01	23	012	23	02
01	23	012	23	02	23	23	01	23	012	23	03	02	02	01	23	012	23	03	02	03	01	23	012	23	03	02	12	01	23	012	23	03
01	23	012	23	03	02	23	01	23	012	23	03	12	02	01	23	012	23	03	12	03	01	23	012	23	03	12	12	01	23	012	23	03
01	23	012	23	03	12	23	01	23	012	23	03	23	02	01	23	012	23	03	23	03	01	23	012	23	03	23	12	01	23	012	23	03
01	23	012	23	03	23	23	01	23	012	23	23	01	02	01	23	012	23	23	01	03	01	23	012	23	23	01	23	01	23	012	23	23
01	23	012	23	23	02	03	01	23	012	23	23	02	12	01	23	012	23	23	02	13	01	23	012	23	23	02	23	01	23	012	23	23
01	23	012	23	23	03	03	01	23	012	23	23	03	12	01	23	012	23	23	03	13	01	23	012	23	23	03	23	01	23	023	01	01
01	23	023	01	01	02	02	01	23	023	01	01	02	03	01	23	023	01	01	02	12	01	23	023	01	01	02	13	01	23	023	01	01
01	23	023	01	01	12	02	01	23	023	01	01	12	03	01	23	023	01	01	12	12	01	23	023	01	01	12	13	01	23	023	01	01
01	23	023	01	01	23	02	01	23	023	01	01	23	12	01	23	023	01	02	01	01	01	23	023	01	02	01	02	01	23	023	01	02
01	23	023	01	02	01	12	01	23	023	01	02	01	13	01	23	023	01	02	02	01	01	23	023	01	02	02	02	01	23	023	01	02
01	23	023	01	02	02	12	01	23	023	01	02	02	13	01	23	023	01	02	03	01	01	23	023	01	02	03	02	01	23	023	01	02
01	23	023	01	02	03	12	01	23	023	01	02	03	13	01	23	023	01	02	12	01	01	23	023	01	02	12	02	01	23	023	01	02
01	23	023	01	02	12	12	01	23	023	01	02	12	13	01	23	023	01	02	13	01	01	23	023	01	02	13	02	01	23	023	01	02
01	23	023	01	02	13	12	01	23	023	01	02	13	13	01	23	023	01	02	23	01	01	23	023	01	02	23	02	01	23	023	01	02
01	23</																															



01|01|012|01|02|12|01, 01|01|012|01|02|01|12, 01|01|012|01|01|02|12, 01|01|012|01|02|12|12, 01|01|012|01|02|  
01|01|012|01|02|13|03, 01|01|012|01|03|12|13, 01|01|012|01|03|13|12, 01|01|012|01|03|13|02, 01|01|012|01|02|  
01|01|012|01|03|12|03, 01|01|012|01|03|01|01, 01|01|012|01|01|03|01, 01|01|012|01|03|01|02, 01|01|012|01|01|  
01|01|012|01|03|12|01, 01|01|012|01|03|01|12, 01|01|012|01|02|13|01, 01|01|012|01|01|03|12, 01|01|012|01|03|  
01|01|012|01|02|13|12, 01|01|012|01|02|12|13, 01|01|012|01|02|12|03, 01|01|012|01|03|12|12, 01|01|012|01|02|  
01|01|012|01|03|13|01, 01|01|012|01|03|01|13, 01|01|012|01|01|03|13, 01|01|012|01|03|13|13, 01|01|012|01|03|  
01|01|012|02|01|01|02, 01|01|012|02|01|01|12, 01|01|012|02|01|01|23, 01|01|012|02|01|02|02, 01|01|012|02|02|  
01|01|012|02|02|02|01, 01|01|012|02|01|02|12, 01|01|012|02|02|01|12, 01|01|012|02|01|02|23, 01|01|012|02|02|  
01|01|012|02|01|03|23, 01|01|012|02|03|01|23, 01|01|012|02|01|12|12, 01|01|012|02|12|01|12, 01|01|012|02|01|  
01|01|012|02|12|01|23, 01|01|012|02|01|13|23, 01|01|012|02|13|01|23, 01|01|012|02|02|12|12, 01|01|012|02|12|  
01|02|012|01|02|12|12, 01|02|012|01|12|02|12, 01|02|012|02|01|12|12, 01|02|012|02|12|01|12, 01|01|012|02|03|  
01|01|012|02|01|03|02, 01|01|012|02|03|01|12, 01|01|012|02|01|03|12, 01|01|012|02|12|02|23, 01|01|012|02|02|  
01|01|012|02|12|03|23, 01|01|012|02|03|12|23, 01|01|012|02|13|01|02, 01|01|012|02|01|13|02, 01|01|012|02|13|  
01|01|012|02|01|13|12, 01|01|012|02|13|02|01, 01|01|012|02|02|13|01, 01|01|012|02|13|02|02, 01|01|012|02|02|  
01|01|012|02|13|02|03, 01|01|012|02|02|13|03, 01|01|012|02|13|02|12, 01|01|012|02|02|13|12, 01|01|012|02|13|  
01|01|012|02|02|13|23, 01|01|012|02|13|03|02, 01|01|012|02|03|13|02, 01|01|012|02|13|03|23, 01|01|012|02|03|  
01|01|012|03|01|01|13, 01|01|012|03|01|01|23, 01|01|012|03|01|02|23, 01|01|012|03|02|01|23, 01|01|012|03|01|  
01|01|012|03|03|01|13, 01|01|012|03|01|03|23, 01|01|012|03|03|01|23, 01|01|012|03|01|12|23, 01|01|012|03|12|  
01|01|012|03|01|13|13, 01|01|012|03|13|01|13, 01|01|012|03|01|13|23, 01|01|012|03|13|01|23, 01|01|012|03|02|  
01|01|012|03|01|02|13, 01|01|012|03|02|12|13, 01|01|012|03|12|02|13, 01|01|012|03|02|13|13, 01|01|012|03|13|  
01|01|012|03|03|13|13, 01|01|012|03|13|03|13, 01|01|012|03|12|01|13, 01|01|012|03|01|12|13, 01|01|012|03|12|  
01|01|012|03|02|12|23, 01|01|012|03|12|03|13, 01|01|012|03|03|12|13, 01|01|012|03|12|03|23, 01|01|012|03|03|  
01|01|012|03|13|02|23, 01|01|012|03|02|13|23, 01|01|012|03|13|03|23, 01|01|012|03|03|13|23, 01|01|012|23|01|  
01|01|012|23|02|01|03, 01|01|012|23|02|01|13, 01|01|012|23|01|02|13, 01|01|012|23|02|12|13, 01|01|012|23|02|  
01|01|012|02|23|12|03, 01|01|012|02|12|23|03, 01|01|012|23|02|13|13, 01|01|012|23|03|12|03, 01|01|023|01|01|  
01|01|023|01|02|01|02, 01|01|023|01|01|12|12, 01|01|023|01|12|01|12, 01|01|023|01|02|01|01, 01|01|023|01|01|  
01|01|023|01|02|01|03, 01|01|023|01|01|02|03, 01|02|023|01|01|01|03, 01|01|023|02|01|01|03, 01|02|013|02|02|  
01|01|023|01|02|01|13, 01|01|023|01|01|02|13, 01|01|023|01|02|02|01, 01|01|023|01|02|02|02, 01|01|023|01|02|  
01|01|023|01|02|02|12, 01|01|023|02|01|02|12, 01|01|023|02|02|01|12, 01|01|023|01|02|02|13, 01|01|023|01|02|  
01|01|023|01|02|03|03, 01|01|023|01|02|03|02, 01|01|023|01|02|03|13, 01|01|023|01|02|03|12, 01|01|023|02|01|  
01|01|023|02|03|01|12, 01|01|023|01|02|12|12, 01|01|023|01|12|02|12, 01|01|023|01|02|12|13, 01|01|023|01|12|  
01|01|023|01|02|13|03, 01|01|023|01|12|03|02, 01|01|023|01|12|02|03, 01|01|023|01|02|12|03, 01|01|023|01|02|  
01|01|023|01|12|03|12, 01|01|023|01|02|23|13, 01|01|023|01|23|02|13, 01|01|023|01|12|01|01, 01|01|023|01|01|  
01|01|023|01|12|01|02, 01|01|023|01|01|12|02, 01|02|123|01|01|01|12, 01|02|123|12|01|01|01, 01|02|023|12|01|  
01|02|123|02|02|02|12, 01|02|123|12|02|02|02, 01|02|013|12|02|02|02, 01|02|023|12|12|12|12, 01|02|013|12|12|  
01|01|023|01|12|01|13, 01|01|023|01|01|12|13, 01|01|023|01|12|02|01, 01|01|023|01|02|12|01, 01|01|023|01|02|  
01|01|023|01|01|02|12, 01|01|023|01|12|02|02, 01|01|023|01|02|12|02, 01|02|123|12|01|01|12, 01|02|123|12|02|  
01|02|023|12|12|12|02, 01|02|013|12|12|12|01, 01|02|023|02|12|12|12, 01|02|013|01|12|12|12, 01|01|023|01|12|  
01|01|023|01|12|01|03, 01|01|023|01|02|13|01, 01|01|023|01|01|12|03, 01|01|023|01|12|03|03, 01|01|023|01|02|  
01|02|123|13|01|01|13, 01|02|123|23|02|02|23, 01|23|023|12|12|12|23, 01|23|012|03|03|03|01, 01|01|023|01|12|  
01|01|023|01|02|13|12, 01|01|023|01|23|01|01, 01|01|023|01|01|23|01, 01|01|023|01|23|01|02, 01|01|023|01|23|  
01|01|023|01|01|23|02, 01|01|023|01|02|23|01, 01|01|023|01|23|01|12, 01|01|023|01|01|23|12, 01|01|023|01|23|

01|01|023|01|02|23|02, 01|01|023|01|23|02|03, 01|01|023|01|02|23|03, 01|01|023|01|23|02|12, 01|01|023|01|02|  
 01|01|023|02|01|02|23, 01|01|023|02|02|01|23, 01|01|023|02|01|03|02, 01|01|023|02|03|01|02, 01|01|023|02|01|  
 01|01|023|02|12|01|12, 01|01|023|02|01|12|23, 01|01|023|02|12|01|23, 01|01|023|02|01|13|23, 01|01|023|02|13|  
 01|01|023|02|01|23|23, 01|01|023|02|23|01|23, 01|01|023|02|02|02|12, 01|01|023|02|02|02|23, 01|01|023|02|02|  
 01|01|023|02|12|02|12, 01|01|023|02|02|23|23, 01|01|023|02|23|02|23, 01|01|023|02|03|02|12, 01|01|023|02|02|  
 01|01|023|02|03|03|02, 01|02|023|01|03|03|02, 01|02|023|02|01|03|03, 01|02|023|02|03|01|03, 01|02|023|02|03|  
 01|02|013|02|03|03|01, 01|02|013|01|02|03|03, 01|02|013|01|03|02|03, 01|02|013|01|03|03|02, 01|01|012|03|03|  
 01|01|012|03|02|03|02, 01|01|012|03|02|02|03, 01|01|023|02|03|03|03, 01|02|023|01|03|03|03, 01|02|023|03|02|  
 01|02|013|02|03|03|03, 01|02|013|03|01|01|02, 01|01|012|03|03|02|01, 01|01|012|03|02|03|01, 01|01|023|02|03|  
 01|01|023|02|03|03|23, 01|01|023|02|03|02|23, 01|01|023|02|02|03|23, 01|01|023|02|03|12|12, 01|01|023|02|12|  
 01|01|023|02|03|23|23, 01|01|023|02|23|03|23, 01|01|023|02|12|02|23, 01|01|023|02|02|12|23, 01|01|023|02|02|  
 01|01|023|02|23|02|12, 01|01|023|02|12|03|23, 01|01|023|02|03|12|23, 01|01|023|02|13|01|02, 01|01|023|02|01|  
 01|01|023|02|13|01|12, 01|01|023|02|01|13|12, 01|01|023|02|13|02|01, 01|01|023|02|02|13|01, 01|01|023|02|13|  
 01|01|023|02|02|13|02, 01|01|023|02|13|02|03, 01|01|023|02|02|13|03, 01|01|023|02|13|02|12, 01|01|023|02|02|  
 01|01|023|02|13|02|23, 01|01|023|02|02|13|23, 01|01|023|02|13|03|02, 01|01|023|02|03|13|02, 01|01|023|02|23|  
 01|01|023|02|01|23|12, 01|01|023|12|01|02|02, 01|01|023|12|02|01|02, 01|01|023|12|01|02|23, 01|01|023|12|02|  
 01|01|023|12|01|03|23, 01|01|023|12|03|01|23, 01|01|023|12|01|12|02, 01|01|023|12|12|01|02, 01|01|023|12|01|  
 01|01|023|12|12|01|23, 01|01|023|12|01|23|23, 01|01|023|12|23|01|23, 01|01|023|12|02|02|02, 01|01|023|12|02|  
 01|01|023|12|02|12|23, 01|01|023|12|12|02|23, 01|01|023|12|02|13|23, 01|01|023|12|13|02|23, 01|01|023|12|02|  
 01|01|023|12|23|02|23, 01|01|023|12|03|01|02, 01|01|023|12|01|03|02, 01|01|023|12|03|01|12, 01|01|023|12|01|  
 01|01|023|12|03|02|02, 01|01|023|12|02|03|02, 01|01|023|12|03|02|23, 01|01|023|12|02|03|23, 01|01|023|12|03|  
 01|01|023|12|03|03|23, 01|01|023|12|03|12|02, 01|01|023|12|12|03|02, 01|23|023|01|12|12|02, 01|23|012|23|03|  
 01|02|012|23|03|03|23, 01|02|012|13|03|03|13, 01|01|023|12|03|12|23, 01|01|023|12|12|03|23, 01|23|023|01|12|  
 01|01|023|23|12|12|03, 01|23|012|23|03|03|12, 01|02|012|23|13|13|23, 01|02|012|13|23|23|13, 01|01|023|12|03|  
 01|01|023|12|13|03|23, 01|01|023|12|03|23|02, 01|01|023|12|23|03|02, 01|01|023|12|03|23|23, 01|01|023|12|23|  
 01|01|023|12|12|02|02, 01|01|023|12|02|12|02, 01|01|023|12|13|01|12, 01|01|023|12|01|13|12, 01|01|023|12|13|  
 01|01|023|12|02|13|01, 01|01|023|12|13|02|12, 01|01|023|12|02|13|12, 01|01|023|12|23|01|02, 01|01|023|12|01|  
 01|01|023|12|23|02|02, 01|01|023|12|02|23|02, 01|01|023|23|02|02|02, 01|01|023|23|02|02|12, 01|01|023|23|02|  
 01|01|023|23|12|03|12, 01|02|012|01|02|03|03, 01|02|012|01|03|02|03, 01|01|012|02|02|03|03, 01|01|012|02|03|  
 01|02|012|02|01|03|03, 01|02|012|02|03|01|03, 01|02|012|01|03|02|02, 01|02|012|01|02|03|02, 01|02|012|01|02|  
 01|01|012|02|03|02|02, 01|01|012|02|02|03|02, 01|01|012|02|02|02|03, 01|02|012|02|03|01|01, 01|02|012|02|01|  
 01|02|012|02|01|01|03, 01|02|012|01|12|23|03, 01|02|012|01|23|12|03, 01|02|012|02|12|13|03, 01|02|012|02|13|  
 01|02|012|01|23|01|02, 01|02|012|01|23|02|01, 01|02|012|01|01|23|02, 01|02|012|01|02|23|01, 01|01|012|02|23|  
 01|01|012|02|23|02|01, 01|01|012|02|01|23|02, 01|01|012|02|02|23|01, 01|02|012|02|13|02|01, 01|02|012|02|13|  
 01|02|012|02|02|13|01, 01|02|012|02|01|13|02, 01|02|012|01|23|02|02, 01|02|012|01|02|23|02, 01|01|012|02|23|  
 01|01|012|02|02|23|02, 01|02|012|02|13|01|01, 01|02|012|02|01|13|01, 01|02|012|01|23|03|02, 01|02|012|01|23|  
 01|02|012|01|03|23|02, 01|02|012|01|02|23|03, 01|01|012|02|23|03|02, 01|01|012|02|23|02|03, 01|01|012|02|03|  
 01|01|012|02|02|23|03, 01|23|012|01|02|02|03, 01|02|012|02|13|03|01, 01|02|012|02|13|01|03, 01|02|012|02|03|  
 01|02|012|02|01|13|03, 01|23|023|23|02|02|12, 01|02|012|01|23|03|03, 01|02|012|01|03|23|03, 01|01|012|02|23|  
 01|01|012|02|03|23|03, 01|02|012|02|13|03|03, 01|02|012|02|03|13|03, 01|02|012|01|23|12|02, 01|02|012|01|12|  
 01|02|012|02|01|23|12, 01|02|012|02|01|12|23, 01|02|012|02|23|01|12, 01|02|012|02|12|01|23, 01|02|012|02|23|  
 01|02|012|02|12|23|01, 01|02|012|12|01|12|23, 01|02|012|12|12|01|23, 01|02|012|02|13|12|01, 01|02|012|02|12|

01|02|012|01|02|13|12, 01|02|012|01|02|12|13, 01|02|012|01|13|02|12, 01|02|012|01|12|02|13, 01|02|012|01|13|  
 01|02|012|01|12|13|02, 01|02|012|12|02|12|13, 01|02|012|12|12|02|13, 01|02|012|01|23|12|12, 01|02|012|01|12|  
 01|02|012|02|13|12|12, 01|02|012|02|12|13|12, 01|02|012|12|02|13|12, 01|02|012|12|12|03|02, 01|02|012|12|01|  
 01|02|012|12|12|03|01, 01|02|012|12|01|23|02, 01|02|012|12|01|02|23, 01|02|012|12|02|13|01, 01|02|012|12|02|  
 01|02|012|12|13|02|12, 01|02|012|12|03|12|02, 01|02|012|12|23|01|12, 01|02|012|12|03|12|01, 01|02|012|12|23|  
 01|02|012|12|02|01|23, 01|02|012|12|13|02|01, 01|02|012|12|01|02|13, 01|02|012|12|03|02|12, 01|02|012|12|02|  
 01|02|012|12|03|01|12, 01|02|012|12|01|03|12, 01|02|012|02|01|02|02, 01|02|012|02|02|01|02, 01|02|012|01|02|  
 01|02|012|01|01|02|01, 01|01|012|02|02|01|01, 01|01|012|02|01|02|01, 01|02|012|02|01|23|23, 01|02|012|02|23|  
 01|02|012|01|02|13|13, 01|02|012|01|13|02|13, 01|02|012|02|02|02|23, 01|02|012|01|01|01|13, 01|02|012|02|02|  
 01|02|012|02|12|02|12, 01|02|012|01|01|12|12, 01|02|012|01|12|01|12, 01|02|012|02|02|23|23, 01|02|012|02|23|  
 01|02|012|01|01|13|13, 01|02|012|01|13|01|13, 01|02|012|02|03|01|02, 01|02|012|02|01|03|02, 01|02|012|02|01|  
 01|02|012|02|02|01|03, 01|02|012|01|03|02|01, 01|02|012|01|02|03|01, 01|02|012|01|02|01|03, 01|02|012|01|01|  
 01|01|012|02|03|02|01, 01|01|012|02|02|03|01, 01|01|012|02|02|01|03, 01|01|012|02|01|02|03, 01|02|012|02|03|  
 01|02|012|02|02|03|23, 01|02|012|01|03|01|13, 01|02|012|01|01|03|13, 01|02|012|02|03|12|12, 01|02|012|02|12|  
 01|02|012|01|03|12|12, 01|02|012|01|12|03|12, 01|01|012|02|03|12|12, 01|01|012|02|12|03|12, 01|01|012|02|12|  
 01|02|012|02|03|23|23, 01|02|012|02|23|03|23, 01|02|012|01|03|13|13, 01|02|012|01|13|03|13, 01|02|012|02|12|  
 01|02|012|02|12|02|01, 01|02|012|02|01|12|02, 01|02|012|02|02|12|01, 01|02|012|01|12|02|01, 01|02|012|01|12|  
 01|02|012|01|02|12|01, 01|02|012|01|01|12|02, 01|01|012|02|12|02|01, 01|01|012|02|12|01|02, 01|01|012|02|02|  
 01|01|012|02|01|12|02, 01|02|012|02|12|02|02, 01|02|012|02|02|12|02, 01|02|012|01|12|01|01, 01|02|012|01|01|  
 01|01|012|02|12|01|01, 01|01|012|02|01|12|01, 01|02|012|02|12|03|23, 01|02|012|02|03|12|23, 01|02|012|01|12|  
 01|02|012|01|03|12|13, 01|01|012|02|03|13|12, 01|01|012|02|13|03|12, 01|02|012|02|12|23|03, 01|02|012|02|23|  
 01|02|012|01|12|13|03, 01|02|012|01|13|12|03, 01|01|012|02|12|13|03, 01|01|012|02|13|12|03, 01|02|012|02|12|  
 01|02|012|02|23|12|23, 01|02|012|01|12|13|13, 01|02|012|01|13|12|13, 01|01|012|02|12|03|03, 01|02|012|01|12|  
 01|02|012|02|12|03|03, 01|01|012|02|03|12|03, 01|02|012|01|03|12|03, 01|02|012|02|03|12|03, 01|02|012|02|13|  
 01|02|012|02|02|13|02, 01|02|012|01|23|01|01, 01|02|012|01|01|23|01, 01|01|012|02|23|01|01, 01|01|012|02|01|  
 01|02|012|02|13|02|23, 01|02|012|02|13|23|02, 01|02|012|02|02|13|23, 01|02|012|02|23|13|02, 01|02|012|01|23|  
 01|02|012|01|23|13|01, 01|02|012|01|01|23|13, 01|02|012|01|13|23|01, 01|02|012|02|13|23|03, 01|02|012|02|23|  
 01|02|012|23|02|13|03, 01|02|012|23|13|02|03, 01|02|012|01|23|13|03, 01|02|012|01|13|23|03, 01|02|012|13|01|  
 01|02|012|13|23|01|03, 01|01|012|02|23|13|03, 01|01|012|02|13|23|03, 01|01|012|23|02|13|03, 01|01|012|23|03|  
 01|02|012|02|13|23|12, 01|02|012|02|13|12|23, 01|02|012|02|23|13|12, 01|02|012|02|12|13|23, 01|02|012|12|12|  
 01|02|012|12|03|12|23, 01|02|012|12|03|23|12, 01|02|012|12|23|03|12, 01|02|012|01|23|13|12, 01|02|012|01|23|  
 01|02|012|01|13|23|12, 01|02|012|01|12|23|13, 01|02|012|12|12|03|13, 01|02|012|12|03|12|13, 01|02|012|12|03|  
 01|02|012|12|13|03|12, 01|02|012|02|13|23|23, 01|02|012|02|23|13|23, 01|02|012|01|23|13|13, 01|02|012|01|13|  
 01|02|012|02|23|01|02, 01|02|012|02|01|23|02, 01|02|012|02|01|02|23, 01|02|012|02|02|01|23, 01|02|012|01|13|  
 01|02|012|01|02|13|01, 01|02|012|01|02|01|13, 01|02|012|01|01|02|13, 01|02|012|02|23|12|02, 01|02|012|02|12|  
 01|02|012|02|12|02|23, 01|02|012|02|02|12|23, 01|02|012|01|13|12|01, 01|02|012|01|12|13|01, 01|02|012|01|12|  
 01|02|012|01|01|12|13, 01|01|012|02|12|03|01, 01|01|012|02|12|01|03, 01|02|012|01|12|03|01, 01|02|012|01|12|  
 01|02|012|02|12|03|02, 01|02|012|02|12|02|03, 01|01|012|02|03|12|01, 01|01|012|02|01|12|03, 01|02|012|01|03|  
 01|02|012|01|01|12|03, 01|02|012|02|03|12|02, 01|02|012|02|02|12|03, 01|02|012|02|23|12|12, 01|02|012|02|12|  
 01|02|012|02|12|12|23, 01|02|012|12|12|02|23, 01|02|012|12|02|12|23, 01|02|012|12|23|02|12, 01|02|012|12|02|  
 01|02|012|01|13|12|12, 01|02|012|01|12|13|12, 01|02|012|01|12|12|13, 01|02|012|12|12|01|13, 01|02|012|12|01|  
 01|02|012|12|13|01|12, 01|02|012|12|01|13|12, 01|01|012|02|12|03|02, 01|01|012|02|12|02|03, 01|02|012|01|12|

01|02|012|01|12|02|03, 01|02|012|02|12|03|01, 01|02|012|02|12|01|03, 01|01|012|02|03|12|02, 01|01|012|02|02|  
 01|02|012|01|03|12|02, 01|02|012|01|02|12|03, 01|02|012|02|03|12|01, 01|02|012|02|01|12|03, 01|02|012|03|01|  
 01|02|012|03|12|01|23, 01|02|012|03|02|12|13, 01|02|012|03|12|02|13, 01|02|012|03|01|23|23, 01|02|012|03|23|  
 01|02|012|03|02|13|13, 01|02|012|03|13|02|13, 01|02|013|03|12|12|03, 01|02|023|03|12|12|03, 01|02|012|03|12|  
 01|02|012|03|02|12|23, 01|02|012|03|12|01|13, 01|02|012|03|01|12|13, 01|02|012|03|12|03|23, 01|02|012|03|03|  
 01|02|012|03|12|03|13, 01|02|012|03|03|12|13, 01|02|012|03|12|13|23, 01|02|012|03|13|12|23, 01|02|012|13|12|  
 01|02|012|13|03|12|23, 01|02|012|03|12|23|13, 01|02|012|03|23|12|13, 01|02|012|23|12|03|13, 01|02|012|23|03|  
 01|02|012|03|12|23|23, 01|02|012|03|23|12|23, 01|02|012|03|12|13|13, 01|02|012|03|13|12|13, 01|02|013|03|12|  
 01|02|023|03|12|12|23, 01|02|012|13|12|03|03, 01|02|012|23|12|03|03, 01|02|012|13|03|12|03, 01|02|012|23|03|  
 01|02|013|13|12|12|03, 01|02|023|23|12|12|03, 01|02|012|03|13|02|23, 01|02|012|03|02|13|23, 01|02|012|03|23|  
 01|02|012|03|01|23|13, 01|02|012|03|13|23|23, 01|02|012|03|23|13|23, 01|02|012|03|23|13|13, 01|02|012|03|13|  
 01|02|013|03|12|12|23, 01|02|023|03|12|12|13, 01|02|013|23|12|12|03, 01|02|023|13|12|12|03, 01|02|012|12|01|  
 01|02|012|12|02|01|12, 01|02|012|12|12|01|02, 01|02|012|12|01|12|02, 01|02|012|12|12|02|01, 01|02|012|12|02|  
 01|02|012|12|01|23|23, 01|02|012|12|23|01|23, 01|02|012|12|02|13|13, 01|02|012|12|13|02|13, 01|02|012|12|02|  
 01|02|012|12|12|02|12, 01|02|012|12|01|12|12, 01|02|012|12|12|01|12, 01|01|012|02|12|02|02, 01|01|012|02|02|  
 01|02|012|12|02|23|23, 01|02|012|12|23|02|23, 01|02|012|12|01|13|13, 01|02|012|12|13|01|13, 01|02|012|12|03|  
 01|02|012|12|12|03|12, 01|02|012|02|12|13|02, 01|02|012|02|13|12|02, 01|02|012|02|13|02|12, 01|02|012|02|02|  
 01|02|012|01|12|23|01, 01|02|012|01|23|12|01, 01|02|012|01|23|01|12, 01|02|012|01|01|23|12, 01|02|012|12|12|  
 01|02|012|12|12|23|23, 01|02|012|12|23|12|23, 01|02|012|12|12|13|13, 01|02|012|12|13|12|13, 01|02|012|12|13|  
 01|02|012|12|12|13|02, 01|02|012|12|23|12|01, 01|02|012|12|12|23|01, 01|02|012|12|13|12|23, 01|02|012|12|12|  
 01|02|012|12|23|12|13, 01|02|012|12|12|23|13, 01|02|012|12|23|03|02, 01|02|012|12|03|23|02, 01|02|012|12|02|  
 01|02|012|12|03|02|23, 01|02|012|12|13|03|01, 01|02|012|12|03|13|01, 01|02|012|12|01|03|13, 01|02|012|12|03|  
 01|02|012|12|13|23|02, 01|02|012|12|23|13|02, 01|02|012|12|23|13|01, 01|02|012|12|13|23|01, 01|02|012|12|13|  
 01|02|012|12|23|13|12, 01|02|012|12|23|12|02, 01|02|012|12|12|23|02, 01|02|012|12|13|12|01, 01|02|012|12|12|  
 01|02|012|12|23|12|12, 01|02|012|12|12|23|12, 01|02|012|12|23|02|02, 01|02|012|12|02|23|02, 01|02|012|12|02|  
 01|02|012|12|13|12|12, 01|02|012|12|12|13|12, 01|02|012|12|13|01|01, 01|02|012|12|01|13|01, 01|02|012|12|01|  
 01|02|012|12|03|02|02, 01|02|012|12|02|03|02, 01|02|012|12|03|01|01, 01|02|012|12|01|03|01, 01|02|012|13|01|  
 01|02|012|13|12|01|23, 01|02|012|23|02|12|13, 01|02|012|23|12|02|13, 01|02|012|13|01|23|23, 01|02|012|13|23|  
 01|02|012|23|02|13|13, 01|02|012|23|13|02|13, 01|02|012|13|02|03|03, 01|02|012|13|03|02|03, 01|02|012|23|01|  
 01|02|012|23|03|01|03, 01|23|012|02|03|03|01, 01|23|023|02|12|12|23, 01|02|012|13|02|23|23, 01|02|012|13|23|  
 01|02|013|13|23|23|13, 01|02|012|23|01|13|13, 01|02|012|23|13|01|13, 01|02|023|23|13|13|23, 01|23|012|02|13|  
 01|23|023|02|13|13|23, 01|02|012|13|03|23|23, 01|02|012|13|23|03|23, 01|02|013|13|23|23|12, 01|23|012|03|12|  
 01|23|012|03|13|12|23, 01|02|012|23|03|13|13, 01|02|012|23|13|03|13, 01|02|023|23|13|13|12, 01|23|023|12|03|  
 01|23|023|12|13|03|01, 01|23|012|02|13|13|03, 01|23|023|02|13|13|12, 01|23|012|03|13|13|02, 01|23|023|12|13|  
 01|02|123|23|03|03|12, 01|02|123|13|03|03|12, 01|02|012|13|12|23|03, 01|02|012|13|23|12|03, 01|02|012|23|12|  
 01|02|012|23|13|12|03, 01|02|012|13|12|23|23, 01|02|012|13|23|12|23, 01|02|012|12|13|23|23, 01|02|012|12|23|  
 01|02|012|23|12|23|13, 01|02|012|23|23|12|13, 01|02|012|12|03|23|23, 01|23|012|02|13|12|23, 01|23|012|02|13|  
 01|02|012|12|23|03|23, 01|23|012|02|12|13|23, 01|23|012|02|23|13|12, 01|02|012|23|12|13|13, 01|02|012|23|13|  
 01|02|012|12|23|13|13, 01|02|012|12|13|23|13, 01|02|012|13|12|13|23, 01|02|012|13|13|12|23, 01|02|012|12|03|  
 01|23|023|02|13|03|01, 01|23|023|02|13|01|03, 01|02|012|12|13|03|13, 01|23|023|02|03|13|01, 01|23|023|02|01|  
 01|02|012|13|23|03|03, 01|02|012|13|03|23|03, 01|02|013|13|12|12|23, 01|23|012|03|12|13|13, 01|23|012|03|13|  
 01|02|013|23|12|12|13, 01|02|012|23|13|03|03, 01|02|012|23|03|13|03, 01|02|023|23|12|12|13, 01|23|023|12|03|

01|23|023|12|13|03|13, 01|02|023|13|12|12|23, 01|23|012|02|13|03|03, 01|23|012|02|03|13|03, 01|23|023|02|13|  
 01|23|023|02|12|13|12, 01|23|012|03|13|03|02, 01|23|012|03|03|13|02, 01|23|023|12|13|12|02, 01|23|023|12|12|  
 01|02|012|23|12|02|03, 01|02|012|23|02|12|03, 01|02|012|13|12|01|03, 01|02|012|13|01|12|03, 01|02|012|23|12|  
 01|02|012|23|23|12|03, 01|02|012|13|12|13|03, 01|02|012|13|13|12|03, 01|02|012|23|13|23|03, 01|02|012|23|23|  
 01|02|012|13|23|13|03, 01|02|012|13|13|23|03, 01|02|013|01|23|03|03, 01|02|013|01|03|23|03, 01|02|023|02|13|  
 01|02|023|02|03|13|03, 01|02|013|02|02|23|23, 01|02|013|02|23|02|23, 01|02|023|01|01|13|13, 01|02|023|01|13|  
 01|02|013|02|03|02|23, 01|02|013|02|02|03|23, 01|02|023|01|03|01|13, 01|02|023|01|01|03|13, 01|02|013|02|03|  
 01|02|023|01|03|03|01, 01|01|023|02|03|03|01, 01|01|012|03|02|03|03, 01|01|012|03|03|02|03, 01|02|013|02|03|  
 01|02|023|01|03|03|13, 01|02|123|13|12|12|01, 01|02|123|23|12|12|02, 01|02|013|02|03|23|23, 01|02|013|02|23|  
 01|02|023|01|03|13|13, 01|02|023|01|13|03|13, 01|02|013|02|13|12|23, 01|02|013|02|12|13|23, 01|02|023|01|23|  
 01|02|023|01|12|23|13, 01|02|013|02|13|13|02, 01|02|023|01|23|23|01, 01|01|023|02|23|23|01, 01|02|013|02|13|  
 01|02|023|01|23|23|13, 01|02|013|02|13|23|02, 01|02|013|02|23|13|02, 01|02|023|01|23|13|01, 01|02|023|01|13|  
 01|02|013|02|13|23|23, 01|02|013|02|23|13|23, 01|02|023|01|23|13|13, 01|02|023|01|13|23|13, 01|02|013|03|01|  
 01|02|013|03|02|01|02, 01|02|023|03|02|01|01, 01|02|023|03|01|02|01, 01|02|013|03|12|02|02, 01|02|013|03|02|  
 01|02|023|03|12|01|01, 01|02|023|03|01|12|01, 01|02|013|03|13|23|23, 01|02|013|03|23|13|23, 01|02|023|03|23|  
 01|02|023|03|13|23|13, 01|01|023|23|12|03|02, 01|01|023|23|02|13|03, 01|01|023|02|23|13|03, 01|01|023|02|13|  
 01|01|023|02|13|03|23, 01|01|023|02|03|13|23, 01|02|013|12|01|23|23, 01|02|013|12|23|01|23, 01|02|023|12|02|  
 01|02|023|12|13|02|13, 01|02|013|12|02|23|23, 01|02|013|12|23|02|23, 01|02|023|12|01|13|13, 01|02|023|12|13|  
 01|02|123|02|13|03|01, 01|02|123|02|13|01|03, 01|02|123|01|23|03|02, 01|02|123|01|23|02|03, 01|01|023|12|23|  
 01|01|023|12|23|12|13, 01|02|123|02|03|13|01, 01|02|123|02|01|13|03, 01|02|123|01|03|23|02, 01|02|123|01|02|  
 01|01|023|12|13|23|12, 01|01|023|12|12|23|13, 01|02|013|12|03|23|23, 01|02|013|12|23|03|23, 01|23|012|03|12|  
 01|23|012|03|23|12|13, 01|02|023|12|03|13|13, 01|02|023|12|13|03|13, 01|23|023|12|03|01|13, 01|23|023|12|01|  
 01|02|023|12|03|13|12, 01|02|013|12|03|23|12, 01|02|013|02|13|23|12, 01|02|023|01|23|13|12, 01|02|023|12|13|  
 01|02|013|12|23|03|12, 01|02|013|02|23|13|12, 01|02|023|01|13|23|12, 01|02|013|12|13|13|02, 01|02|023|12|23|  
 01|02|013|12|13|13|23, 01|23|012|03|02|02|13, 01|02|023|12|23|23|13, 01|23|023|12|02|02|13, 01|02|013|12|23|  
 01|02|013|12|12|23|12, 01|02|023|12|13|12|12, 01|02|023|12|12|13|12, 01|02|013|13|02|12|12, 01|02|013|13|12|  
 01|02|023|23|01|12|12, 01|02|023|23|12|01|12, 01|02|013|13|03|23|23, 01|02|013|13|23|03|23, 01|02|023|23|03|  
 01|02|023|23|13|03|13, 01|01|023|02|23|12|03, 01|01|023|02|23|03|12, 01|01|023|02|12|23|03, 01|01|023|02|03|  
 01|02|013|23|02|12|12, 01|02|013|23|12|02|12, 01|02|023|13|01|12|12, 01|02|023|13|12|01|12, 01|02|013|23|03|  
 01|02|013|03|03|03|23, 01|02|023|13|03|03|03, 01|02|023|03|03|03|13, 01|02|023|03|12|02|02, 01|02|023|03|02|  
 01|02|013|03|12|01|01, 01|02|013|03|01|12|01, 01|01|012|03|12|13|01, 01|01|012|03|13|12|01, 01|02|013|23|12|  
 01|02|013|23|02|12|02, 01|02|023|13|12|01|01, 01|02|023|13|01|12|01, 01|02|013|23|13|23|03, 01|02|013|23|23|  
 01|02|023|13|23|13|03, 01|02|023|13|13|23|03, 01|02|013|02|13|23|03, 01|02|023|01|23|13|03, 01|02|013|02|23|  
 01|02|023|01|13|23|03, 01|02|023|01|23|23|02, 01|02|023|02|23|23|01, 01|02|013|02|13|13|01, 01|02|013|01|13|  
 01|23|023|23|01|02|02, 01|23|012|01|23|02|02, 01|01|012|23|23|02|02, 01|23|023|23|02|01|02, 01|23|012|01|02|  
 01|01|012|23|02|23|02, 01|02|023|01|23|23|03, 01|01|023|02|23|23|03, 01|02|013|02|13|13|03, 01|01|012|23|23|  
 01|01|012|23|02|23|12, 01|02|023|02|03|03|02, 01|02|013|01|03|03|01, 01|02|023|02|03|03|03, 01|02|013|01|03|  
 01|01|012|03|02|02|02, 01|01|012|03|02|02|01, 01|02|023|02|03|03|23, 01|02|013|01|03|03|13, 01|02|023|02|12|  
 01|02|023|02|23|12|23, 01|02|013|01|12|13|13, 01|02|013|01|13|12|13, 01|02|023|02|13|02|03, 01|02|023|02|13|  
 01|02|023|02|02|13|03, 01|02|023|02|03|13|02, 01|02|013|01|23|01|03, 01|02|013|01|23|03|01, 01|02|013|01|01|  
 01|02|013|01|03|23|01, 01|02|023|02|13|12|23, 01|02|023|02|13|23|12, 01|02|023|02|12|13|23, 01|02|023|02|23|  
 01|02|123|12|12|03|23, 01|02|123|12|03|12|23, 01|02|123|12|03|23|12, 01|02|123|12|23|03|12, 01|02|013|01|23|

01|02|013|01|23|13|12, 01|02|013|01|12|23|13, 01|02|013|01|13|23|12, 01|02|123|12|12|03|13, 01|02|123|12|03|  
 01|02|123|12|03|13|12, 01|02|123|12|13|03|12, 01|02|023|02|13|23|23, 01|02|023|02|23|13|23, 01|02|013|01|23|  
 01|02|013|01|13|23|13, 01|02|023|02|23|23|02, 01|02|013|01|13|13|01, 01|01|012|03|12|12|01, 01|01|012|23|02|  
 01|02|023|02|23|23|03, 01|02|013|01|13|13|03, 01|02|023|02|23|23|23, 01|02|013|01|13|13|13, 01|02|023|03|02|  
 01|02|013|03|01|01|01, 01|02|023|03|12|01|02, 01|02|023|03|12|02|01, 01|02|023|03|01|12|02, 01|02|023|03|02|  
 01|02|013|03|12|02|01, 01|02|013|03|12|01|02, 01|02|013|03|02|12|01, 01|02|013|03|01|12|02, 01|02|023|03|13|  
 01|02|023|03|23|13|23, 01|02|023|03|23|23|13, 01|02|013|03|23|13|13, 01|02|013|03|13|23|13, 01|02|013|03|13|  
 01|02|023|03|23|23|23, 01|02|013|03|13|13|13, 01|02|023|12|03|03|02, 01|02|023|02|03|03|12, 01|02|013|12|03|  
 01|02|013|01|03|03|12, 01|01|012|23|03|02|02, 01|01|012|23|02|03|02, 01|02|023|02|23|23|12, 01|02|013|01|13|  
 01|02|023|12|13|23|12, 01|02|023|12|23|13|12, 01|02|123|12|03|23|02, 01|02|123|12|03|02|23, 01|02|123|12|23|  
 01|02|123|12|02|03|23, 01|02|013|12|23|13|12, 01|02|013|12|13|23|12, 01|02|123|12|03|13|01, 01|02|123|12|03|  
 01|02|123|12|13|03|01, 01|02|123|12|01|03|13, 01|02|013|12|23|03|02, 01|02|013|12|03|23|02, 01|02|013|12|03|  
 01|02|013|12|02|03|23, 01|02|023|12|13|03|01, 01|02|023|12|03|13|01, 01|02|023|12|03|01|13, 01|02|023|12|01|  
 01|02|023|12|13|23|23, 01|02|023|12|23|13|23, 01|02|013|12|23|13|13, 01|02|013|12|13|23|13, 01|02|023|12|13|  
 01|02|013|12|23|13|01, 01|02|023|12|23|13|02, 01|02|013|12|13|23|01, 01|02|023|12|23|12|12, 01|02|023|12|12|  
 01|02|013|12|13|12|12, 01|02|013|12|12|13|12, 01|02|023|12|23|23|02, 01|02|013|12|13|13|01, 01|01|012|03|23|  
 01|01|012|03|02|23|02, 01|02|023|12|23|23|12, 01|02|123|12|23|23|02, 01|02|123|12|23|02|23, 01|02|123|12|02|  
 01|02|123|02|23|23|12, 01|02|013|12|13|13|12, 01|02|123|12|13|13|01, 01|02|123|12|13|01|13, 01|02|123|12|01|  
 01|02|123|01|13|13|12, 01|02|013|12|03|03|02, 01|02|023|12|03|03|01, 01|02|023|02|13|03|01, 01|02|013|01|23|  
 01|01|012|03|23|02|03, 01|02|023|02|13|01|03, 01|02|013|01|23|02|03, 01|01|012|03|23|03|02, 01|02|023|02|03|  
 01|02|013|01|03|23|02, 01|01|012|03|02|23|03, 01|02|023|02|01|13|03, 01|02|013|01|02|23|03, 01|01|012|03|03|  
 01|02|013|02|03|03|12, 01|02|023|01|03|03|12, 01|02|023|12|23|23|23, 01|23|023|12|23|23|02, 01|02|013|12|13|  
 01|23|012|03|01|01|02, 01|01|012|03|23|02|01, 01|01|012|03|23|01|02, 01|01|012|03|02|23|01, 01|01|012|03|01|  
 01|02|023|13|02|12|12, 01|02|023|13|12|02|12, 01|02|013|23|01|12|12, 01|02|013|23|12|01|12, 01|02|023|13|03|  
 01|02|023|23|13|03|03, 01|02|023|23|03|13|03, 01|02|023|23|03|03|13, 01|02|013|23|03|03|13, 01|02|013|13|23|  
 01|02|013|13|03|23|03, 01|02|013|13|03|03|23, 01|01|012|03|13|12|02, 01|01|012|03|12|13|02, 01|02|023|13|13|  
 01|02|023|13|23|13|23, 01|02|013|23|23|13|13, 01|02|013|23|13|23|13, 01|23|012|03|12|12|23, 01|23|023|12|03|  
 01|02|023|01|13|23|02, 01|02|013|02|23|13|01, 01|02|023|01|23|13|02, 01|02|013|02|13|23|01, 01|02|023|13|23|  
 01|02|013|23|13|13|03, 01|01|012|03|23|12|02, 01|01|012|03|12|23|02, 01|02|023|13|23|23|23, 01|02|023|23|23|  
 01|23|023|02|13|23|23, 01|23|023|02|23|13|23, 01|02|013|23|13|13|13, 01|02|013|13|13|13|23, 01|23|012|02|13|  
 01|23|012|02|01|13|01, 01|02|023|02|13|23|02, 01|02|013|01|23|13|01, 01|01|012|03|23|12|01, 01|02|023|02|13|  
 01|02|013|01|23|01|13, 01|02|023|02|23|13|02, 01|02|013|01|13|23|01, 01|01|012|03|12|23|01, 01|02|023|02|02|  
 01|02|013|01|01|23|13, 01|02|023|23|01|12|02, 01|02|023|23|01|02|12, 01|02|023|23|12|01|02, 01|02|023|23|02|  
 01|02|013|13|02|12|01, 01|02|013|13|02|01|12, 01|02|013|13|12|02|01, 01|02|013|13|01|02|12, 01|02|023|23|02|  
 01|02|013|13|01|01|01, 01|02|023|23|02|12|12, 01|02|023|23|12|02|12, 01|02|013|13|01|12|12, 01|02|013|13|12|  
 01|02|023|23|03|03|03, 01|02|023|03|03|03|23, 01|02|013|13|03|03|03, 01|02|013|03|03|03|13, 01|02|023|23|23|  
 01|02|013|13|13|13|03, 01|02|123|01|02|03|03, 01|02|123|01|03|02|03, 01|01|023|12|12|13|13, 01|01|023|12|13|  
 01|02|123|02|01|03|03, 01|02|123|02|03|01|03, 01|02|123|01|23|03|03, 01|02|123|01|03|23|03, 01|01|023|12|23|  
 01|01|023|12|13|23|13, 01|02|123|02|13|03|03, 01|02|123|02|03|13|03, 01|02|123|02|03|12|03, 01|02|123|02|12|  
 01|02|123|01|03|12|03, 01|02|123|01|12|03|03, 01|01|023|12|13|02|13, 01|01|023|12|02|13|13, 01|02|013|02|12|  
 01|02|023|01|12|13|13, 01|02|013|02|23|12|23, 01|02|023|01|13|12|13, 01|02|123|01|23|23|02, 01|02|123|02|23|  
 01|01|023|12|23|23|12, 01|02|123|02|13|13|01, 01|02|123|01|13|13|02, 01|01|023|12|03|03|12, 01|02|123|01|23|



01|01|023|12|23|23|13, 01|02|123|02|13|13|03, 01|02|123|01|23|23|12, 01|02|123|12|23|23|01, 01|02|123|02|13|  
 01|02|123|12|13|13|02, 01|02|023|12|03|03|12, 01|02|013|12|03|03|12, 01|02|023|01|23|23|12, 01|02|013|02|13|  
 01|01|012|23|23|03|02, 01|01|012|23|03|23|02, 01|02|123|02|02|23|23, 01|02|123|02|23|02|23, 01|02|123|01|01|  
 01|02|123|01|13|01|13, 01|02|123|02|03|02|23, 01|02|123|02|02|03|23, 01|02|123|01|03|01|13, 01|02|123|01|01|  
 01|02|123|02|03|12|02, 01|02|123|02|12|03|02, 01|02|123|01|03|12|01, 01|02|123|01|12|03|01, 01|01|023|12|13|  
 01|01|023|12|01|13|02, 01|02|123|02|03|23|23, 01|02|123|02|23|03|23, 01|02|123|01|03|13|13, 01|02|123|01|13|  
 01|02|123|02|12|03|23, 01|02|123|02|03|12|23, 01|02|123|01|12|03|13, 01|02|123|01|03|12|13, 01|01|023|12|13|  
 01|01|023|12|03|13|02, 01|02|123|02|13|03|02, 01|02|123|02|03|13|02, 01|02|123|01|23|03|01, 01|02|123|01|03|  
 01|01|023|12|23|13|01, 01|01|023|12|13|23|01, 01|02|123|02|13|13|02, 01|02|123|01|23|23|01, 01|01|023|12|23|  
 01|02|123|02|13|13|23, 01|02|123|01|23|23|13, 01|01|023|23|12|23|03, 01|01|012|23|03|23|12, 01|01|023|23|23|  
 01|01|012|23|23|03|12, 01|02|123|02|23|23|02, 01|02|123|01|13|13|01, 01|01|023|12|03|03|01, 01|01|012|03|23|  
 01|01|012|03|03|23|03, 01|02|123|02|23|23|03, 01|02|123|01|13|13|03, 01|01|023|12|03|03|13, 01|02|123|03|12|  
 01|02|123|03|12|12|02, 01|02|013|12|23|01|12, 01|02|023|12|13|02|12, 01|02|013|12|01|23|12, 01|02|023|12|02|  
 01|02|123|02|23|23|23, 01|02|123|01|13|13|13, 01|02|023|13|02|02|01, 01|02|013|23|01|01|02, 01|01|012|03|23|  
 01|01|012|03|23|01|03, 01|01|012|03|03|23|01, 01|01|012|03|01|23|03, 01|02|123|03|12|01|02, 01|02|123|03|01|  
 01|02|123|03|12|02|01, 01|02|123|03|02|12|01, 01|02|123|03|12|02|02, 01|02|123|03|02|12|02, 01|02|123|03|12|  
 01|02|123|03|01|12|01, 01|02|123|03|12|03|23, 01|02|123|03|03|12|23, 01|02|123|03|12|03|13, 01|02|123|03|03|  
 01|23|023|01|12|13|03, 01|23|012|23|03|13|12, 01|23|023|01|12|13|02, 01|23|012|23|03|13|02, 01|02|123|03|13|  
 01|02|123|23|03|13|13, 01|02|123|23|13|03|13, 01|02|123|23|13|13|03, 01|02|123|03|23|23|13, 01|02|123|13|03|  
 01|02|123|13|23|03|23, 01|02|123|13|23|23|03, 01|01|012|03|13|23|02, 01|01|012|03|23|13|02, 01|02|123|03|23|  
 01|02|123|23|23|23|03, 01|02|123|03|13|13|13, 01|02|123|13|13|13|03, 01|02|023|13|02|02|12, 01|02|013|23|01|  
 01|01|012|03|23|13|01, 01|01|012|03|13|23|01, 01|02|123|12|03|12|12, 01|02|123|12|12|03|12, 01|02|123|12|03|  
 01|02|123|12|23|03|23, 01|02|123|12|03|13|13, 01|02|123|12|13|03|13, 01|02|123|12|13|13|23, 01|02|023|12|03|  
 01|02|123|12|23|23|13, 01|02|013|12|03|03|13, 01|01|012|23|03|02|12, 01|01|012|23|02|03|12, 01|02|123|12|23|  
 01|02|123|12|13|13|12, 01|02|123|12|23|23|23, 01|23|023|02|23|23|12, 01|02|123|12|13|13|13, 01|23|012|02|01|  
 01|02|123|13|02|12|12, 01|02|123|13|12|02|12, 01|02|123|23|01|12|12, 01|02|123|23|12|01|12, 01|02|123|13|23|  
 01|02|123|13|03|23|03, 01|02|123|23|13|03|03, 01|02|123|23|03|13|03, 01|01|023|02|13|12|03, 01|01|023|02|13|  
 01|01|023|02|12|13|03, 01|01|023|02|03|13|12, 01|02|123|13|23|23|23, 01|02|123|23|23|23|13, 01|02|123|23|13|  
 01|02|123|13|13|13|23, 01|02|123|23|01|02|02, 01|02|123|23|02|01|02, 01|02|123|13|02|01|01, 01|02|123|13|01|  
 01|02|123|23|01|12|02, 01|02|123|23|12|01|02, 01|02|123|13|02|12|01, 01|02|123|13|12|02|01, 01|02|123|23|02|  
 01|02|123|23|12|02|12, 01|02|123|13|01|12|12, 01|02|123|13|12|01|12, 01|02|123|23|12|02|02, 01|02|123|23|02|  
 01|02|123|13|12|01|01, 01|02|123|13|01|12|01, 01|02|123|23|12|12|12, 01|02|023|23|02|02|12, 01|02|123|13|12|  
 01|02|013|13|01|01|12, 01|23|012|01|02|03|03, 01|23|012|01|03|02|03, 01|01|012|23|03|03|02, 01|23|023|23|02|  
 01|23|023|23|12|02|12, 01|23|023|23|12|12|02, 01|02|023|23|12|12|23, 01|23|012|01|03|03|02, 01|02|013|13|12|  
 01|23|012|01|03|02|02, 01|23|012|01|02|03|02, 01|23|023|23|12|02|02, 01|23|023|23|02|12|02, 01|23|012|01|23|  
 01|23|012|01|23|02|03, 01|23|012|01|03|23|02, 01|23|012|01|02|23|03, 01|23|023|23|01|12|02, 01|23|023|23|01|  
 01|23|023|23|12|01|02, 01|23|023|23|02|01|12, 01|23|012|01|23|03|03, 01|23|012|01|03|23|03, 01|23|023|23|01|  
 01|23|023|23|12|01|12, 01|23|012|02|01|23|23, 01|23|012|02|23|01|23, 01|23|023|02|23|01|01, 01|23|023|02|01|  
 01|23|012|02|02|02|23, 01|23|023|02|02|02|01, 01|02|023|23|02|01|02, 01|02|023|23|01|02|02, 01|02|013|13|01|  
 01|02|013|13|02|01|01, 01|23|012|02|12|12|23, 01|23|023|02|03|03|01, 01|23|012|02|12|23|23, 01|23|012|02|23|  
 01|23|023|02|03|01|01, 01|23|023|02|01|03|01, 01|01|023|02|01|03|23, 01|01|023|02|03|01|23, 01|23|012|02|13|  
 01|23|012|02|12|13|12, 01|23|023|02|13|03|03, 01|23|023|02|03|13|03, 01|23|012|02|13|23|23, 01|23|012|02|23|

01|23|023|02|13|01|01, 01|23|023|02|01|13|01, 01|23|012|02|23|12|12, 01|23|012|02|12|23|12, 01|23|023|02|01|  
 01|23|023|02|03|01|03, 01|23|012|03|02|02|23, 01|23|023|12|02|02|01, 01|23|012|03|12|12|13, 01|02|013|12|03|  
 01|23|023|12|03|03|13, 01|02|023|12|03|03|13, 01|23|012|03|12|23|23, 01|23|012|03|23|12|23, 01|23|023|12|03|  
 01|23|023|12|01|03|01, 01|02|123|23|01|01|13, 01|02|123|13|02|02|23, 01|02|123|13|01|01|23, 01|02|123|23|02|  
 01|23|012|03|13|23|23, 01|23|012|03|23|13|23, 01|23|023|12|13|01|01, 01|23|023|12|01|13|01, 01|02|123|23|01|  
 01|02|123|13|02|02|03, 01|02|123|03|01|01|23, 01|02|123|03|02|02|13, 01|01|023|12|01|13|23, 01|01|023|12|13|  
 01|23|012|03|23|13|13, 01|23|012|03|13|23|13, 01|02|013|23|12|12|23, 01|23|023|12|01|13|13, 01|23|023|12|13|  
 01|02|023|13|12|12|13, 01|01|023|12|03|13|12, 01|01|023|12|13|03|12, 01|23|012|23|01|01|23, 01|23|023|01|23|  
 01|23|012|23|03|13|23, 01|23|023|01|12|13|01, 01|23|023|01|12|13|13, 01|23|023|01|12|13|12, 01|23|023|01|12|  
 01|01|023|23|12|12|13, 01|23|012|23|03|13|13, 01|23|012|23|03|13|03, 01|23|012|23|03|03|13, 01|23|023|01|23|  
 01|23|023|01|12|23|12, 01|23|012|23|01|03|03, 01|23|012|23|03|01|03, 01|02|013|02|23|01|23, 01|02|023|01|13|  
 01|02|013|02|01|23|23, 01|02|023|01|02|13|13, 01|23|023|01|23|12|13, 01|23|023|01|12|23|13, 01|23|012|23|01|  
 01|23|012|23|03|01|13, 01|23|023|01|23|23|02, 01|01|023|23|23|23|02, 01|23|012|23|01|01|02, 01|01|012|23|23|  
 01|01|012|23|01|23|02, 01|23|023|01|23|23|12, 01|23|012|23|01|01|03, 01|23|023|02|02|02|03, 01|23|012|02|02|  
 01|23|023|02|03|03|03, 01|23|012|02|12|12|12, 01|23|023|02|13|12|23, 01|23|023|02|12|13|23, 01|23|012|02|13|  
 01|23|012|02|03|13|01, 01|02|012|23|13|01|03, 01|02|012|23|01|13|03, 01|02|012|23|03|01|13, 01|02|012|23|01|  
 01|02|012|13|23|02|03, 01|02|012|13|02|23|03, 01|02|012|13|03|02|23, 01|02|012|13|02|03|23, 01|23|023|02|23|  
 01|23|012|02|01|01|01, 01|23|023|12|13|12|23, 01|23|023|12|12|13|23, 01|23|023|12|13|13|23, 01|02|123|23|03|  
 01|23|012|03|13|03|01, 01|23|012|03|03|13|01, 01|23|012|03|13|13|01, 01|02|123|13|03|03|13, 01|02|123|01|03|  
 01|01|023|12|13|02|02, 01|02|123|02|03|12|12, 01|02|123|01|12|03|12, 01|01|023|12|02|13|02, 01|02|123|02|12|  
 01|23|023|12|23|23|23, 01|23|012|03|01|01|01, 01|02|023|02|13|02|02, 01|02|013|01|23|01|01, 01|01|012|03|23|  
 01|02|023|02|02|13|02, 01|02|013|01|01|23|01, 01|01|012|03|01|23|01, 01|23|023|23|01|23|02, 01|23|023|23|01|  
 01|23|023|23|23|01|02, 01|23|023|23|02|01|23, 01|23|012|01|23|01|02, 01|23|012|01|23|02|01, 01|23|012|01|01|  
 01|23|012|01|02|23|01, 01|23|023|23|01|23|12, 01|23|023|23|01|12|23, 01|23|023|23|23|01|12, 01|23|023|23|12|  
 01|23|012|01|23|01|03, 01|23|012|01|23|03|01, 01|23|012|01|01|23|03, 01|23|012|01|03|23|01, 01|23|023|23|01|  
 01|23|023|23|23|01|23, 01|23|012|01|23|01|01, 01|23|012|01|01|23|01, 01|23|023|23|02|02|02, 01|23|012|01|02|  
 01|23|023|23|02|02|03, 01|23|012|01|02|02|12, 01|01|012|23|02|02|12, 01|01|012|03|12|12|02, 01|23|023|23|02|  
 01|23|012|01|02|02|13, 01|23|023|23|02|02|23, 01|23|012|01|02|02|01, 01|23|023|23|12|02|23, 01|23|023|23|02|  
 01|23|012|01|03|02|01, 01|23|012|01|02|03|01, 01|02|012|01|23|01|03, 01|01|012|02|23|01|03, 01|02|012|02|13|  
 01|02|012|01|23|03|01, 01|01|012|02|23|03|01, 01|02|012|02|13|03|02, 01|02|012|01|01|23|03, 01|01|012|02|01|  
 01|02|012|02|02|13|03, 01|02|012|01|03|23|01, 01|01|012|02|03|23|01 *or* 01|02|012|02|03|13|02.

$\mathcal{K}_{02,4}(01|01|012|01|01|01|01, \infty, 1, 2, 5, 6, 7) \Rightarrow 01|01|012|03|01|01|01, 01|02|023|01|02|02|02,$   
 $01|02|013|02|01|01|01, 01|01|012|03|03|01|01, 01|01|012|03|01|03|01, 01|01|012|03|01|01|03$  (Case 1).

$\mathcal{K}_{02,2}(01|01|012|01|01|01|01, \infty, 1, 5, 6, 7) \Rightarrow 01|02|013|01|01|01|01, 01|01|023|02|02|02|02,$   
 $01|02|013|01|02|01|01, 01|02|013|01|01|02|01, 01|02|013|01|01|01|02$  (Case 1).

$\mathcal{K}_{02,1}(01|01|012|01|01|01|01, \infty) \Rightarrow 01|02|023|02|02|02|02$  (Case 1).

$\mathcal{K}_{12,4}(01|01|012|01|01|01|03, \infty, 1, 2, 5, 6, 7) \Rightarrow 01|01|012|03|01|01|03, 01|02|023|01|02|02|01,$   
 $01|02|013|02|01|01|02, 01|01|012|03|03|01|03, 01|01|012|03|01|03|03, 01|01|012|03|01|01|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|01|01|01|03, \infty, 1, 5, 6, 7) \Rightarrow 01|02|013|01|01|01|02, 01|01|023|02|02|02|01,$

01|02|013|01|02|01|02, 01|02|013|01|01|02|02, 01|02|013|01|01|01|01 (Case 1).

$\mathcal{K}_{12,1}(01|01|012|01|01|01|03, \infty) \Rightarrow 01|02|023|02|02|02|01$  (Case 1).

$\mathcal{K}_{01,1}(01|01|012|01|01|02|02, \infty, 2, 4) \Rightarrow 01|02|023|02|02|03|03, 01|01|023|02|02|03|03, 01|02|023|01|02|03|01$  (Case 1).

$\mathcal{K}_{01,2}(01|01|012|01|01|02|02, \infty, 4) \Rightarrow 01|02|013|01|01|03|03, 01|02|013|02|01|03|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|012|01|01|02|02, \infty) \Rightarrow 01|01|012|03|01|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|02|01|02$

$\mathcal{K}_{12,4}(01|01|012|01|01|03|03, \infty, 1, 2, 3, 6, 7) \Rightarrow 01|01|012|03|01|03|03, 01|02|023|01|02|01|01, 01|02|013|02|01|02|02, 01|01|023|02|01|02|02, 01|01|012|03|01|01|03, 01|01|012|03|01|03|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|01|01|03|03, \infty, 1, 3, 6, 7) \Rightarrow 01|02|013|01|01|02|02, 01|01|023|02|02|01|01, 01|02|023|01|01|02|02, 01|02|013|01|01|01|02, 01|02|013|01|01|02|01$  (Case 1).

$\mathcal{K}_{12,1}(01|01|012|01|01|03|03, \infty) \Rightarrow 01|02|023|02|02|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|03|01|03$

$\mathcal{K}_{02,2}(01|01|012|01|02|01|01, 1, 4, 7) \Rightarrow 01|01|023|02|03|02|02, 01|02|013|02|03|01|01, 01|02|013|01|03|01|01$  (Case 1).

$\mathcal{K}_{02,4}(01|01|012|01|02|01|01, 1, 7) \Rightarrow 01|02|023|01|03|02|02, 01|01|012|03|02|01|03$  (Case 1).

$\mathcal{K}_{02,1}(01|01|012|01|02|01|01, 7) \Rightarrow 01|02|023|02|03|02|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|01|02|01$  and  $(123645) \Rightarrow 01|01|012|01|01|01|02$

$\mathcal{K}_{12,2}(01|01|012|01|02|01|03, 1, 4, 7) \Rightarrow 01|01|023|02|03|02|01, 01|02|013|02|03|01|02, 01|02|013|01|03|01|01$  (Case 1).

$\mathcal{K}_{12,4}(01|01|012|01|02|01|03, 1, 7) \Rightarrow 01|02|023|01|03|02|01, 01|01|012|03|02|01|01$  (Case 1).

$\mathcal{K}_{12,1}(01|01|012|01|02|01|03, 7) \Rightarrow 01|02|023|02|03|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|01|02|03$

$\mathcal{K}_{12,4}(01|01|012|01|02|01|13, \infty, 1, 2, 6, 7) \Rightarrow 01|01|012|03|12|01|03, 01|02|023|01|23|02|01, 01|02|013|02|13|01|02, 01|01|012|03|12|03|03, 01|01|012|03|12|01|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|01|02|01|13, \infty, 1, 6, 7) \Rightarrow 01|02|013|01|13|01|02, 01|01|023|02|23|02|01, 01|02|013|01|13|01|02, 01|02|013|01|13|01|01$  (Case 1).

$\mathcal{K}_{12,1}(01|01|012|01|02|01|13, \infty, 6, 7) \Rightarrow 01|02|023|02|23|02|01, 01|02|023|02|23|01|01, 01|02|023|02|23|02|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|01|02|13$

$\mathcal{K}_{02,2}(01|01|012|01|02|12|01, 1, 4, 7) \Rightarrow 01|01|023|02|23|03|02, 01|02|013|02|13|03|01, 01|02|013|01|13|03|01$  (Case 1).

$\mathcal{K}_{02,4}(01|01|012|01|02|12|01, 1, 7) \Rightarrow 01|02|023|01|23|03|02, 01|01|012|03|12|02|03$  (Case 1).

$\mathcal{K}_{02,1}(01|01|012|01|02|12|01, 7) \Rightarrow 01|02|023|02|23|03|01$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|01|012|01|02|01|12$  and  $(123564) \Rightarrow 01|01|012|01|01|02|12$

$\mathcal{K}_{01,1}(01|01|012|01|02|12|12, \infty, 2, 4) \Rightarrow 01|02|023|02|23|03|03, 01|01|023|02|23|03|03, 01|02|023|01|23|03|01$  (Case 1).

$\mathcal{K}_{01,2}(01|01|012|01|02|12|12, \infty, 4) \Rightarrow 01|02|013|01|13|03|03, 01|02|013|02|13|03|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|012|01|02|12|12, \infty) \Rightarrow 01|01|012|03|12|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|02|12|02$

$\mathcal{K}_{13,2}(01|01|012|01|02|13|03, \infty, 3, 4, 7) \Rightarrow 01|02|013|01|03|12|02, 01|02|023|01|03|12|02, 01|02|013|02|03|12|02, 01|02|013|01|03|12|01$  (Case 1).

$\mathcal{K}_{13,4}(01|01|012|01|02|13|03, \infty, 3, 7) \Rightarrow 01|01|012|03|02|13|03, 01|01|023|02|03|12|02, 01|01|012|03|02|13|02, 01|01|012|03|02|13|01$  (Case 1).

$\mathcal{K}_{13,1}(01|01|012|01|02|13|03, \infty) \Rightarrow 01|02|023|02|03|12|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|03|12|13, (123645) \Rightarrow 01|01|012|01|03|13|12$  and  $(123654) \Rightarrow 01|01|012|01|03|13|02$

$\mathcal{K}_{12,4}(01|01|012|01|02|13|13, \infty, 1, 2, 6, 7) \Rightarrow 01|01|012|03|12|03|03, 01|02|023|01|23|01|01, 01|02|013|02|13|02|02, 01|01|012|03|12|01|03, 01|01|012|03|12|03|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|01|02|13|13, \infty, 1, 6, 7) \Rightarrow 01|02|013|01|13|02|02, 01|01|023|02|23|01|01, 01|02|013|01|13|02|01, 01|02|013|01|13|02|01$  (Case 1).

$\mathcal{K}_{12,1}(01|01|012|01|02|13|13, \infty, 6, 7) \Rightarrow 01|02|023|02|23|01|01, 01|02|023|02|23|02|01, 01|02|023|02|23|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|03|12|03$

$\mathcal{K}_{13,4}(01|01|012|01|03|01|01, 2, 3, 6, 7) \Rightarrow 01|02|013|02|12|01|01, 01|01|023|02|12|01|01, 01|01|012|03|13|03|01, 01|01|012|03|13|01|03$  (Case 1).

$\mathcal{K}_{13,2}(01|01|012|01|03|01|01, 3, 6, 7) \Rightarrow 01|02|023|01|12|01|01, 01|02|013|01|12|02|01, 01|02|013|01|12|01|01, 01|02|013|01|12|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|01|03|01$

$\mathcal{K}_{01,4}(01|01|012|01|03|01|02, 1, 2, 3, 5) \Rightarrow 01|02|023|01|01|02|03, 01|02|013|02|02|01|03, 01|01|023|02|02|01|01, 01|01|012|03|01|01|02$  (Case 1).

$\mathcal{K}_{01,2}(01|01|012|01|03|01|02, 1, 3, 5) \Rightarrow 01|01|023|02|01|02|03, 01|02|023|01|02|01|03, 01|02|013|01|01|01|01, 01|01|012|03|01|01|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|01|03|02$

$\mathcal{K}_{02,2}(01|01|012|01|03|12|01, \infty, 3, 4, 7) \Rightarrow 01|02|013|01|12|03|01, 01|02|023|01|12|03|01, 01|02|013|02|12|02|01, 01|02|013|01|12|03|02$  (Case 1).

$\mathcal{K}_{02,4}(01|01|012|01|03|12|01, \infty, 3, 7) \Rightarrow 01|01|012|03|13|02|01, 01|01|023|02|12|03|01, 01|01|012|03|13|02|01, 01|01|012|03|13|02|01$  (Case 1).

$\mathcal{K}_{02,1}(01|01|012|01|03|12|01, \infty) \Rightarrow 01|02|023|02|12|03|02$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|01|012|01|03|01|12, (123546) \Rightarrow 01|01|012|01|02|13|01$  and  $(123564) \Rightarrow 01|01|012|01|01|03|12$

$\mathcal{K}_{01,2}(01|01|012|01|03|12|02, 1, 4, 5) \Rightarrow 01|01|023|02|01|23|03, 01|02|013|02|02|13|03, 01|02|013|01|01|13|03, 01|02|013|01|01|13|01$  (Case 1).

$\mathcal{K}_{01,4}(01|01|012|01|03|12|02, 1, 5) \Rightarrow 01|02|023|01|01|23|03, 01|01|012|03|01|12|02$  (Case 1).  
 $\mathcal{K}_{01,1}(01|01|012|01|03|12|02, 5) \Rightarrow 01|02|023|02|02|23|03$  (Case 1).  
 Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|02|13|12, (123645) \Rightarrow 01|01|012|01|02|12|13$   
 and  $(123654) \Rightarrow 01|01|012|01|02|12|03$

$\mathcal{K}_{01,2}(01|01|012|01|03|12|12, 3, 4) \Rightarrow 01|02|023|01|12|03|03, 01|02|013|02|12|03|03$  (Case 1).  
 $\mathcal{K}_{01,3}(01|01|012|01|03|12|12, 4) \Rightarrow 01|01|023|02|12|03|03$  (Case 1).  
 Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|02|13|02$

$\mathcal{K}_{12,4}(01|01|012|01|03|13|01, 2, 3, 6, 7) \Rightarrow 01|02|013|02|12|02|01, 01|01|023|02|12|02|01, 01|01|012|03|13|01|01|01|012|03|13|03|03$  (Case 1).  
 $\mathcal{K}_{12,2}(01|01|012|01|03|13|01, 3, 6, 7) \Rightarrow 01|02|023|01|12|02|01, 01|02|013|01|12|01|01, 01|02|013|01|12|02|01$   
 (Case 1).  
 Free by vertex permutation:  $(123465) \Rightarrow 01|01|012|01|03|01|13$  and  $(123564) \Rightarrow 01|01|012|01|01|03|13$

$\mathcal{K}_{13,4}(01|01|012|01|03|13|13, 2, 3, 6, 7) \Rightarrow 01|02|013|02|12|02|02, 01|01|023|02|12|02|02, 01|01|012|03|13|01|01|01|012|03|13|03|01$  (Case 1).  
 $\mathcal{K}_{13,2}(01|01|012|01|03|13|13, 3, 6, 7) \Rightarrow 01|02|023|01|12|02|02, 01|02|013|01|12|01|02, 01|02|013|01|12|02|01$   
 (Case 1).  
 Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|01|03|13|03$

$\mathcal{K}_{03,4}(01|01|012|02|01|01|02, \infty, 1, 2, 5, 6, 7) \Rightarrow 01|01|012|23|01|01|02, 01|02|023|13|02|02|23, 01|02|013|23|01|01|13, 01|01|012|23|03|01|12, 01|01|012|23|01|03|12, 01|01|012|23|01|01|23$  (Case 1).  
 $\mathcal{K}_{03,2}(01|01|012|02|01|01|02, \infty, 1, 5, 6, 7) \Rightarrow 01|02|013|13|01|01|13, 01|01|023|23|02|02|23, 01|02|013|13|02|01|13, 01|02|013|13|01|02|13, 01|02|013|13|01|01|23$  (Case 1).  
 $\mathcal{K}_{03,1}(01|01|012|02|01|01|02, \infty) \Rightarrow 01|02|023|23|02|02|23$  (Case 1).

$\mathcal{K}_{01,4}(01|01|012|02|01|01|12, 1, 2, 5, 6) \Rightarrow 01|02|023|13|02|02|03, 01|02|013|23|01|01|03, 01|01|012|23|03|01|01|01|012|23|01|03|02$  (Case 1).  
 $\mathcal{K}_{01,2}(01|01|012|02|01|01|12, 1, 5, 6) \Rightarrow 01|01|023|23|02|02|03, 01|02|013|13|02|01|03, 01|02|013|13|01|02|01$   
 (Case 1).

$\mathcal{K}_{12,4}(01|01|012|02|01|01|23, \infty, 1, 2, 5, 6, 7) \Rightarrow 01|01|012|23|01|01|23, 01|02|023|13|02|02|13, 01|02|013|23|01|01|23, 01|01|012|23|03|01|23, 01|01|012|23|01|03|23, 01|01|012|23|01|01|02$  (Case 1).  
 $\mathcal{K}_{12,2}(01|01|012|02|01|01|23, \infty, 1, 5, 6, 7) \Rightarrow 01|02|013|13|01|01|23, 01|01|023|23|02|02|13, 01|02|013|13|02|01|23, 01|02|013|13|01|02|23, 01|02|013|13|01|01|13$  (Case 1).  
 $\mathcal{K}_{12,1}(01|01|012|02|01|01|23, \infty) \Rightarrow 01|02|023|23|02|02|13$  (Case 1).

$\mathcal{K}_{01,2}(01|01|012|02|01|02|02, 3, 5) \Rightarrow 01|02|023|03|01|03|03, 01|02|013|03|02|03|03$  (Case 1).  
 $\mathcal{K}_{01,3}(01|01|012|02|01|02|02, 5) \Rightarrow 01|01|023|02|03|02|02$  (Case 1).  
 Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|02|01|02$  and  $(123645) \Rightarrow 01|01|012|02|02|02|01$

$\mathcal{K}_{01,2}(01|01|012|02|01|02|12, 1, 4, 5) \Rightarrow 01|01|023|23|02|23|03, 01|02|013|23|01|13|03, 01|02|013|13|02|13|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|012|02|01|02|12, 1, 5) \Rightarrow 01|02|023|13|02|23|03, 01|01|012|23|03|12|02$  (Case 1).

$\mathcal{K}_{01,1}(01|01|012|02|01|02|12, 5) \Rightarrow 01|02|023|23|01|23|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|02|01|12$

$\mathcal{K}_{12,4}(01|01|012|02|01|02|23, \infty, 1, 2, 3, 5, 7) \Rightarrow 01|01|012|23|01|02|23, 01|02|023|13|02|23|13, 01|02|013|23|01|13|23, 01|01|023|23|01|12|23, 01|01|012|23|03|12|23, 01|01|012|23|01|02|02$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|02|01|02|23, \infty, 1, 5, 7) \Rightarrow 01|02|013|13|01|13|23, 01|01|023|23|02|23|13, 01|02|013|13|02|13|01|02|013|13|01|13|13$  (Case 1).

$\mathcal{K}_{12,1}(01|01|012|02|01|02|23, \infty, 5, 7) \Rightarrow 01|02|023|23|02|23|13, 01|02|023|23|01|23|13, 01|02|023|23|02|23|13$  (Case 1).

$\mathcal{K}_{12,3}(01|01|012|02|01|02|23, 7) \Rightarrow 01|01|023|12|01|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|02|01|23$

$\mathcal{K}_{13,4}(01|01|012|02|01|03|23, 2, 3, 5, 7) \Rightarrow 01|02|013|23|01|12|23, 01|01|023|23|01|12|23, 01|01|012|23|03|13|01|01|012|23|01|03|02$  (Case 1).

$\mathcal{K}_{13,2}(01|01|012|02|01|03|23, 3, 5, 7) \Rightarrow 01|02|023|13|01|12|23, 01|02|013|13|02|12|23, 01|02|013|13|01|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|03|01|23$

$\mathcal{K}_{01,1}(01|01|012|02|01|12|12, \infty, 2, 4) \Rightarrow 01|02|023|23|02|03|03, 01|01|023|23|02|03|03, 01|02|023|13|02|03|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|012|02|01|12|12, \infty, 4) \Rightarrow 01|02|013|13|01|03|03, 01|02|013|23|01|03|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|012|02|01|12|12, \infty) \Rightarrow 01|01|012|23|01|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|12|01|12$

$\mathcal{K}_{02,4}(01|01|012|02|01|12|23, 1, 2, 3, 7) \Rightarrow 01|02|023|13|02|03|13, 01|02|013|23|01|03|23, 01|01|023|23|01|02|12$  (Case 1).

$\mathcal{K}_{02,7}(01|01|012|02|01|12|23, 1, 2, 3) \Rightarrow 01|02|023|23|02|03|23, 01|02|013|13|01|03|13, 01|01|023|12|01|02|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|12|01|23$

$\mathcal{K}_{03,4}(01|01|012|02|01|13|23, \infty, 1, 2, 3, 6, 7) \Rightarrow 01|01|012|23|01|03|23, 01|02|023|13|02|01|13, 01|02|013|23|01|02|23, 01|01|023|23|01|02|23, 01|01|012|23|01|01|23, 01|01|012|23|01|03|12$  (Case 1).

$\mathcal{K}_{03,2}(01|01|012|02|01|13|23, \infty, 1, 3, 6, 7) \Rightarrow 01|02|013|13|01|02|23, 01|01|023|23|02|01|13, 01|02|023|13|01|02|23, 01|02|013|13|01|01|23, 01|02|013|13|01|02|13$  (Case 1).

$\mathcal{K}_{03,1}(01|01|012|02|01|13|23, \infty) \Rightarrow 01|02|023|23|02|01|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|13|01|23$

$\mathcal{K}_{01,1}(01|01|012|02|02|12|12, \infty, 2, 4) \Rightarrow 01|02|023|23|23|03|03, 01|01|023|23|23|02|02, 01|02|023|13|23|03|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|012|02|02|12|12, \infty, 4) \Rightarrow 01|02|013|13|13|03|03, 01|02|013|23|13|03|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|012|02|02|12|12, \infty) \Rightarrow 01|01|012|23|02|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|12|02|12, (132456) \Rightarrow 01|02|012|01|02|12|12, (132546) \Rightarrow 01|02|012|01|12|02|12, (231456) \Rightarrow 01|02|012|02|01|12|12$  and  $(231546) \Rightarrow 01|02|012|02|12|01|12$

$\mathcal{K}_{03,4}(01|01|012|02|03|01|02, 2, 3, 6, 7) \Rightarrow 01|02|013|23|12|01|13, 01|01|023|23|12|01|13, 01|01|012|23|03|13, 01|01|012|23|03|01|23$  (Case 1).

$\mathcal{K}_{03,2}(01|01|012|02|03|01|02, 3, 6, 7) \Rightarrow 01|02|023|13|12|01|13, 01|02|013|13|12|02|13, 01|02|013|13|12|01|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|01|03|02$

$\mathcal{K}_{01,2}(01|01|012|02|03|01|12, \infty, 3, 4, 6) \Rightarrow 01|02|013|13|12|01|03, 01|02|023|13|12|01|03, 01|02|013|23|12|01|03, 01|02|013|13|12|02|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|012|02|03|01|12, \infty, 3, 6) \Rightarrow 01|01|012|23|03|01|12, 01|01|023|23|12|01|03, 01|01|012|23|03|13|01|12$  (Case 1).

$\mathcal{K}_{01,1}(01|01|012|02|03|01|12, \infty) \Rightarrow 01|02|023|23|12|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|01|03|12$

$\mathcal{K}_{12,4}(01|01|012|02|12|02|23, 1, 2, 3, 7) \Rightarrow 01|02|023|13|03|23|13, 01|02|013|23|03|13|23, 01|01|023|23|02|12|13, 01|01|012|23|02|12|12$  (Case 1).

$\mathcal{K}_{12,7}(01|01|012|02|12|02|23, 1, 2, 3) \Rightarrow 01|02|023|23|03|23|23, 01|02|013|13|03|13|13, 01|01|023|12|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|02|12|23$

$\mathcal{K}_{13,2}(01|01|012|02|12|03|23, \infty, 3, 4, 7) \Rightarrow 01|02|013|13|03|12|23, 01|02|023|13|03|12|23, 01|02|013|23|03|13, 01|02|013|13|03|12|13$  (Case 1).

$\mathcal{K}_{13,4}(01|01|012|02|12|03|23, \infty, 3, 7) \Rightarrow 01|01|012|23|02|13|23, 01|01|023|23|02|13|23, 01|01|012|23|02|13|01|12, 01|01|012|23|02|13|01|13$  (Case 1).

$\mathcal{K}_{13,1}(01|01|012|02|12|03|23, \infty) \Rightarrow 01|02|023|23|03|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|03|12|23$

$\mathcal{K}_{03,4}(01|01|012|02|13|01|02, \infty, 1, 2, 3, 5, 7) \Rightarrow 01|01|012|23|03|01|12, 01|02|023|13|01|02|23, 01|02|013|23|02|01|13, 01|01|023|23|02|01|13, 01|01|012|23|01|01|02, 01|01|012|23|03|01|23$  (Case 1).

$\mathcal{K}_{03,2}(01|01|012|02|13|01|02, \infty, 1, 3, 5, 7) \Rightarrow 01|02|013|13|02|01|13, 01|01|023|23|01|02|23, 01|02|023|13|02|01|13, 01|02|013|13|01|01|13, 01|02|013|13|02|01|23$  (Case 1).

$\mathcal{K}_{03,1}(01|01|012|02|13|01|02, \infty) \Rightarrow 01|02|023|23|01|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|01|13|02$

$\mathcal{K}_{01,4}(01|01|012|02|13|01|12, 1, 2, 3, 5) \Rightarrow 01|02|023|13|01|02|03, 01|02|013|23|02|01|03, 01|01|023|23|02|01|03, 01|01|012|23|01|01|02$  (Case 1).

$\mathcal{K}_{01,2}(01|01|012|02|13|01|12, 1, 3, 5) \Rightarrow 01|01|023|23|01|02|03, 01|02|023|13|02|01|03, 01|02|013|13|01|01|02, 01|01|012|23|01|01|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|01|13|12$

$\mathcal{K}_{03,3}(01|01|012|02|13|02|01, \infty, 1, 2, 5, 6) \Rightarrow 01|01|023|12|03|12|01, 01|02|013|23|01|23|02, 01|02|023|13|02|13|01, 01|01|023|12|01|12|01, 01|01|023|12|03|23|01$  (Case 1).

$\mathcal{K}_{03,2}(01|01|012|02|13|02|01, \infty, 1, 5, 6) \Rightarrow 01|02|013|13|02|13|01, 01|01|023|23|01|23|02, 01|02|013|13|01|13|02|13|01, 01|02|013|13|02|23|01$  (Case 1).

$\mathcal{K}_{03,1}(01|01|012|02|13|02|01, \infty, 5, 6) \Rightarrow 01|02|023|23|01|23|02, 01|02|023|23|02|23|02, 01|02|023|23|01|13|02, 01|02|023|23|02|13|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|02|13|01$

$\mathcal{K}_{03,2}(01|01|012|02|13|02|02, \infty, 1, 3, 4, 5, 6, 7) \Rightarrow 01|02|013|13|02|13|13, 01|01|023|23|01|23|23, 01|02|023|13|02|13|13, 01|02|013|23|02|13|13, 01|02|013|13|01|13|13, 01|02|013|13|02|23|13, 01|02|013|13|02|13|13$  (Case 1).

$\mathcal{K}_{03,4}(01|01|012|02|13|02|02, \infty, 5, 7) \Rightarrow 01|01|012|23|03|12|12, 01|01|012|23|01|02|02, 01|01|012|23|03|12|12, 01|01|012|23|03|12|12$  (Case 1).

$\mathcal{K}_{03,3}(01|01|012|02|13|02|02, \infty, 5, 6) \Rightarrow 01|01|023|12|03|12|12, 01|01|023|12|01|12|12, 01|01|023|12|03|23|12, 01|01|023|12|03|23|12$  (Case 1).

$\mathcal{K}_{03,1}(01|01|012|02|13|02|02, \infty) \Rightarrow 01|02|023|23|01|23|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|02|13|02$

$\mathcal{K}_{23,3}(01|01|012|02|13|02|03, 2, 4, 5, 6) \Rightarrow 01|02|023|13|02|13|12, 01|01|023|23|02|13|12, 01|01|023|12|01|12|12, 01|01|023|12|03|23|13$  (Case 1).

$\mathcal{K}_{23,2}(01|01|012|02|13|02|03, 4, 5, 6) \Rightarrow 01|02|013|23|02|13|12, 01|02|013|13|01|13|12, 01|02|013|13|02|23|12, 01|02|013|13|02|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|02|13|03$

$\mathcal{K}_{01,2}(01|01|012|02|13|02|12, 1, 4, 5) \Rightarrow 01|01|023|23|01|23|02, 01|02|013|23|02|13|03, 01|02|013|13|01|13|02, 01|02|013|13|02|13|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|012|02|13|02|12, 1, 5) \Rightarrow 01|02|023|13|01|23|03, 01|01|012|23|01|02|12$  (Case 1).

$\mathcal{K}_{01,1}(01|01|012|02|13|02|12, 5) \Rightarrow 01|02|023|23|02|23|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|02|13|12$

$\mathcal{K}_{12,4}(01|01|012|02|13|02|23, \infty, 1, 2, 3, 5, 7) \Rightarrow 01|01|012|23|03|12|23, 01|02|023|13|01|23|13, 01|02|013|23|02|13|23, 01|01|023|23|02|13|23, 01|01|012|23|01|02|23, 01|01|012|23|03|12|12$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|02|13|02|23, \infty, 1, 5, 7) \Rightarrow 01|02|013|13|02|13|23, 01|01|023|23|01|23|12, 01|02|013|13|01|13|02, 01|02|013|13|02|13|13$  (Case 1).

$\mathcal{K}_{12,1}(01|01|012|02|13|02|23, \infty, 5, 7) \Rightarrow 01|02|023|23|01|23|13, 01|02|023|23|02|23|13, 01|02|023|23|01|23|13, 01|02|023|23|02|23|13$  (Case 1).

$\mathcal{K}_{12,3}(01|01|012|02|13|02|23, 7) \Rightarrow 01|01|023|12|03|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|02|13|23$

$\mathcal{K}_{13,4}(01|01|012|02|13|03|02, 2, 3, 5, 7) \Rightarrow 01|02|013|23|02|12|13, 01|01|023|23|02|12|13, 01|01|012|23|01|03|12, 01|01|012|23|03|13|23$  (Case 1).



$\mathcal{K}_{13,2}(01|01|012|02|13|03|02, 3, 5, 7) \Rightarrow 01|02|023|13|02|12|13, 01|02|013|13|01|12|13, 01|02|013|13|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|03|13|02$

$\mathcal{K}_{13,4}(01|01|012|02|13|03|23, 2, 3, 5, 7) \Rightarrow 01|02|013|23|02|12|23, 01|01|023|23|02|12|23, 01|01|012|23|01|03|01|01|012|23|03|13|12$  (Case 1).

$\mathcal{K}_{13,2}(01|01|012|02|13|03|23, 3, 5, 7) \Rightarrow 01|02|023|13|02|12|23, 01|02|013|13|01|12|23, 01|02|013|13|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|03|13|23$

$\mathcal{K}_{12,7}(01|01|012|03|01|01|13, 1, 2, 5, 6) \Rightarrow 01|02|023|12|02|02|02, 01|02|013|12|01|01|01, 01|01|012|03|13|01|01|01|012|03|01|13|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|03|01|01|13, 1, 5, 6) \Rightarrow 01|01|023|12|02|02|01, 01|02|013|12|02|01|02, 01|02|013|12|01|02|01$  (Case 1).

$\mathcal{K}_{13,7}(01|01|012|03|01|01|23, 1, 2, 5, 6) \Rightarrow 01|02|023|12|02|02|23, 01|02|013|12|01|01|13, 01|01|012|03|13|01|01|01|012|03|01|13|02$  (Case 1).

$\mathcal{K}_{13,2}(01|01|012|03|01|01|23, 1, 5, 6) \Rightarrow 01|01|023|12|02|02|13, 01|02|013|12|02|01|23, 01|02|013|12|01|02|23$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|03|01|02|23, 1, 5, 7) \Rightarrow 01|01|023|12|02|23|13, 01|02|013|12|02|13|23, 01|02|013|12|01|13|13$  (Case 1).

$\mathcal{K}_{12,5}(01|01|012|03|01|02|23, 1, 7) \Rightarrow 01|02|023|12|01|23|13, 01|01|012|03|13|02|02$  (Case 1).

$\mathcal{K}_{12,1}(01|01|012|03|01|02|23, 7) \Rightarrow 01|02|023|12|02|23|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|02|01|23$

$\mathcal{K}_{13,2}(01|01|012|03|01|03|13, \infty, 3, 5, 7) \Rightarrow 01|02|013|12|01|12|02, 01|02|023|12|01|12|02, 01|02|013|12|02|13|01|02|013|12|01|12|01$  (Case 1).

$\mathcal{K}_{13,7}(01|01|012|03|01|03|13, \infty, 3, 5) \Rightarrow 01|01|012|03|01|03|01, 01|01|023|12|01|12|01, 01|01|012|03|13|03|01|01|012|03|01|03|13, \infty$  (Case 1).

$\mathcal{K}_{13,1}(01|01|012|03|01|03|13, \infty) \Rightarrow 01|02|023|12|02|12|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|03|01|13$

$\mathcal{K}_{13,2}(01|01|012|03|01|03|23, \infty, 3, 5, 7) \Rightarrow 01|02|013|12|01|12|23, 01|02|023|12|01|12|23, 01|02|013|12|02|13|01|02|013|12|01|12|13$  (Case 1).

$\mathcal{K}_{13,7}(01|01|012|03|01|03|23, \infty, 3, 5) \Rightarrow 01|01|012|03|01|03|02, 01|01|023|12|01|12|13, 01|01|012|03|13|03|01|01|012|03|01|03|23, \infty$  (Case 1).

$\mathcal{K}_{13,1}(01|01|012|03|01|03|23, \infty) \Rightarrow 01|02|023|12|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|03|01|23$

$\mathcal{K}_{02,1}(01|01|012|03|01|12|23, \infty, 2, 7) \Rightarrow 01|02|023|12|02|03|13, 01|01|023|12|02|03|13, 01|02|023|12|02|03|13$  (Case 1).

$\mathcal{K}_{02,2}(01|01|012|03|01|12|23, \infty, 7) \Rightarrow 01|02|013|12|01|03|23, 01|02|013|12|01|03|13$  (Case 1).

$\mathcal{K}_{02,7}(01|01|012|03|01|12|23, \infty) \Rightarrow 01|01|012|03|01|12|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|12|01|23$

$\mathcal{K}_{12,7}(01|01|012|03|01|13|13, 1, 2, 3, 6) \Rightarrow 01|02|023|12|02|01|02, 01|02|013|12|01|02|01, 01|01|023|12|01|02|01|01|012|03|01|01|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|03|01|13|13, 1, 3, 6) \Rightarrow 01|01|023|12|02|01|01, 01|02|023|12|01|02|02, 01|02|013|12|01|01|01|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|13|01|13$

$\mathcal{K}_{03,7}(01|01|012|03|01|13|23, 1, 2, 3, 6) \Rightarrow 01|02|023|12|02|01|23, 01|02|013|12|01|02|13, 01|01|023|12|01|02|01|01|012|03|01|01|02$  (Case 1).

$\mathcal{K}_{03,2}(01|01|012|03|01|13|23, 1, 3, 6) \Rightarrow 01|01|023|12|02|01|13, 01|02|023|12|01|02|23, 01|02|013|12|01|01|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|13|01|23$

$\mathcal{K}_{12,2}(01|01|012|03|02|01|13, 1, 6, 7) \Rightarrow 01|01|023|12|23|02|01, 01|02|013|12|13|02|02, 01|02|013|12|13|01|02$  (Case 1).

$\mathcal{K}_{12,6}(01|01|012|03|02|01|13, 1, 7) \Rightarrow 01|02|023|12|23|01|01, 01|01|012|03|02|13|01$  (Case 1).

$\mathcal{K}_{12,1}(01|01|012|03|02|01|13, 7) \Rightarrow 01|02|023|12|23|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|01|02|13$

$\mathcal{K}_{02,1}(01|01|012|03|02|12|13, \infty, 2, 7) \Rightarrow 01|02|023|12|23|03|01, 01|01|023|12|23|03|01, 01|02|023|12|23|03|01$  (Case 1).

$\mathcal{K}_{02,2}(01|01|012|03|02|12|13, \infty, 7) \Rightarrow 01|02|013|12|13|03|02, 01|02|013|12|13|03|01$  (Case 1).

$\mathcal{K}_{02,7}(01|01|012|03|02|12|13, \infty) \Rightarrow 01|01|012|03|02|12|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|12|02|13$

$\mathcal{K}_{13,2}(01|01|012|03|02|13|13, 1, 6, 7) \Rightarrow 01|01|023|12|23|01|01, 01|02|013|12|13|01|02, 01|02|013|12|13|02|01$  (Case 1).

$\mathcal{K}_{13,6}(01|01|012|03|02|13|13, 1, 7) \Rightarrow 01|02|023|12|23|02|01, 01|01|012|03|02|01|01$  (Case 1).

$\mathcal{K}_{13,1}(01|01|012|03|02|13|13, 7) \Rightarrow 01|02|023|12|23|01|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|13|02|13$

$\mathcal{K}_{13,2}(01|01|012|03|03|13|13, \infty, 3, 6, 7) \Rightarrow 01|02|013|12|12|02|02, 01|02|023|12|12|02|02, 01|02|013|12|12|01|02|013|12|12|02|01$  (Case 1).

$\mathcal{K}_{13,7}(01|01|012|03|03|13|13, \infty, 3, 6) \Rightarrow 01|01|012|03|03|13|01, 01|01|023|12|12|02|01, 01|01|012|03|03|01|01$  (Case 1).

$\mathcal{K}_{13,1}(01|01|012|03|03|13|13, \infty) \Rightarrow 01|02|023|12|12|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|13|03|13$

$\mathcal{K}_{12,1}(01|01|012|03|12|01|13, \infty, 2, 7) \Rightarrow 01|02|023|12|03|02|01, 01|01|023|12|03|02|01, 01|02|023|12|03|02|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|03|12|01|13, \infty, 7) \Rightarrow 01|02|013|12|03|01|02, 01|02|013|12|03|01|01$  (Case 1).

$\mathcal{K}_{12,7}(01|01|012|03|12|01|13, \infty) \Rightarrow 01|01|012|03|12|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|01|12|13$

$\mathcal{K}_{12,1}(01|01|012|03|12|02|23, \infty, 2, 7) \Rightarrow 01|02|023|12|03|23|13, 01|01|023|12|03|23|13, 01|02|023|12|03|23|13$  (Case 1).

$\mathcal{K}_{12,2}(01|01|012|03|12|02|23, \infty, 7) \Rightarrow 01|02|013|12|03|13|23, 01|02|013|12|03|13|13$  (Case 1).

$\mathcal{K}_{12,7}(01|01|012|03|12|02|23, \infty) \Rightarrow 01|01|012|03|12|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|02|12|23$

$\mathcal{K}_{13,2}(01|01|012|03|12|03|13, 3, 7) \Rightarrow 01|02|023|12|03|12|02, 01|02|013|12|03|12|01$  (Case 1).

$\mathcal{K}_{13,3}(01|01|012|03|12|03|13, 7) \Rightarrow 01|01|023|12|03|12|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|03|12|13$

$\mathcal{K}_{13,2}(01|01|012|03|12|03|23, 3, 7) \Rightarrow 01|02|023|12|03|12|23, 01|02|013|12|03|12|13$  (Case 1).

$\mathcal{K}_{13,3}(01|01|012|03|12|03|23, 7) \Rightarrow 01|01|023|12|03|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|03|12|23$

$\mathcal{K}_{12,2}(01|01|012|03|13|02|23, 1, 5, 7) \Rightarrow 01|01|023|12|01|23|13, 01|02|013|12|01|13|23, 01|02|013|12|02|13|13$  (Case 1).

$\mathcal{K}_{12,5}(01|01|012|03|13|02|23, 1, 7) \Rightarrow 01|02|023|12|02|23|13, 01|01|012|03|01|02|02$  (Case 1).

$\mathcal{K}_{12,1}(01|01|012|03|13|02|23, 7) \Rightarrow 01|02|023|12|01|23|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|02|13|23$

$\mathcal{K}_{13,2}(01|01|012|03|13|03|23, \infty, 3, 5, 7) \Rightarrow 01|02|013|12|02|12|23, 01|02|023|12|02|12|23, 01|02|013|12|01|13|23$  (Case 1).

$\mathcal{K}_{13,7}(01|01|012|03|13|03|23, \infty, 3, 5) \Rightarrow 01|01|012|03|13|03|02, 01|01|023|12|02|12|13, 01|01|012|03|01|03|13$  (Case 1).

$\mathcal{K}_{13,1}(01|01|012|03|13|03|23, \infty) \Rightarrow 01|02|023|12|01|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|03|03|13|23$

$\mathcal{K}_{02,2}(01|01|012|23|01|02|03, 1, 3, 5) \Rightarrow 01|01|023|12|03|02|01, 01|02|023|23|01|03|02, 01|02|013|23|02|03|01$  (Case 1).

$\mathcal{K}_{02,3}(01|01|012|23|01|02|03, 1, 5) \Rightarrow 01|02|013|13|02|03|01, 01|01|023|23|02|03|02$  (Case 1).

$\mathcal{K}_{02,1}(01|01|012|23|01|02|03, 5) \Rightarrow 01|02|023|13|01|03|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|23|02|01|03$

$\mathcal{K}_{23,2}(01|01|012|23|02|01|13, \infty, 3, 4, 6) \Rightarrow 01|02|013|23|03|01|12, 01|02|023|23|03|01|12, 01|02|013|13|03|01|12$  (Case 1).

$\mathcal{K}_{23,3}(01|01|012|23|02|01|13, \infty, 4, 6) \Rightarrow 01|01|023|23|02|01|13, 01|01|023|12|02|01|13, 01|01|023|23|02|03|01|13$  (Case 1).

$\mathcal{K}_{23,1}(01|01|012|23|02|01|13, \infty) \Rightarrow 01|02|023|13|03|02|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|23|01|02|13$

$\mathcal{K}_{23,2}(01|01|012|23|02|12|13, \infty, 3, 4, 6) \Rightarrow 01|02|013|23|03|13|12, 01|02|023|23|03|13|12, 01|02|013|13|03|12, 01|02|013|23|03|23|12$  (Case 1).

$\mathcal{K}_{23,3}(01|01|012|23|02|12|13, \infty, 4, 6) \Rightarrow 01|01|023|23|02|12|13, 01|01|023|12|02|12|13, 01|01|023|23|02|23|12$  (Case 1).

$\mathcal{K}_{23,1}(01|01|012|23|02|12|13, \infty) \Rightarrow 01|02|023|13|03|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|23|02|12|03, (124536) \Rightarrow 01|01|012|02|23|12|03$  and  $(125436) \Rightarrow 01|01|012|02|12|23|03$

$\mathcal{K}_{03,3}(01|01|012|23|02|13|13, \infty, 1, 2, 5, 6) \Rightarrow 01|01|023|23|12|03|03, 01|02|013|13|23|01|01, 01|02|023|23|13|02|02, 01|01|023|23|23|02|02, 01|01|023|23|12|01|03$  (Case 1).

$\mathcal{K}_{03,2}(01|01|012|23|02|13|13, \infty, 1, 5, 6) \Rightarrow 01|02|013|23|13|02|02, 01|01|023|12|23|01|01, 01|02|013|23|23|01|01, 01|02|013|23|13|01|02$  (Case 1).

$\mathcal{K}_{03,1}(01|01|012|23|02|13|13, \infty, 5, 6) \Rightarrow 01|02|023|13|23|01|01, 01|02|023|13|13|01|01, 01|02|023|13|23|02|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|23|03|12|03$

$\mathcal{K}_{12,4}(01|01|023|01|01|02|02, \infty, 1, 2, 3, 5, 7) \Rightarrow 01|01|023|02|01|02|02, 01|02|013|01|02|01|01, 01|02|023|02|01|02|02, 01|01|012|03|01|03|03, 01|01|023|02|02|02|02, 01|01|023|02|01|02|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|023|01|01|02|02, \infty, 1, 3, 5, 7) \Rightarrow 01|02|023|01|01|02|02, 01|01|012|03|03|01|01, 01|02|013|01|01|02|02, 01|02|023|01|02|02|02, 01|02|023|01|01|02|01$  (Case 1).

$\mathcal{K}_{12,1}(01|01|023|01|01|02|02, \infty) \Rightarrow 01|02|013|02|02|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|01|02$

$\mathcal{K}_{12,2}(01|01|023|01|01|12|12, 1, 4, 7) \Rightarrow 01|01|023|12|12|01|01, 01|02|123|02|01|02|02, 01|02|123|01|01|02|01, 01|02|123|01|12|01|02$  (Case 1).

$\mathcal{K}_{12,4}(01|01|023|01|01|12|12, 1, 7) \Rightarrow 01|02|123|01|02|01|01, 01|01|023|12|01|12|01$  (Case 1).

$\mathcal{K}_{12,1}(01|01|023|01|01|12|12, 7) \Rightarrow 01|02|123|02|02|01|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|12|01|12$

$\mathcal{K}_{13,2}(01|01|023|01|02|01|01, \infty, 4, 6, 7) \Rightarrow 01|02|123|01|12|01|01, 01|02|123|02|12|01|01, 01|02|123|01|12|01|01, 01|02|123|01|12|01|02$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|01|02|01|01, \infty, 6, 7) \Rightarrow 01|01|023|12|02|01|01, 01|01|023|12|02|12|01, 01|01|023|12|02|01|01, 01|01|023|12|02|01|01$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|01|02|01|01, \infty) \Rightarrow 01|02|123|02|12|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|01|02|01$

$\mathcal{K}_{01,4}(01|01|023|01|02|01|03, 1, 2, 3, 6) \Rightarrow 01|02|013|01|01|02|03, 01|02|023|02|02|01|03, 01|01|012|03|03|01|01, 01|01|023|02|02|02|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|01|02|01|03, 1, 3, 6) \Rightarrow 01|01|012|03|01|03|02, 01|02|013|01|02|01|03, 01|02|023|01|02|02|01, 01|01|012|03|03|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|01|02|03$ ,  $(145236) \Rightarrow 01|02|023|01|01|01|03$ ,  
 $(145326) \Rightarrow 01|01|023|02|01|01|03$  and  $(245136) \Rightarrow 01|02|013|02|02|02|03$

$\mathcal{K}_{01,2}(01|01|023|01|02|01|13, 4, 6) \Rightarrow 01|02|123|02|12|01|03$ ,  $01|02|123|01|12|02|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|02|01|13, 6) \Rightarrow 01|01|023|12|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|01|02|13$

$\mathcal{K}_{13,2}(01|01|023|01|02|02|01, 4, 7) \Rightarrow 01|02|123|02|12|12|01$ ,  $01|02|123|01|12|12|02$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|01|02|02|01, 7) \Rightarrow 01|01|023|12|02|02|12$  (Case 1).

$\mathcal{K}_{12,4}(01|01|023|01|02|02|02, \infty, 1, 2, 5, 6, 7) \Rightarrow 01|01|023|02|02|02|02$ ,  $01|02|013|01|01|01|01$ ,  
 $01|02|023|02|02|02|02$ ,  $01|01|023|02|01|02|02$ ,  $01|01|023|02|02|01|02$ ,  $01|01|023|02|02|02|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|023|01|02|02|02, \infty, 1, 5, 6, 7) \Rightarrow 01|02|023|01|02|02|02$ ,  $01|01|012|03|01|01|01$ ,  
 $01|02|023|01|01|02|02$ ,  $01|02|023|01|02|01|02$ ,  $01|02|023|01|02|02|01$  (Case 1).

$\mathcal{K}_{12,1}(01|01|023|01|02|02|02, \infty) \Rightarrow 01|02|013|02|01|01|01$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|02|02|03, 1, 2, 5, 6) \Rightarrow 01|02|013|01|01|01|03$ ,  $01|02|023|02|02|02|03$ ,  $01|01|023|02|01|02|03$ ,  
 $01|01|023|02|02|01|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|01|02|02|03, 1, 5, 6) \Rightarrow 01|01|012|03|01|01|02$ ,  $01|02|023|01|01|02|03$ ,  $01|02|023|01|02|01|03$ ,  
 $01|02|023|01|02|02|03$  (Case 1).

$\mathcal{K}_{13,2}(01|01|023|01|02|02|12, 4, 7) \Rightarrow 01|02|123|02|12|12|02$ ,  $01|02|123|01|12|12|01$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|01|02|02|12, 7) \Rightarrow 01|01|023|12|02|02|01$  (Case 1).

Free by vertex permutation:  $(124356) \Rightarrow 01|01|023|02|01|02|12$  and  $(125346) \Rightarrow 01|01|023|02|02|01|12$

$\mathcal{K}_{03,2}(01|01|023|01|02|03|01, \infty, 4, 6, 7) \Rightarrow 01|02|123|01|12|13|01$ ,  $01|02|123|02|12|13|01$ ,  $01|02|123|01|12|13|02$ ,  
 $01|02|123|01|12|13|02$  (Case 1).

$\mathcal{K}_{03,4}(01|01|023|01|02|03|01, \infty, 6, 7) \Rightarrow 01|01|023|12|02|03|01$ ,  $01|01|023|12|02|23|01$ ,  $01|01|023|12|02|03|02$ ,  
 $01|01|023|12|02|03|03$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|01|02|03|01, \infty) \Rightarrow 01|02|123|02|12|23|02$  (Case 1).

$\mathcal{K}_{01,1}(01|01|023|01|02|03|03, \infty, 2, 4) \Rightarrow 01|02|013|02|01|03|03$ ,  $01|01|012|03|01|02|02$ ,  $01|02|013|01|01|03|02$ ,  
 $01|02|013|01|01|03|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|01|02|03|03, \infty, 4) \Rightarrow 01|02|023|01|02|03|03$ ,  $01|02|023|02|02|03|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|02|03|03, \infty) \Rightarrow 01|01|023|02|02|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|03|02$

$\mathcal{K}_{01,2}(01|01|023|01|02|03|13, 4, 6) \Rightarrow 01|02|123|02|12|13|03$ ,  $01|02|123|01|12|23|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|02|03|13, 6) \Rightarrow 01|01|023|12|02|23|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|03|12$ ,  $(124536) \Rightarrow 01|01|023|02|01|03|12$   
and  $(125436) \Rightarrow 01|01|023|02|03|01|12$

$\mathcal{K}_{13,2}(01|01|023|01|02|12|12, \infty, 4, 6, 7) \Rightarrow 01|02|123|01|12|02|02, 01|02|123|02|12|02|02, 01|02|123|01|12|01|02|02, 01|02|123|01|12|02|01$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|01|02|12|12, \infty, 6, 7) \Rightarrow 01|01|023|12|02|12|12, 01|01|023|12|02|01|12, 01|01|023|12|02|12|01|12$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|01|02|12|12, \infty) \Rightarrow 01|02|123|02|12|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|12|02|12$

$\mathcal{K}_{01,2}(01|01|023|01|02|12|13, 4, 6) \Rightarrow 01|02|123|02|12|02|03, 01|02|123|01|12|01|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|02|12|13, 6) \Rightarrow 01|01|023|12|02|01|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|12|02|13$

$\mathcal{K}_{13,2}(01|01|023|01|02|13|03, \infty, 3, 4, 7) \Rightarrow 01|02|023|01|03|12|02, 01|02|013|01|03|12|02, 01|02|023|02|03|12|02, 01|02|023|01|03|12|01$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|01|02|13|03, \infty, 3, 7) \Rightarrow 01|01|023|02|03|12|02, 01|01|012|03|02|13|03, 01|01|023|02|03|12|01|12$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|01|02|13|03, \infty) \Rightarrow 01|02|013|02|03|12|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|12|03|02, (123645) \Rightarrow 01|01|023|01|12|02|03$  and  $(123654) \Rightarrow 01|01|023|01|02|12|03$

$\mathcal{K}_{12,2}(01|01|023|01|02|13|13, 1, 4, 7) \Rightarrow 01|01|023|12|23|01|01, 01|02|123|02|13|02|02, 01|02|123|01|13|02|01$  (Case 1).

$\mathcal{K}_{12,4}(01|01|023|01|02|13|13, 1, 7) \Rightarrow 01|02|123|01|23|01|01, 01|01|023|12|03|12|01$  (Case 1).

$\mathcal{K}_{12,1}(01|01|023|01|02|13|13, 7) \Rightarrow 01|02|123|02|23|01|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|12|03|12$

$\mathcal{K}_{01,2}(01|01|023|01|02|23|13, 4, 6) \Rightarrow 01|02|123|02|12|23|03, 01|02|123|01|12|13|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|02|23|13, 6) \Rightarrow 01|01|023|12|02|03|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|23|02|13$

$\mathcal{K}_{12,2}(01|01|023|01|12|01|01, 1, 4, 7) \Rightarrow 01|01|023|12|01|12|12, 01|02|123|02|02|01|01, 01|02|123|01|02|01|02$  (Case 1).

$\mathcal{K}_{12,4}(01|01|023|01|12|01|01, 1, 7) \Rightarrow 01|02|123|01|01|02|02, 01|01|023|12|12|01|12$  (Case 1).

$\mathcal{K}_{12,1}(01|01|023|01|12|01|01, 7) \Rightarrow 01|02|123|02|01|02|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|01|12|01$

$\mathcal{K}_{12,4}(01|01|023|01|12|01|02, 2, 3, 6, 7) \Rightarrow 01|02|023|02|12|01|02, 01|01|012|03|13|01|03, 01|01|023|02|12|02|01|01, 01|01|023|02|12|01|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|023|01|12|01|02, 3, 6, 7) \Rightarrow 01|02|013|01|12|01|02, 01|02|023|01|12|02|02, 01|02|023|01|12|01|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|01|12|02, (145236) \Rightarrow 01|02|123|01|01|01|12, (145263) \Rightarrow 01|02|123|12|01|01|01, (145362) \Rightarrow 01|02|023|12|01|01|01, (245136) \Rightarrow 01|02|123|02|02|02|12, (245163) \Rightarrow 01|02|123|12|02|02|02, (245361) \Rightarrow 01|02|013|12|02|02|02, (345162) \Rightarrow 01|02|023|12|12|12|12$  and  $(345261) \Rightarrow 01|02|013|12|12|12|12$

$\mathcal{K}_{01,1}(01|01|023|01|12|01|13, \infty, 2, 4) \Rightarrow 01|02|123|02|01|02|03, 01|01|023|12|01|12|13, 01|02|123|01|01|02|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|01|12|01|13, \infty, 4) \Rightarrow 01|02|123|01|02|01|03, 01|02|123|02|02|01|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|12|01|13, \infty) \Rightarrow 01|01|023|12|12|01|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|01|12|13$

$\mathcal{K}_{13,2}(01|01|023|01|12|02|01, \infty, 4, 5, 7) \Rightarrow 01|02|123|01|02|12|01, 01|02|123|02|02|12|01, 01|02|123|01|01|12|01|02|123|01|02|12|02$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|01|12|02|01, \infty, 5, 7) \Rightarrow 01|01|023|12|12|02|01, 01|01|023|12|01|02|01, 01|01|023|12|12|02|01$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|01|12|02|01, \infty) \Rightarrow 01|02|123|02|01|12|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|12|01, (123645) \Rightarrow 01|01|023|01|02|01|12$  and  $(123654) \Rightarrow 01|01|023|01|01|02|12$

$\mathcal{K}_{13,4}(01|01|023|01|12|02|02, 2, 3, 6, 7) \Rightarrow 01|02|023|02|12|02|02, 01|01|012|03|13|03|03, 01|01|023|02|12|01|01|023|02|12|02|01$  (Case 1).

$\mathcal{K}_{13,2}(01|01|023|01|12|02|02, 3, 6, 7) \Rightarrow 01|02|013|01|12|02|02, 01|02|023|01|12|01|02, 01|02|023|01|12|02|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|12|02, (145236) \Rightarrow 01|02|123|12|01|01|12, (245136) \Rightarrow 01|02|123|12|02|02|12, (345126) \Rightarrow 01|02|023|12|12|12|02, (345216) \Rightarrow 01|02|013|12|12|12|01, (645123) \Rightarrow 01|02|023|02|12|12|12$  and  $(645213) \Rightarrow 01|02|013|01|12|12|12$

$\mathcal{K}_{02,2}(01|01|023|01|12|03|01, \infty, 3, 4, 7) \Rightarrow 01|02|023|01|12|03|01, 01|02|013|01|12|03|01, 01|02|023|02|12|01|01|023|01|12|03|02$  (Case 1).

$\mathcal{K}_{02,4}(01|01|023|01|12|03|01, \infty, 3, 7) \Rightarrow 01|01|023|02|12|03|01, 01|01|012|03|13|02|01, 01|01|023|02|12|03|01$  (Case 1).

$\mathcal{K}_{02,1}(01|01|023|01|12|03|01, \infty) \Rightarrow 01|02|013|02|12|03|02$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|01|023|01|12|01|03, (123546) \Rightarrow 01|01|023|01|02|13|01$  and  $(123564) \Rightarrow 01|01|023|01|01|12|03$

$\mathcal{K}_{01,2}(01|01|023|01|12|03|03, 3, 4) \Rightarrow 01|02|013|01|12|03|03, 01|02|023|02|12|03|03$  (Case 1).

$\mathcal{K}_{01,3}(01|01|023|01|12|03|03, 4) \Rightarrow 01|01|012|03|13|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|13|02, (145236) \Rightarrow 01|02|123|13|01|01|13, (245136) \Rightarrow 01|02|123|23|02|02|23, (345126) \Rightarrow 01|23|023|12|12|12|23$  and  $(345216) \Rightarrow 01|23|012|03|03|03|01$

$\mathcal{K}_{01,1}(01|01|023|01|12|03|13, \infty, 2, 4) \Rightarrow 01|02|123|02|01|23|03, 01|01|023|12|01|23|13, 01|02|123|01|01|23|01$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|01|12|03|13, \infty, 4) \Rightarrow 01|02|123|01|02|13|03, 01|02|123|02|02|13|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|12|03|13, \infty) \Rightarrow 01|01|023|12|12|03|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|13|12$

$\mathcal{K}_{03,2}(01|01|023|01|23|01|01, 1, 4, 7) \Rightarrow 01|01|023|12|03|12|12, 01|02|123|02|23|01|01, 01|02|123|01|23|01|01$  (Case 1).

$\mathcal{K}_{03,4}(01|01|023|01|23|01|01, 1, 7) \Rightarrow 01|02|123|01|13|02|02, 01|01|023|12|23|01|12$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|01|23|01|01, 7) \Rightarrow 01|02|123|02|13|02|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|01|23|01$

$\mathcal{K}_{01,2}(01|01|023|01|23|01|02, 1, 4, 6) \Rightarrow 01|01|012|03|12|03|02, 01|02|023|02|23|01|03, 01|02|023|01|23|02|01$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|23|01|02, 1, 6) \Rightarrow 01|02|013|01|13|02|03, 01|01|023|02|23|02|03$  (Case 1).

$\mathcal{K}_{01,1}(01|01|023|01|23|01|02, 6) \Rightarrow 01|02|013|02|13|01|03$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|01|023|01|23|02|01, (123546) \Rightarrow 01|01|023|01|01|23|02$   
and  $(123564) \Rightarrow 01|01|023|01|02|23|01$

$\mathcal{K}_{01,1}(01|01|023|01|23|01|12, \infty, 2, 4) \Rightarrow 01|02|123|02|13|02|03, 01|01|023|12|03|12|13, 01|02|123|01|13|02|01$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|01|23|01|12, \infty, 4) \Rightarrow 01|02|123|01|23|01|03, 01|02|123|02|23|01|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|23|01|12, \infty) \Rightarrow 01|01|023|12|23|01|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|01|23|12$

$\mathcal{K}_{01,1}(01|01|023|01|23|02|02, \infty, 2, 4) \Rightarrow 01|02|013|02|13|03|03, 01|01|012|03|12|02|02, 01|02|013|01|13|03|01$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|01|23|02|02, \infty, 4) \Rightarrow 01|02|023|01|23|03|03, 01|02|023|02|23|03|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|23|02|02, \infty) \Rightarrow 01|01|023|02|23|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|23|02$

$\mathcal{K}_{01,2}(01|01|023|01|23|02|03, 1, 4, 6) \Rightarrow 01|01|012|03|12|01|02, 01|02|023|02|23|02|03, 01|02|023|01|23|01|02$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|23|02|03, 1, 6) \Rightarrow 01|02|013|01|13|01|03, 01|01|023|02|23|01|03$  (Case 1).

$\mathcal{K}_{01,1}(01|01|023|01|23|02|03, 6) \Rightarrow 01|02|013|02|13|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|23|03$

$\mathcal{K}_{01,1}(01|01|023|01|23|02|12, \infty, 2, 4) \Rightarrow 01|02|123|02|13|23|03, 01|01|023|12|03|23|13, 01|02|123|01|13|23|01$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|01|23|02|12, \infty, 4) \Rightarrow 01|02|123|01|23|13|03, 01|02|123|02|23|13|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|01|23|02|12, \infty) \Rightarrow 01|01|023|12|23|03|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|01|02|23|12$

$\mathcal{K}_{13,2}(01|01|023|02|01|02|23, 5, 7) \Rightarrow 01|02|123|12|02|12|23, 01|02|123|12|01|12|13$  (Case 1).

$\mathcal{K}_{13,5}(01|01|023|02|01|02|23, 7) \Rightarrow 01|01|023|02|12|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|02|01|23$

$\mathcal{K}_{13,2}(01|01|023|02|01|03|02, \infty, 4, 5, 7) \Rightarrow 01|02|123|13|01|12|13, 01|02|123|23|01|12|13, 01|02|123|13|02|13, 01|02|123|13|01|12|23$  (Case 1).



$\mathcal{K}_{13,4}(01|01|023|02|01|03|02, \infty, 5, 7) \Rightarrow 01|01|023|23|01|02|03, 01|01|023|23|12|02|03, 01|01|023|23|01|02|03$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|02|01|03|02, \infty) \Rightarrow 01|02|123|23|02|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|03|01|02$

$\mathcal{K}_{12,1}(01|01|023|02|01|12|12, \infty, 2, 7) \Rightarrow 01|02|123|12|02|01|01, 01|01|023|02|12|01|01, 01|02|123|12|02|01|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|023|02|01|12|12, \infty, 7) \Rightarrow 01|02|123|12|01|02|02, 01|02|123|12|01|02|01$  (Case 1).

$\mathcal{K}_{12,7}(01|01|023|02|01|12|12, \infty) \Rightarrow 01|01|023|02|01|12|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|12|01|12$

$\mathcal{K}_{03,1}(01|01|023|02|01|12|23, \infty, 2, 7) \Rightarrow 01|02|123|12|02|01|13, 01|01|023|02|12|01|03, 01|02|123|12|02|01|13$  (Case 1).

$\mathcal{K}_{03,2}(01|01|023|02|01|12|23, \infty, 7) \Rightarrow 01|02|123|12|01|02|23, 01|02|123|12|01|02|13$  (Case 1).

$\mathcal{K}_{03,7}(01|01|023|02|01|12|23, \infty) \Rightarrow 01|01|023|02|01|12|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|12|01|23$

$\mathcal{K}_{03,2}(01|01|023|02|01|13|23, 1, 4, 7) \Rightarrow 01|01|023|23|12|01|03, 01|02|123|23|01|02|23, 01|02|123|13|01|02|13$  (Case 1).

$\mathcal{K}_{03,4}(01|01|023|02|01|13|23, 1, 7) \Rightarrow 01|02|123|13|02|01|13, 01|01|023|23|01|12|03$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|02|01|13|23, 7) \Rightarrow 01|02|123|23|02|01|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|13|01|23$

$\mathcal{K}_{13,1}(01|01|023|02|01|23|23, \infty, 2, 7) \Rightarrow 01|02|123|12|02|13|13, 01|01|023|02|12|03|03, 01|02|123|12|02|13|13$  (Case 1).

$\mathcal{K}_{13,2}(01|01|023|02|01|23|23, \infty, 7) \Rightarrow 01|02|123|12|01|23|23, 01|02|123|12|01|23|13$  (Case 1).

$\mathcal{K}_{13,7}(01|01|023|02|01|23|23, \infty) \Rightarrow 01|01|023|02|01|23|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|23|01|23$

$\mathcal{K}_{13,2}(01|01|023|02|02|12|12, 6, 7) \Rightarrow 01|02|123|12|12|01|02, 01|02|123|12|12|02|01$  (Case 1).

$\mathcal{K}_{13,6}(01|01|023|02|02|12|12, 7) \Rightarrow 01|01|023|02|02|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|12|02|12$

$\mathcal{K}_{13,2}(01|01|023|02|02|23|23, 6, 7) \Rightarrow 01|02|123|12|12|13|23, 01|02|123|12|12|23|13$  (Case 1).

$\mathcal{K}_{13,6}(01|01|023|02|02|23|23, 7) \Rightarrow 01|01|023|02|02|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|23|02|23$

$\mathcal{K}_{01,2}(01|01|023|02|03|02|12, 4, 6) \Rightarrow 01|02|123|23|12|13|03, 01|02|123|13|12|23|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|02|03|02|12, 6) \Rightarrow 01|01|023|23|02|23|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|02|03|12$

$\mathcal{K}_{12,5}(01|01|023|02|03|03|02, 6, 7) \Rightarrow 01|01|023|02|02|02|02, 01|01|023|02|02|03|03$  (Case 1).

$\mathcal{K}_{12,6}(01|01|023|02|03|03|02, 7) \Rightarrow 01|01|023|02|03|02|03$  (Case 1).

Free by vertex permutation:  $(132456) \Rightarrow 01|02|023|01|03|03|02$ ,  $(142563) \Rightarrow 01|02|023|02|01|03|03$ ,  $(152463) \Rightarrow 01|02|023|02|03|01|03$ ,  $(162453) \Rightarrow 01|02|023|02|03|03|01$ ,  $(231456) \Rightarrow 01|02|013|02|03|03|01$ ,  $(241563) \Rightarrow 01|02|013|01|02|03|03$ ,  $(251463) \Rightarrow 01|02|013|01|03|02|03$ ,  $(261453) \Rightarrow 01|02|013|01|03|03|02$ ,  $(341562) \Rightarrow 01|01|012|03|03|02|02$ ,  $(351462) \Rightarrow 01|01|012|03|02|03|02$  and  $(361452) \Rightarrow 01|01|012|03|02|02|03$

$\mathcal{K}_{12,5}(01|01|023|02|03|03|03, 6, 7) \Rightarrow 01|01|023|02|02|02|03$ ,  $01|01|023|02|02|03|02$  (Case 1).

$\mathcal{K}_{12,6}(01|01|023|02|03|03|03, 7) \Rightarrow 01|01|023|02|03|02|02$  (Case 1).

Free by vertex permutation:  $(132456) \Rightarrow 01|02|023|01|03|03|03$ ,  $(163245) \Rightarrow 01|02|023|03|02|02|01$ ,  $(231456) \Rightarrow 01|02|013|02|03|03|03$ ,  $(263145) \Rightarrow 01|02|013|03|01|01|02$ ,  $(345126) \Rightarrow 01|01|012|03|03|02|01$  and  $(354126) \Rightarrow 01|01|012|03|02|03|01$

$\mathcal{K}_{13,2}(01|01|023|02|03|03|23, 4, 7) \Rightarrow 01|02|123|23|12|12|23$ ,  $01|02|123|13|12|12|13$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|02|03|03|23, 7) \Rightarrow 01|01|023|23|02|02|03$  (Case 1).

Free by vertex permutation:  $(124356) \Rightarrow 01|01|023|02|03|02|23$  and  $(125346) \Rightarrow 01|01|023|02|02|03|23$

$\mathcal{K}_{13,1}(01|01|023|02|03|12|12, \infty, 2, 7) \Rightarrow 01|02|123|12|23|01|01$ ,  $01|01|023|02|23|01|01$ ,  $01|02|123|12|23|01|01$  (Case 1).

$\mathcal{K}_{13,2}(01|01|023|02|03|12|12, \infty, 7) \Rightarrow 01|02|123|12|13|02|02$ ,  $01|02|123|12|13|02|01$  (Case 1).

$\mathcal{K}_{13,7}(01|01|023|02|03|12|12, \infty) \Rightarrow 01|01|023|02|03|12|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|12|03|12$

$\mathcal{K}_{13,2}(01|01|023|02|03|23|23, \infty, 4, 7) \Rightarrow 01|02|123|13|12|23|23$ ,  $01|02|123|23|12|23|23$ ,  $01|02|123|13|12|23|23$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|02|03|23|23, \infty, 7) \Rightarrow 01|01|023|23|02|23|23$ ,  $01|01|023|23|02|23|03$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|02|03|23|23, \infty) \Rightarrow 01|02|123|23|12|13|13$  (Case 1).

$\mathcal{K}_{13,7}(01|01|023|02|03|23|23, \infty) \Rightarrow 01|01|023|02|03|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|23|03|23$

$\mathcal{K}_{13,2}(01|01|023|02|12|02|23, 5, 7) \Rightarrow 01|02|123|12|01|12|23$ ,  $01|02|123|12|02|12|13$  (Case 1).

$\mathcal{K}_{13,5}(01|01|023|02|12|02|23, 7) \Rightarrow 01|01|023|02|01|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|02|12|23$ ,  $(123645) \Rightarrow 01|01|023|02|02|23|12$  and  $(123654) \Rightarrow 01|01|023|02|23|02|12$

$\mathcal{K}_{12,1}(01|01|023|02|12|03|23, \infty, 2, 7) \Rightarrow 01|02|123|12|01|23|13$ ,  $01|01|023|02|01|23|03$ ,  $01|02|123|12|01|23|03$  (Case 1).

$\mathcal{K}_{12,2}(01|01|023|02|12|03|23, \infty, 7) \Rightarrow 01|02|123|12|02|13|23$ ,  $01|02|123|12|02|13|13$  (Case 1).

$\mathcal{K}_{12,7}(01|01|023|02|12|03|23, \infty) \Rightarrow 01|01|023|02|12|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|03|12|23$

$\mathcal{K}_{03,2}(01|01|023|02|13|01|02, 1, 4, 7) \Rightarrow 01|01|023|23|01|12|23$ ,  $01|02|123|23|02|01|13$ ,  $01|02|123|13|02|01|13$  (Case 1).

$\mathcal{K}_{03,4}(01|01|023|02|13|01|02, 1, 7) \Rightarrow 01|02|123|13|01|02|23, 01|01|023|23|12|01|23$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|02|13|01|02, 7) \Rightarrow 01|02|123|23|01|02|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|01|13|02$

$\mathcal{K}_{01,1}(01|01|023|02|13|01|12, \infty, 2, 4) \Rightarrow 01|02|123|23|01|02|03, 01|01|023|23|01|12|13, 01|02|123|13|01|02|13$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|02|13|01|12, \infty, 4) \Rightarrow 01|02|123|13|02|01|03, 01|02|123|23|02|01|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|02|13|01|12, \infty) \Rightarrow 01|01|023|23|12|01|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|01|13|12$

$\mathcal{K}_{03,2}(01|01|023|02|13|02|01, 1, 5, 6) \Rightarrow 01|01|023|23|01|23|12, 01|02|123|13|01|13|01, 01|02|123|13|02|23|01$  (Case 1).

$\mathcal{K}_{03,5}(01|01|023|02|13|02|01, 1, 6) \Rightarrow 01|02|123|23|02|23|02, 01|01|023|02|01|23|01$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|02|13|02|01, 6) \Rightarrow 01|02|123|23|01|13|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|02|13|01$

$\mathcal{K}_{13,2}(01|01|023|02|13|02|02, 1, 4, 5, 6, 7) \Rightarrow 01|01|023|23|01|23|23, 01|02|123|23|02|13|13, 01|02|123|13|01|13|13, 01|02|123|13|02|23|13, 01|02|123|13|02|13|23$  (Case 1).

$\mathcal{K}_{13,5}(01|01|023|02|13|02|02, 6) \Rightarrow 01|01|023|02|01|23|02$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|02|13|02|02, 7) \Rightarrow 01|01|023|23|12|03|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|02|13|02$

$\mathcal{K}_{23,2}(01|01|023|02|13|02|03, \infty, 4, 5, 6) \Rightarrow 01|02|123|13|02|13|12, 01|02|123|23|02|13|12, 01|02|123|13|01|12|13, 01|02|123|13|02|23|12$  (Case 1).

$\mathcal{K}_{23,5}(01|01|023|02|13|02|03, \infty, 4, 6) \Rightarrow 01|01|023|02|01|02|03, 01|01|023|23|01|02|03, 01|01|023|02|01|23|01$  (Case 1).

$\mathcal{K}_{23,1}(01|01|023|02|13|02|03, \infty) \Rightarrow 01|02|123|23|01|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|02|13|03$

$\mathcal{K}_{01,1}(01|01|023|02|13|02|12, \infty, 2, 4) \Rightarrow 01|02|123|23|01|23|03, 01|01|023|23|01|23|12, 01|02|123|13|01|23|13$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|02|13|02|12, \infty, 4) \Rightarrow 01|02|123|13|02|13|03, 01|02|123|23|02|13|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|02|13|02|12, \infty) \Rightarrow 01|01|023|23|12|03|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|02|13|12$

$\mathcal{K}_{12,4}(01|01|023|02|13|02|23, 1, 2, 5, 7) \Rightarrow 01|02|123|13|01|23|13, 01|02|123|23|02|13|23, 01|01|023|23|01|02|13, 01|01|023|23|12|03|03$  (Case 1).

$\mathcal{K}_{12,7}(01|01|023|02|13|02|23, 1, 2, 5) \Rightarrow 01|02|123|23|01|23|23, 01|02|123|13|02|13|13, 01|01|023|02|01|02|03, 01|01|023|02|01|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|02|13|23$

$\mathcal{K}_{13,2}(01|01|023|02|13|03|02, \infty, 4, 5, 7) \Rightarrow 01|02|123|13|02|12|13, 01|02|123|23|02|12|13, 01|02|123|13|01|12|13, 01|02|123|13|02|12|23$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|02|13|03|02, \infty, 5, 7) \Rightarrow 01|01|023|23|12|02|03, 01|01|023|23|01|02|03, 01|01|023|23|12|02|03$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|02|13|03|02, \infty) \Rightarrow 01|02|123|23|01|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|03|13|02$

$\mathcal{K}_{01,1}(01|01|023|02|23|01|12, \infty, 2, 4) \Rightarrow 01|02|123|23|13|02|03, 01|01|023|23|02|13|12, 01|02|123|13|13|02|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|02|23|01|12, \infty, 4) \Rightarrow 01|02|123|13|23|01|03, 01|02|123|23|23|01|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|02|23|01|12, \infty) \Rightarrow 01|01|023|23|23|01|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|02|01|23|12$

$\mathcal{K}_{12,7}(01|01|023|12|01|02|02, 1, 2, 3, 5) \Rightarrow 01|02|013|12|02|01|02, 01|02|023|12|01|02|01, 01|01|012|03|01|13|01|01|023|12|02|02|01$  (Case 1).

$\mathcal{K}_{12,2}(01|01|023|12|01|02|02, 1, 3, 5) \Rightarrow 01|01|012|03|13|01|01, 01|02|013|12|01|02|02, 01|02|023|12|02|02|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|02|01|02$

$\mathcal{K}_{03,7}(01|01|023|12|01|02|23, 1, 2, 3, 5) \Rightarrow 01|02|013|12|02|01|23, 01|02|023|12|01|02|13, 01|01|012|03|01|13|01|01|023|12|02|02|13$  (Case 1).

$\mathcal{K}_{03,2}(01|01|023|12|01|02|23, 1, 3, 5) \Rightarrow 01|01|012|03|13|01|02, 01|02|013|12|01|02|23, 01|02|023|12|02|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|02|01|23$

$\mathcal{K}_{03,4}(01|01|023|12|01|03|23, \infty, 1, 2, 3, 5, 7) \Rightarrow 01|01|023|23|01|02|23, 01|02|013|13|02|01|13, 01|02|023|23|01|02|23, 01|01|012|23|01|03|23, 01|01|023|23|02|02|23, 01|01|023|23|01|02|13$  (Case 1).

$\mathcal{K}_{03,2}(01|01|023|12|01|03|23, \infty, 1, 3, 5, 7) \Rightarrow 01|02|023|13|01|02|23, 01|01|012|23|03|01|12, 01|02|013|13|01|02|23, 01|02|023|13|02|02|23, 01|02|023|13|01|02|13$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|12|01|03|23, \infty) \Rightarrow 01|02|013|23|02|01|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|03|01|23$

$\mathcal{K}_{13,2}(01|01|023|12|01|12|02, \infty, 3, 5, 7) \Rightarrow 01|02|023|12|01|12|02, 01|02|013|12|01|12|02, 01|02|023|12|02|12|01|02|023|12|01|12|01$  (Case 1).

$\mathcal{K}_{13,7}(01|01|023|12|01|12|02, \infty, 3, 5) \Rightarrow 01|01|023|12|01|12|01, 01|01|012|03|01|03|01, 01|01|023|12|02|12|01|02|023|12|01|12|01$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|12|01|12|02, \infty) \Rightarrow 01|02|013|12|02|12|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|12|01|02$

$\mathcal{K}_{13,2}(01|01|023|12|01|12|23, \infty, 3, 5, 7) \Rightarrow 01|02|023|12|01|12|23, 01|02|013|12|01|12|23, 01|02|023|12|02|12|01|02|023|12|01|12|13$  (Case 1).

$\mathcal{K}_{13,7}(01|01|023|12|01|12|23, \infty, 3, 5) \Rightarrow 01|01|023|12|01|12|13, 01|01|012|03|01|03|02, 01|01|023|12|02|12|01|02|023|12|01|12|13$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|12|01|12|23, \infty) \Rightarrow 01|02|013|12|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|12|01|23$

$\mathcal{K}_{13,2}(01|01|023|12|01|23|23, 1, 5, 7) \Rightarrow 01|01|012|03|13|02|02, 01|02|023|12|02|23|23, 01|02|023|12|01|23|1$   
(Case 1).

$\mathcal{K}_{13,5}(01|01|023|12|01|23|23, 1, 7) \Rightarrow 01|02|013|12|01|13|13, 01|01|023|12|02|23|13$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|12|01|23|23, 7) \Rightarrow 01|02|013|12|02|13|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|23|01|23$

$\mathcal{K}_{13,7}(01|01|023|12|02|02|02, 1, 2, 5, 6) \Rightarrow 01|02|013|12|01|01|02, 01|02|023|12|02|02|01, 01|01|023|12|01|02$   
 $01|01|023|12|02|01|01$  (Case 1).

$\mathcal{K}_{13,2}(01|01|023|12|02|02|02, 1, 5, 6) \Rightarrow 01|01|012|03|01|01|01, 01|02|023|12|01|02|02, 01|02|023|12|02|01|0$   
(Case 1).

$\mathcal{K}_{03,7}(01|01|023|12|02|02|23, 1, 2, 5, 6) \Rightarrow 01|02|013|12|01|01|23, 01|02|023|12|02|02|13, 01|01|023|12|01|02$   
 $01|01|023|12|02|01|13$  (Case 1).

$\mathcal{K}_{03,2}(01|01|023|12|02|02|23, 1, 5, 6) \Rightarrow 01|01|012|03|01|01|02, 01|02|023|12|01|02|23, 01|02|023|12|02|01|2$   
(Case 1).

$\mathcal{K}_{13,2}(01|01|023|12|02|12|23, \infty, 3, 5, 7) \Rightarrow 01|02|023|12|02|12|23, 01|02|013|12|02|12|23, 01|02|023|12|01|1$   
 $01|02|023|12|02|12|13$  (Case 1).

$\mathcal{K}_{13,7}(01|01|023|12|02|12|23, \infty, 3, 5) \Rightarrow 01|01|023|12|02|12|13, 01|01|012|03|13|03|02, 01|01|023|12|01|12|$   
(Case 1).

$\mathcal{K}_{13,1}(01|01|023|12|02|12|23, \infty) \Rightarrow 01|02|013|12|01|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|12|02|23$

$\mathcal{K}_{13,2}(01|01|023|12|02|13|23, \infty, 3, 4, 7) \Rightarrow 01|02|023|13|03|12|23, 01|02|013|13|03|12|23, 01|02|023|23|03|1$   
 $01|02|023|13|03|12|13$  (Case 1).

$\mathcal{K}_{13,4}(01|01|023|12|02|13|23, \infty, 3, 7) \Rightarrow 01|01|023|23|02|13|23, 01|01|012|23|02|13|23, 01|01|023|23|02|13|$   
(Case 1).

$\mathcal{K}_{13,1}(01|01|023|12|02|13|23, \infty) \Rightarrow 01|02|013|23|03|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|13|02|23$

$\mathcal{K}_{02,4}(01|01|023|12|02|23|23, 1, 2, 6, 7) \Rightarrow 01|02|013|13|03|13|13, 01|02|023|23|03|23|23, 01|01|023|23|02|12$   
 $01|01|023|23|02|23|12$  (Case 1).

$\mathcal{K}_{02,7}(01|01|023|12|02|23|23, 1, 2, 6) \Rightarrow 01|02|013|23|03|13|23, 01|02|023|13|03|23|13, 01|01|023|12|02|12|1$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|23|02|23$

$\mathcal{K}_{01,4}(01|01|023|12|03|01|02, 1, 2, 3, 6) \Rightarrow 01|02|013|13|01|02|03, 01|02|023|23|02|01|03, 01|01|012|23|03|01$   
 $01|01|023|23|02|02|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|12|03|01|02, 1, 3, 6) \Rightarrow 01|01|012|23|01|03|02, 01|02|013|13|02|01|03, 01|02|023|13|02|02|0$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|01|03|02$

$\mathcal{K}_{03,4}(01|01|023|12|03|01|12, \infty, 1, 2, 3, 6, 7) \Rightarrow 01|01|023|23|02|01|13, 01|02|013|13|01|02|23, 01|02|023|23|02|01|13, 01|01|012|23|03|01|12, 01|01|023|23|02|02|13, 01|01|023|23|02|01|23$  (Case 1).

$\mathcal{K}_{03,2}(01|01|023|12|03|01|12, \infty, 1, 3, 6, 7) \Rightarrow 01|02|023|13|02|01|13, 01|01|012|23|01|03|23, 01|02|013|13|02|01|13, 01|02|023|13|02|02|13, 01|02|023|13|02|01|23$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|12|03|01|12, \infty) \Rightarrow 01|02|013|23|01|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|01|03|12$

$\mathcal{K}_{01,1}(01|01|023|12|03|02|02, \infty, 2, 4) \Rightarrow 01|02|013|23|01|03|03, 01|01|012|23|01|02|02, 01|02|013|13|01|03|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|12|03|02|02, \infty, 4) \Rightarrow 01|02|023|13|02|03|03, 01|02|023|23|02|03|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|12|03|02|02, \infty) \Rightarrow 01|01|023|23|02|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|02|03|02$

$\mathcal{K}_{03,1}(01|01|023|12|03|02|23, \infty, 2, 7) \Rightarrow 01|02|013|12|03|01|13, 01|01|012|03|12|01|02, 01|02|013|12|03|01|13$  (Case 1).

$\mathcal{K}_{03,2}(01|01|023|12|03|02|23, \infty, 7) \Rightarrow 01|02|023|12|03|02|23, 01|02|023|12|03|02|13$  (Case 1).

$\mathcal{K}_{03,7}(01|01|023|12|03|02|23, \infty) \Rightarrow 01|01|023|12|03|02|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|02|03|23$

$\mathcal{K}_{01,4}(01|01|023|12|03|03|02, 1, 2, 5, 6) \Rightarrow 01|02|013|13|01|01|03, 01|02|023|23|02|02|03, 01|01|023|23|01|02|03, 01|01|023|23|02|01|03$  (Case 1).

$\mathcal{K}_{01,2}(01|01|023|12|03|03|02, 1, 5, 6) \Rightarrow 01|01|012|23|01|01|02, 01|02|023|13|01|02|03, 01|02|023|13|02|01|03$  (Case 1).

$\mathcal{K}_{03,4}(01|01|023|12|03|03|23, \infty, 1, 2, 5, 6, 7) \Rightarrow 01|01|023|23|02|02|23, 01|02|013|13|01|01|13, 01|02|023|23|02|02|23, 01|01|023|23|01|02|23, 01|01|023|23|02|01|23, 01|01|023|23|02|02|13$  (Case 1).

$\mathcal{K}_{03,2}(01|01|023|12|03|03|23, \infty, 1, 5, 6, 7) \Rightarrow 01|02|023|13|02|02|23, 01|01|012|23|01|01|02, 01|02|023|13|01|02|23, 01|02|023|13|02|01|23, 01|02|023|13|02|02|13$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|12|03|03|23, \infty) \Rightarrow 01|02|013|23|01|01|13$  (Case 1).

$\mathcal{K}_{13,2}(01|01|023|12|03|12|02, 3, 7) \Rightarrow 01|02|013|12|03|12|02, 01|02|023|12|03|12|01$  (Case 1).

$\mathcal{K}_{13,3}(01|01|023|12|03|12|02, 7) \Rightarrow 01|01|012|03|12|03|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|12|03|02, (451236) \Rightarrow 01|23|023|01|12|12|02, (452136) \Rightarrow 01|23|012|23|03|03|02, (453162) \Rightarrow 01|02|012|23|03|03|23$  and  $(453261) \Rightarrow 01|02|012|13|03|03|13$

$\mathcal{K}_{13,2}(01|01|023|12|03|12|23, 3, 7) \Rightarrow 01|02|013|12|03|12|23, 01|02|023|12|03|12|13$  (Case 1).

$\mathcal{K}_{13,3}(01|01|023|12|03|12|23, 7) \Rightarrow 01|01|012|03|12|03|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|12|03|23, (451236) \Rightarrow 01|23|023|01|12|12|03, (451326) \Rightarrow 01|01|023|23|12|12|03, (452136) \Rightarrow 01|23|012|23|03|03|12, (453162) \Rightarrow 01|02|012|23|13|13|23$  and  $(453261) \Rightarrow 01|02|012|13|23|23|13$

$\mathcal{K}_{13,4}(01|01|023|12|03|13|23, 2, 3, 5, 7) \Rightarrow 01|02|023|23|02|12|23, 01|01|012|23|03|13|23, 01|01|023|23|01|12|23, 01|01|023|23|02|12|13$  (Case 1).

$\mathcal{K}_{13,2}(01|01|023|12|03|13|23, 3, 5, 7) \Rightarrow 01|02|013|13|02|12|23, 01|02|023|13|01|12|23, 01|02|023|13|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|13|03|23$

$\mathcal{K}_{03,1}(01|01|023|12|03|23|02, \infty, 2, 7) \Rightarrow 01|02|013|12|03|13|01, 01|01|012|03|12|02|01, 01|02|013|12|03|13|01$  (Case 1).

$\mathcal{K}_{03,2}(01|01|023|12|03|23|02, \infty, 7) \Rightarrow 01|02|023|12|03|23|02, 01|02|023|12|03|23|01$  (Case 1).

$\mathcal{K}_{03,7}(01|01|023|12|03|23|02, \infty) \Rightarrow 01|01|023|12|03|23|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|23|03|02$

$\mathcal{K}_{02,1}(01|01|023|12|03|23|23, \infty, 2, 7) \Rightarrow 01|02|013|12|03|13|13, 01|01|012|03|12|02|02, 01|02|013|12|03|13|01$  (Case 1).

$\mathcal{K}_{02,2}(01|01|023|12|03|23|23, \infty, 7) \Rightarrow 01|02|023|12|03|23|23, 01|02|023|12|03|23|13$  (Case 1).

$\mathcal{K}_{02,7}(01|01|023|12|03|23|23, \infty) \Rightarrow 01|01|023|12|03|23|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|23|03|23$

$\mathcal{K}_{13,2}(01|01|023|12|12|02|02, \infty, 3, 6, 7) \Rightarrow 01|02|023|12|12|02|02, 01|02|013|12|12|02|02, 01|02|023|12|12|02|01$  (Case 1).

$\mathcal{K}_{13,7}(01|01|023|12|12|02|02, \infty, 3, 6) \Rightarrow 01|01|023|12|12|02|01, 01|01|012|03|03|13|01, 01|01|023|12|12|01|13$  (Case 1).

$\mathcal{K}_{13,1}(01|01|023|12|12|02|02, \infty) \Rightarrow 01|02|013|12|12|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|02|12|02$

$\mathcal{K}_{03,4}(01|01|023|12|13|01|12, 2, 3, 6, 7) \Rightarrow 01|02|023|23|12|01|13, 01|01|012|23|03|01|02, 01|01|023|23|12|02|01$  (Case 1).

$\mathcal{K}_{03,2}(01|01|023|12|13|01|12, 3, 6, 7) \Rightarrow 01|02|013|13|12|01|13, 01|02|023|13|12|02|13, 01|02|023|13|12|01|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|01|13|12$

$\mathcal{K}_{03,2}(01|01|023|12|13|02|01, \infty, 5, 6, 7) \Rightarrow 01|02|123|03|02|13|01, 01|02|123|03|01|13|01, 01|02|123|03|02|13|02$  (Case 1).

$\mathcal{K}_{03,5}(01|01|023|12|13|02|01, \infty, 6, 7) \Rightarrow 01|01|023|12|01|02|01, 01|01|023|12|01|23|01, 01|01|023|12|01|02|13$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|12|13|02|01, \infty) \Rightarrow 01|02|123|03|01|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|02|13|01$

$\mathcal{K}_{01,2}(01|01|023|12|13|02|12, 5, 6) \Rightarrow 01|02|123|03|01|13|03, 01|02|123|03|02|23|03$  (Case 1).

$\mathcal{K}_{01,5}(01|01|023|12|13|02|12, 6) \Rightarrow 01|01|023|12|01|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|02|13|12$

$\mathcal{K}_{01,2}(01|01|023|12|23|01|02, 1, 4, 6) \Rightarrow 01|01|012|23|02|13|12, 01|02|023|23|23|01|03, 01|02|023|13|23|02|03$   
(Case 1).

$\mathcal{K}_{01,4}(01|01|023|12|23|01|02, 1, 6) \Rightarrow 01|02|013|13|13|02|03, 01|01|023|23|23|02|03$  (Case 1).

$\mathcal{K}_{01,1}(01|01|023|12|23|01|02, 6) \Rightarrow 01|02|013|23|13|01|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|01|23|02$

$\mathcal{K}_{01,1}(01|01|023|12|23|02|02, \infty, 2, 4) \Rightarrow 01|02|013|23|13|03|03, 01|01|012|23|02|12|12, 01|02|013|13|13|03|03$   
(Case 1).

$\mathcal{K}_{01,2}(01|01|023|12|23|02|02, \infty, 4) \Rightarrow 01|02|023|13|23|03|03, 01|02|023|23|23|03|03$  (Case 1).

$\mathcal{K}_{01,4}(01|01|023|12|23|02|02, \infty) \Rightarrow 01|01|023|23|23|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|02|23|02$

$\mathcal{K}_{03,2}(01|01|023|23|02|13|13, 1, 5, 6) \Rightarrow 01|01|023|02|23|01|01, 01|02|123|23|23|02|02, 01|02|123|23|13|01|03$   
(Case 1).

$\mathcal{K}_{03,5}(01|01|023|23|02|13|13, 1, 6) \Rightarrow 01|02|123|13|13|01|01, 01|01|023|23|23|01|12$  (Case 1).

$\mathcal{K}_{03,1}(01|01|023|23|02|13|13, 6) \Rightarrow 01|02|123|13|23|02|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|23|12|03|12$

$\mathcal{K}_{02,4}(01|02|012|01|02|03|03, \infty, 3, 6, 7) \Rightarrow 01|02|012|03|02|03|03, 01|02|023|03|02|03|03, 01|02|012|03|02|03|03$   
 $01|02|012|03|02|03|01$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|01|02|03|03, \infty, 6, 7) \Rightarrow 01|02|023|01|02|03|03, 01|02|023|01|02|01|03, 01|02|023|01|02|03|03$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|03|02|03, (132456) \Rightarrow 01|01|012|02|02|03|03,$   
 $(132546) \Rightarrow 01|01|012|02|03|02|03, (213456) \Rightarrow 01|02|012|02|01|03|03$  and  $(213546) \Rightarrow 01|02|012|02|03|01|03$

$\mathcal{K}_{01,3}(01|02|012|01|03|02|02, 4, 5) \Rightarrow 01|02|023|03|03|02|02, 01|02|023|01|01|02|02$  (Case 1).

$\mathcal{K}_{01,4}(01|02|012|01|03|02|02, 5) \Rightarrow 01|02|012|03|01|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|02|03|02, (123645) \Rightarrow 01|02|012|01|02|02|03,$   
 $(132456) \Rightarrow 01|01|012|02|03|02|02, (132546) \Rightarrow 01|01|012|02|02|03|02, (132645) \Rightarrow 01|01|012|02|02|02|03,$   
 $(213456) \Rightarrow 01|02|012|02|03|01|01, (213546) \Rightarrow 01|02|012|02|01|03|01$  and  $(213645) \Rightarrow 01|02|012|02|01|01|03$

$\mathcal{K}_{23,3}(01|02|012|01|12|23|03, \infty, 1, 2, 4, 6) \Rightarrow 01|02|123|01|12|23|03, 01|23|012|03|02|12|13,$   
 $01|23|023|01|02|23|13, 01|02|123|13|12|23|03, 01|02|123|01|12|02|03$  (Case 1).

$\mathcal{K}_{23,1}(01|02|012|01|12|23|03, \infty) \Rightarrow 01|23|023|02|03|13|12$  (Case 1).

$\mathcal{K}_{23,2}(01|02|012|01|12|23|03, 6) \Rightarrow 01|23|012|01|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|23|12|03, (213456) \Rightarrow 01|02|012|02|12|13|03$   
and  $(213546) \Rightarrow 01|02|012|02|13|12|03$

$\mathcal{K}_{01,3}(01|02|012|01|23|01|02, \infty, 4, 5, 6) \Rightarrow 01|02|023|01|23|01|02, 01|02|023|03|23|01|02, 01|02|023|01|12|03|03$   
 $01|02|023|01|23|03|02$  (Case 1).

$\mathcal{K}_{01,4}(01|02|012|01|23|01|02, \infty, 5, 6) \Rightarrow 01|02|012|03|23|01|02, 01|02|012|03|12|01|02, 01|02|012|03|23|03|03$   
(Case 1).

$\mathcal{K}_{01,1}(01|02|012|01|23|01|02, \infty) \Rightarrow 01|02|023|03|12|03|02$  (Case 1).



Free by vertex permutation:  $(123465) \Rightarrow 01|02|012|01|23|02|01$ ,  $(123546) \Rightarrow 01|02|012|01|01|23|02$ ,  
 $(123564) \Rightarrow 01|02|012|01|02|23|01$ ,  $(132456) \Rightarrow 01|01|012|02|23|01|02$ ,  $(132465) \Rightarrow 01|01|012|02|23|02|01$ ,  
 $(132546) \Rightarrow 01|01|012|02|01|23|02$ ,  $(132564) \Rightarrow 01|01|012|02|02|23|01$ ,  $(213456) \Rightarrow 01|02|012|02|13|02|01$ ,  
 $(213465) \Rightarrow 01|02|012|02|13|01|02$ ,  $(213546) \Rightarrow 01|02|012|02|02|13|01$  and  $(213564) \Rightarrow 01|02|012|02|01|13|02$

$\mathcal{K}_{01,3}(01|02|012|01|23|02|02, 4, 5) \Rightarrow 01|02|023|03|23|02|02$ ,  $01|02|023|01|12|02|02$  (Case 1).

$\mathcal{K}_{01,4}(01|02|012|01|23|02|02, 5) \Rightarrow 01|02|012|03|12|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|02|23|02$ ,  $(132456) \Rightarrow 01|01|012|02|23|02|02$ ,  
 $(132546) \Rightarrow 01|01|012|02|02|23|02$ ,  $(213456) \Rightarrow 01|02|012|02|13|01|01$  and  $(213546) \Rightarrow 01|02|012|02|01|13|01$

$\mathcal{K}_{01,4}(01|02|012|01|23|03|02, \infty, 3, 5, 6) \Rightarrow 01|02|012|03|23|03|02$ ,  $01|02|023|03|23|03|02$ ,  $01|02|012|03|12|03|02$ ,  
 $01|02|012|03|23|01|02$  (Case 1).

$\mathcal{K}_{01,3}(01|02|012|01|23|03|02, \infty, 5, 6) \Rightarrow 01|02|023|01|23|03|02$ ,  $01|02|023|01|12|03|02$ ,  $01|02|023|01|23|01|02$   
(Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|012|01|23|02|03$ ,  $(123546) \Rightarrow 01|02|012|01|03|23|02$ ,  
 $(123564) \Rightarrow 01|02|012|01|02|23|03$ ,  $(132456) \Rightarrow 01|01|012|02|23|03|02$ ,  $(132465) \Rightarrow 01|01|012|02|23|02|03$ ,  
 $(132546) \Rightarrow 01|01|012|02|03|23|02$ ,  $(132564) \Rightarrow 01|01|012|02|02|23|03$ ,  $(143265) \Rightarrow 01|23|012|01|02|02|03$ ,  
 $(213456) \Rightarrow 01|02|012|02|13|03|01$ ,  $(213465) \Rightarrow 01|02|012|02|13|01|03$ ,  $(213546) \Rightarrow 01|02|012|02|03|13|01$ ,  
 $(213564) \Rightarrow 01|02|012|02|01|13|03$  and  $(243165) \Rightarrow 01|23|023|23|02|02|12$

$\mathcal{K}_{03,4}(01|02|012|01|23|03|03, 3, 5, 6, 7) \Rightarrow 01|02|023|03|23|03|03$ ,  $01|02|012|03|12|03|03$ ,  $01|02|012|03|23|01|02$ ,  
 $01|02|012|03|23|03|01$  (Case 1).

$\mathcal{K}_{03,3}(01|02|012|01|23|03|03, 5, 6, 7) \Rightarrow 01|02|023|01|12|03|03$ ,  $01|02|023|01|23|01|03$ ,  $01|02|023|01|23|03|01$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|03|23|03$ ,  $(132456) \Rightarrow 01|01|012|02|23|03|03$ ,  
 $(132546) \Rightarrow 01|01|012|02|03|23|03$ ,  $(213456) \Rightarrow 01|02|012|02|13|03|03$  and  $(213546) \Rightarrow 01|02|012|02|03|13|03$

$\mathcal{K}_{02,2}(01|02|012|01|23|12|02, 1, 3, 5) \Rightarrow 01|02|123|13|02|12|23$ ,  $01|23|023|01|23|02|12$ ,  $01|23|012|01|02|12|02$   
(Case 1).

$\mathcal{K}_{02,3}(01|02|012|01|23|12|02, 1, 5) \Rightarrow 01|23|012|03|12|02|23$ ,  $01|02|123|01|02|12|02$  (Case 1).

$\mathcal{K}_{02,1}(01|02|012|01|23|12|02, 5) \Rightarrow 01|23|023|02|23|03|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|12|23|02$ ,  $(124563) \Rightarrow 01|02|012|02|01|23|12$ ,  
 $(124653) \Rightarrow 01|02|012|02|01|12|23$ ,  $(125463) \Rightarrow 01|02|012|02|23|01|12$ ,  $(125643) \Rightarrow 01|02|012|02|12|01|23$ ,  
 $(126453) \Rightarrow 01|02|012|02|23|12|01$ ,  $(126543) \Rightarrow 01|02|012|02|12|23|01$ ,  $(134625) \Rightarrow 01|02|012|12|01|12|23$ ,  
 $(135624) \Rightarrow 01|02|012|12|12|01|23$ ,  $(213456) \Rightarrow 01|02|012|02|13|12|01$ ,  $(213546) \Rightarrow 01|02|012|02|12|13|01$ ,  
 $(214563) \Rightarrow 01|02|012|01|02|13|12$ ,  $(214653) \Rightarrow 01|02|012|01|02|12|13$ ,  $(215463) \Rightarrow 01|02|012|01|13|02|12$ ,  
 $(215643) \Rightarrow 01|02|012|01|12|02|13$ ,  $(216453) \Rightarrow 01|02|012|01|13|12|02$ ,  $(216543) \Rightarrow 01|02|012|01|12|13|02$ ,  
 $(234615) \Rightarrow 01|02|012|12|02|12|13$  and  $(235614) \Rightarrow 01|02|012|12|12|02|13$

$\mathcal{K}_{01,3}(01|02|012|01|23|12|12, \infty, 2, 4, 5) \Rightarrow 01|02|123|01|23|12|12$ ,  $01|23|023|01|23|02|02$ ,  $01|02|123|13|23|12$ ,  
 $01|02|123|01|02|12|12$  (Case 1).

$\mathcal{K}_{01,4}(01|02|012|01|23|12|12, \infty, 2, 5) \Rightarrow 01|02|012|13|23|12|12$ ,  $01|23|012|03|23|02|02$ ,  $01|02|012|13|02|12|12$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|12|23|12$ ,  $(213456) \Rightarrow 01|02|012|02|13|12|12$ ,  
 $(213546) \Rightarrow 01|02|012|02|12|13|12$ ,  $(412536) \Rightarrow 01|02|012|12|02|13|12$ ,  $(413526) \Rightarrow 01|02|012|12|12|03|02$ ,  
 $(421536) \Rightarrow 01|02|012|12|01|23|12$ ,  $(423516) \Rightarrow 01|02|012|12|12|03|01$ ,  $(431526) \Rightarrow 01|02|012|12|01|23|02$ ,  
 $(431625) \Rightarrow 01|02|012|12|01|02|23$ ,  $(432516) \Rightarrow 01|02|012|12|02|13|01$ ,  $(432615) \Rightarrow 01|02|012|12|02|01|13$ ,  
 $(512436) \Rightarrow 01|02|012|12|13|02|12$ ,  $(513426) \Rightarrow 01|02|012|12|03|12|02$ ,  $(521436) \Rightarrow 01|02|012|12|23|01|12$ ,  
 $(523416) \Rightarrow 01|02|012|12|03|12|01$ ,  $(531426) \Rightarrow 01|02|012|12|23|01|02$ ,  $(531624) \Rightarrow 01|02|012|12|02|01|23$ ,  
 $(532416) \Rightarrow 01|02|012|12|13|02|01$ ,  $(532614) \Rightarrow 01|02|012|12|01|02|13$ ,  $(613425) \Rightarrow 01|02|012|12|03|02|12$ ,  
 $(613524) \Rightarrow 01|02|012|12|02|03|12$ ,  $(623415) \Rightarrow 01|02|012|12|03|01|12$  and  $(623514) \Rightarrow 01|02|012|12|01|03|12$

$\mathcal{K}_{02,2}(01|02|012|02|01|02|02, \infty, 6, 7) \Rightarrow 01|02|013|03|01|03|03$ ,  $01|02|013|03|01|02|03$ ,  $01|02|013|03|01|03|01$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|02|01|02|02, \infty, 6, 7) \Rightarrow 01|02|013|02|01|02|02$ ,  $01|02|013|02|01|03|02$ ,  $01|02|013|02|01|02|01$  (Case 1).

$\mathcal{K}_{02,4}(01|02|012|02|01|02|02, \infty, 6, 7) \Rightarrow 01|02|012|03|01|02|02$ ,  $01|02|012|03|01|03|02$ ,  $01|02|012|03|01|02|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|02|01|02$ ,  $(213456) \Rightarrow 01|02|012|01|02|01|01$ ,  
 $(213546) \Rightarrow 01|02|012|01|01|02|01$ ,  $(312456) \Rightarrow 01|01|012|02|02|01|01$  and  $(312546) \Rightarrow 01|01|012|02|01|02|01$

$\mathcal{K}_{12,4}(01|02|012|02|01|23|23, \infty, 2, 3, 5, 6, 7) \Rightarrow 01|02|012|23|01|23|23$ ,  $01|23|012|23|01|23|23$ ,  
 $01|02|123|23|01|23|23$ ,  $01|02|012|23|13|23|23$ ,  $01|02|012|23|01|02|23$ ,  $01|02|012|23|01|23|02$  (Case 1).

$\mathcal{K}_{12,3}(01|02|012|02|01|23|23, \infty, 2, 5, 6, 7) \Rightarrow 01|02|123|02|01|23|23$ ,  $01|23|023|12|01|23|23$ ,  
 $01|02|123|02|13|23|23$ ,  $01|02|123|02|01|02|23$ ,  $01|02|123|02|01|23|02$  (Case 1).

$\mathcal{K}_{12,1}(01|02|012|02|01|23|23, \infty) \Rightarrow 01|23|023|23|02|13|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|23|01|23$ ,  $(213456) \Rightarrow 01|02|012|01|02|13|13$   
and  $(213546) \Rightarrow 01|02|012|01|13|02|13$

$\mathcal{K}_{12,4}(01|02|012|02|02|02|23, \infty, 1, 2, 5, 6, 7) \Rightarrow 01|02|012|23|02|02|23$ ,  $01|23|023|12|23|23|12$ ,  
 $01|23|012|23|02|02|23$ ,  $01|02|012|23|23|02|23$ ,  $01|02|012|23|02|23|23$ ,  $01|02|012|23|02|02|02$  (Case 1).

$\mathcal{K}_{12,1}(01|02|012|02|02|02|23, \infty, 2, 5, 6, 7) \Rightarrow 01|23|023|23|23|23|12$ ,  $01|02|123|23|23|23|02$ ,  
 $01|23|023|23|12|23|12$ ,  $01|23|023|23|23|12|12$ ,  $01|23|023|23|23|23|23$  (Case 1).

$\mathcal{K}_{12,2}(01|02|012|02|02|02|23, 7) \Rightarrow 01|23|012|02|02|02|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|01|01|01|13$

$\mathcal{K}_{01,2}(01|02|012|02|02|12|12, \infty, 1, 3, 4) \Rightarrow 01|23|012|02|02|12|12$ ,  $01|02|123|23|23|12|12$ ,  $01|23|023|12|12|01|12$   
 $01|23|012|23|02|12|12$  (Case 1).

$\mathcal{K}_{01,1}(01|02|012|02|02|12|12, \infty) \Rightarrow 01|23|023|23|23|02|02$  (Case 1).

$\mathcal{K}_{01,3}(01|02|012|02|02|12|12, \infty) \Rightarrow 01|02|123|02|02|12|12$  (Case 1).

$\mathcal{K}_{01,4}(01|02|012|02|02|12|12, \infty) \Rightarrow 01|02|012|23|02|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|12|02|12$ ,  $(213456) \Rightarrow 01|02|012|01|01|12|12$   
and  $(213546) \Rightarrow 01|02|012|01|12|01|12$

$\mathcal{K}_{12,4}(01|02|012|02|02|23|23, \infty, 1, 2, 3, 6, 7) \Rightarrow 01|02|012|23|02|23|23, 01|23|023|12|23|12|12, 01|23|012|23|02|23|23, 01|02|123|23|02|23|23, 01|02|012|23|02|02|23, 01|02|012|23|02|23|02$  (Case 1).

$\mathcal{K}_{12,1}(01|02|012|02|02|23|23, \infty, 2, 3, 6, 7) \Rightarrow 01|23|023|23|23|12|12, 01|02|123|23|23|02|02, 01|23|012|23|23|02|02, 01|23|023|23|23|23|12, 01|23|023|23|23|12|23$  (Case 1).

$\mathcal{K}_{12,2}(01|02|012|02|02|23|23, 7) \Rightarrow 01|23|012|02|02|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|23|02|23, (213456) \Rightarrow 01|02|012|01|01|13|13$  and  $(213546) \Rightarrow 01|02|012|01|13|01|13$

$\mathcal{K}_{02,3}(01|02|012|02|03|01|02, \infty, 4, 5, 7) \Rightarrow 01|02|013|02|03|01|02, 01|02|013|03|03|01|02, 01|02|013|02|02|03, 01|02|013|02|03|01|03$  (Case 1).

$\mathcal{K}_{02,4}(01|02|012|02|03|01|02, \infty, 5, 7) \Rightarrow 01|02|012|03|03|01|02, 01|02|012|03|02|01|02, 01|02|012|03|03|01|03$  (Case 1).

$\mathcal{K}_{02,2}(01|02|012|02|03|01|02, \infty) \Rightarrow 01|02|013|03|02|01|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|01|03|02, (123645) \Rightarrow 01|02|012|02|01|02|03, (123654) \Rightarrow 01|02|012|02|02|01|03, (213456) \Rightarrow 01|02|012|01|03|02|01, (213546) \Rightarrow 01|02|012|01|02|03|01, (213645) \Rightarrow 01|02|012|01|02|01|03, (213654) \Rightarrow 01|02|012|01|01|02|03, (312456) \Rightarrow 01|01|012|02|03|02|01, (312546) \Rightarrow 01|01|012|02|02|03|01, (312645) \Rightarrow 01|01|012|02|02|01|03$  and  $(312654) \Rightarrow 01|01|012|02|01|02|03$

$\mathcal{K}_{12,4}(01|02|012|02|03|02|23, 1, 2, 3, 6, 7) \Rightarrow 01|23|023|12|13|23|12, 01|23|012|23|03|02|23, 01|02|123|23|03|02|23, 01|02|012|23|03|23|23, 01|02|012|23|03|02|02$  (Case 1).

$\mathcal{K}_{12,2}(01|02|012|02|03|02|23, 7) \Rightarrow 01|23|012|02|03|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|02|03|23, (213456) \Rightarrow 01|02|012|01|03|01|13$  and  $(213546) \Rightarrow 01|02|012|01|01|03|13$

$\mathcal{K}_{01,2}(01|02|012|02|03|12|12, 3, 4) \Rightarrow 01|23|023|12|13|02|02, 01|23|012|23|03|12|12$  (Case 1).

$\mathcal{K}_{01,3}(01|02|012|02|03|12|12, 4) \Rightarrow 01|02|123|23|03|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|12|03|12, (213456) \Rightarrow 01|02|012|01|03|12|12, (213546) \Rightarrow 01|02|012|01|12|03|12, (312456) \Rightarrow 01|01|012|02|03|12|12, (312546) \Rightarrow 01|01|012|02|12|03|12$  and  $(312645) \Rightarrow 01|01|012|02|12|12|03$

$\mathcal{K}_{13,4}(01|02|012|02|03|23|23, 1, 2, 3, 6, 7) \Rightarrow 01|23|023|12|13|12|12, 01|23|012|23|03|23|23, 01|02|123|23|03|23|23, 01|02|012|23|03|02|23, 01|02|012|23|03|23|02$  (Case 1).

$\mathcal{K}_{13,2}(01|02|012|02|03|23|23, 7) \Rightarrow 01|23|012|02|03|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|23|03|23, (213456) \Rightarrow 01|02|012|01|03|13|13$  and  $(213546) \Rightarrow 01|02|012|01|13|03|13$

$\mathcal{K}_{02,2}(01|02|012|02|12|01|02, \infty, 5, 7) \Rightarrow 01|02|013|03|13|01|03, 01|02|013|03|12|01|03, 01|02|013|03|13|01|03$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|02|12|01|02, \infty, 5, 7) \Rightarrow 01|02|013|02|12|01|02, 01|02|013|02|13|01|02, 01|02|013|02|12|01|03$  (Case 1).

$\mathcal{K}_{02,4}(01|02|012|02|12|01|02, \infty, 5, 7) \Rightarrow 01|02|012|03|12|01|02, 01|02|012|03|13|01|02, 01|02|012|03|12|01|03$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|012|02|12|02|01$ ,  $(123546) \Rightarrow 01|02|012|02|01|12|02$ ,  
 $(123564) \Rightarrow 01|02|012|02|02|12|01$ ,  $(213456) \Rightarrow 01|02|012|01|12|02|01$ ,  $(213465) \Rightarrow 01|02|012|01|12|01|02$ ,  
 $(213546) \Rightarrow 01|02|012|01|02|12|01$ ,  $(213564) \Rightarrow 01|02|012|01|01|12|02$ ,  $(312456) \Rightarrow 01|01|012|02|12|02|01$ ,  
 $(312465) \Rightarrow 01|01|012|02|12|01|02$ ,  $(312546) \Rightarrow 01|01|012|02|02|12|01$  and  $(312564) \Rightarrow 01|01|012|02|01|12|02$

$\mathcal{K}_{02,4}(01|02|012|02|12|02|02, 2, 6, 7) \Rightarrow 01|23|012|23|02|12|12, 01|02|012|23|12|23|02, 01|02|012|23|12|02|23$   
(Case 1).

$\mathcal{K}_{02,3}(01|02|012|02|12|02|02, 2, 6, 7) \Rightarrow 01|23|023|12|02|12|12, 01|02|123|02|12|23|02, 01|02|123|02|12|02|23$   
(Case 1).

$\mathcal{K}_{02,2}(01|02|012|02|12|02|02, 1, 6, 7) \Rightarrow 01|02|123|23|12|23|23, 01|23|012|02|12|23|02, 01|23|012|02|12|02|23$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|02|12|02$ ,  $(213456) \Rightarrow 01|02|012|01|12|01|01$ ,  
 $(213546) \Rightarrow 01|02|012|01|01|12|01$ ,  $(412356) \Rightarrow 01|01|012|02|12|01|01$  and  $(512346) \Rightarrow 01|01|012|02|01|12|01$

$\mathcal{K}_{13,2}(01|02|012|02|12|03|23, \infty, 3, 4, 7) \Rightarrow 01|23|012|02|12|03|23, 01|23|023|12|02|13|23, 01|23|012|23|02|13$   
 $01|23|012|02|12|03|02$  (Case 1).

$\mathcal{K}_{13,4}(01|02|012|02|12|03|23, \infty, 3, 7) \Rightarrow 01|02|012|23|12|03|23, 01|02|123|23|12|03|23, 01|02|012|23|12|03|23$   
(Case 1).

$\mathcal{K}_{13,1}(01|02|012|02|12|03|23, \infty) \Rightarrow 01|23|023|23|02|13|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|03|12|23$ ,  $(213456) \Rightarrow 01|02|012|01|12|03|13$ ,  
 $(213546) \Rightarrow 01|02|012|01|03|12|13$ ,  $(312645) \Rightarrow 01|01|012|02|03|13|12$  and  $(312654) \Rightarrow 01|01|012|02|13|03|12$

$\mathcal{K}_{23,3}(01|02|012|02|12|23|03, \infty, 2, 4, 6) \Rightarrow 01|02|123|02|12|23|03, 01|23|023|12|02|23|13, 01|02|123|23|12|23|03$   
 $01|02|123|02|12|02|03$  (Case 1).

$\mathcal{K}_{23,2}(01|02|012|02|12|23|03, \infty, 4, 6) \Rightarrow 01|23|012|02|12|23|03, 01|23|012|23|02|23|13, 01|23|012|02|12|02|23$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|23|12|03$ ,  $(213456) \Rightarrow 01|02|012|01|12|13|03$ ,  
 $(213546) \Rightarrow 01|02|012|01|13|12|03$ ,  $(312456) \Rightarrow 01|01|012|02|12|13|03$  and  $(312546) \Rightarrow 01|01|012|02|13|12|03$

$\mathcal{K}_{02,4}(01|02|012|02|12|23|23, 2, 3, 6, 7) \Rightarrow 01|23|012|23|02|23|23, 01|02|123|23|12|23|23, 01|02|012|23|12|02|23$   
 $01|02|012|23|12|23|02$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|02|12|23|23, 2, 6, 7) \Rightarrow 01|23|023|12|02|23|23, 01|02|123|02|12|02|23, 01|02|123|02|12|23|02$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|23|12|23$ ,  $(213456) \Rightarrow 01|02|012|01|12|13|13$ ,  
 $(213546) \Rightarrow 01|02|012|01|13|12|13$ ,  $(412356) \Rightarrow 01|01|012|02|12|03|03$ ,  $(413256) \Rightarrow 01|02|012|01|12|03|03$ ,  
 $(423156) \Rightarrow 01|02|012|02|12|03|03$ ,  $(512346) \Rightarrow 01|01|012|02|03|12|03$ ,  $(513246) \Rightarrow 01|02|012|01|03|12|03$   
and  $(523146) \Rightarrow 01|02|012|02|03|12|03$

$\mathcal{K}_{02,4}(01|02|012|02|13|02|02, 3, 5, 6, 7) \Rightarrow 01|02|013|03|13|02|02, 01|02|012|03|12|02|02, 01|02|012|03|13|03$   
 $01|02|012|03|13|02|03$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|02|13|02|02, 5, 6, 7) \Rightarrow 01|02|013|02|12|02|02, 01|02|013|02|13|03|02, 01|02|013|02|13|02|03$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|02|13|02$ ,  $(213456) \Rightarrow 01|02|012|01|23|01|01$ ,  
 $(213546) \Rightarrow 01|02|012|01|01|23|01$ ,  $(312456) \Rightarrow 01|01|012|02|23|01|01$  and  $(312546) \Rightarrow 01|01|012|02|01|23|01$

$\mathcal{K}_{12,4}(01|02|012|02|13|02|23, \infty, 2, 3, 5, 6, 7) \Rightarrow 01|02|012|23|13|02|23, 01|23|012|23|03|12|23, 01|02|123|23|13|02|23, 01|02|012|23|01|02|23, 01|02|012|23|13|23|23, 01|02|012|23|13|02|02$  (Case 1).

$\mathcal{K}_{12,3}(01|02|012|02|13|02|23, \infty, 2, 5, 6, 7) \Rightarrow 01|02|123|02|13|02|23, 01|23|023|12|03|12|23, 01|02|123|02|01|02|23, 01|02|123|02|13|23|23, 01|02|123|02|13|02|02$  (Case 1).

$\mathcal{K}_{12,2}(01|02|012|02|13|02|23, \infty) \Rightarrow 01|23|012|02|13|02|23$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|012|02|13|23|02, (123546) \Rightarrow 01|02|012|02|02|13|23, (123564) \Rightarrow 01|02|012|02|23|13|02, (213456) \Rightarrow 01|02|012|01|23|01|13, (213465) \Rightarrow 01|02|012|01|23|13|01, (213546) \Rightarrow 01|02|012|01|01|23|13$  and  $(213564) \Rightarrow 01|02|012|01|13|23|01$

$\mathcal{K}_{23,3}(01|02|012|02|13|23|03, 2, 4, 5, 6) \Rightarrow 01|23|023|12|03|23|13, 01|02|123|23|13|23|03, 01|02|123|02|01|23|03, 01|02|123|02|13|02|03$  (Case 1).

$\mathcal{K}_{23,2}(01|02|012|02|13|23|03, 4, 5, 6) \Rightarrow 01|23|012|23|03|23|13, 01|23|012|02|01|23|03, 01|23|012|02|13|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|23|13|03, (124536) \Rightarrow 01|02|012|23|02|13|03, (125436) \Rightarrow 01|02|012|23|13|02|03, (213456) \Rightarrow 01|02|012|01|23|13|03, (213546) \Rightarrow 01|02|012|01|13|23|03, (214536) \Rightarrow 01|02|012|13|01|23|03, (215436) \Rightarrow 01|02|012|13|23|01|03, (312456) \Rightarrow 01|01|012|02|23|13|03, (312546) \Rightarrow 01|01|012|02|13|23|03, (412356) \Rightarrow 01|01|012|23|02|13|03$  and  $(512346) \Rightarrow 01|01|012|23|03|12|13$

$\mathcal{K}_{01,4}(01|02|012|02|13|23|12, 2, 3, 5, 6) \Rightarrow 01|23|012|23|03|23|02, 01|02|123|23|13|23|12, 01|02|012|23|01|23|03, 01|02|012|23|13|02|12$  (Case 1).

$\mathcal{K}_{01,3}(01|02|012|02|13|23|12, 2, 5, 6) \Rightarrow 01|23|023|12|03|23|02, 01|02|123|02|01|23|12, 01|02|123|02|13|02|13$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|012|02|13|12|23, (123546) \Rightarrow 01|02|012|02|23|13|12, (123564) \Rightarrow 01|02|012|02|12|13|23, (143562) \Rightarrow 01|02|012|12|12|03|23, (153462) \Rightarrow 01|02|012|12|03|12|23, (163452) \Rightarrow 01|02|012|12|03|23|12, (163542) \Rightarrow 01|02|012|12|23|03|12, (213456) \Rightarrow 01|02|012|01|23|13|12, (213465) \Rightarrow 01|02|012|01|23|12|13, (213546) \Rightarrow 01|02|012|01|13|23|12, (213564) \Rightarrow 01|02|012|01|12|23|13, (243561) \Rightarrow 01|02|012|12|12|03|13, (253461) \Rightarrow 01|02|012|12|03|12|13, (263451) \Rightarrow 01|02|012|12|03|13|12$  and  $(263541) \Rightarrow 01|02|012|12|13|03|12$

$\mathcal{K}_{03,4}(01|02|012|02|13|23|23, \infty, 2, 3, 5, 6, 7) \Rightarrow 01|02|012|23|13|23|23, 01|23|012|23|03|23|23, 01|02|123|23|13|23|23, 01|02|012|23|01|23|23, 01|02|012|23|13|02|23, 01|02|012|23|13|23|02$  (Case 1).

$\mathcal{K}_{03,3}(01|02|012|02|13|23|23, \infty, 2, 5, 6, 7) \Rightarrow 01|02|123|02|13|23|23, 01|23|023|12|03|23|23, 01|02|123|02|01|23|23, 01|02|123|02|13|02|23, 01|02|123|02|13|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|23|13|23, (213456) \Rightarrow 01|02|012|01|23|13|13$  and  $(213546) \Rightarrow 01|02|012|01|13|23|13$

$\mathcal{K}_{03,4}(01|02|012|02|23|01|02, \infty, 2, 3, 5, 6, 7) \Rightarrow 01|02|012|23|23|01|02, 01|23|012|23|23|01|02, 01|02|123|23|23|01|02, 01|02|012|23|02|01|02, 01|02|012|23|23|13|02, 01|02|012|23|23|01|23$  (Case 1).

$\mathcal{K}_{03,3}(01|02|012|02|23|01|02, \infty, 2, 5, 6, 7) \Rightarrow 01|02|123|02|23|01|02, 01|23|023|12|23|01|12, 01|02|123|02|02|01|02, 01|02|123|02|23|13|02, 01|02|123|02|23|01|23$  (Case 1).

$\mathcal{K}_{03,1}(01|02|012|02|23|01|02, \infty) \Rightarrow 01|23|023|23|12|03|23$  (Case 1).

$\mathcal{K}_{03,2}(01|02|012|02|23|01|02, \infty) \Rightarrow 01|23|012|02|23|01|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|01|23|02$ ,  $(123645) \Rightarrow 01|02|012|02|01|02|23$ ,  
 $(123654) \Rightarrow 01|02|012|02|02|01|23$ ,  $(213456) \Rightarrow 01|02|012|01|13|02|01$ ,  $(213546) \Rightarrow 01|02|012|01|02|13|01$ ,  
 $(213645) \Rightarrow 01|02|012|01|02|01|13$  and  $(213654) \Rightarrow 01|02|012|01|01|02|13$

$\mathcal{K}_{02,4}(01|02|012|02|23|12|02, 2, 3, 5, 7) \Rightarrow 01|23|012|23|23|02|12$ ,  $01|02|123|23|23|12|02$ ,  $01|02|012|23|02|12|01|02|012|23|23|12|23$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|02|23|12|02, 2, 5, 7) \Rightarrow 01|23|023|12|23|02|12$ ,  $01|02|123|02|02|12|02$ ,  $01|02|123|02|23|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|12|23|02$ ,  $(123645) \Rightarrow 01|02|012|02|12|02|23$ ,  
 $(123654) \Rightarrow 01|02|012|02|02|12|23$ ,  $(213456) \Rightarrow 01|02|012|01|13|12|01$ ,  $(213546) \Rightarrow 01|02|012|01|12|13|01$ ,  
 $(213645) \Rightarrow 01|02|012|01|12|01|13$ ,  $(213654) \Rightarrow 01|02|012|01|01|12|13$ ,  $(412536) \Rightarrow 01|01|012|02|12|03|01$ ,  
 $(412635) \Rightarrow 01|01|012|02|12|01|03$ ,  $(413526) \Rightarrow 01|02|012|01|12|03|01$ ,  $(413625) \Rightarrow 01|02|012|01|12|01|03$ ,  
 $(423516) \Rightarrow 01|02|012|02|12|03|02$ ,  $(423615) \Rightarrow 01|02|012|02|12|02|03$ ,  $(512436) \Rightarrow 01|01|012|02|03|12|01$ ,  
 $(512634) \Rightarrow 01|01|012|02|01|12|03$ ,  $(513426) \Rightarrow 01|02|012|01|03|12|01$ ,  $(513624) \Rightarrow 01|02|012|01|01|12|03$ ,  
 $(523416) \Rightarrow 01|02|012|02|03|12|02$  and  $(523614) \Rightarrow 01|02|012|02|02|12|03$

$\mathcal{K}_{01,3}(01|02|012|02|23|12|12, \infty, 2, 4, 5) \Rightarrow 01|02|123|02|23|12|12$ ,  $01|23|023|12|23|02|02$ ,  $01|02|123|23|23|01|02|123|02|02|12|12$  (Case 1).

$\mathcal{K}_{01,4}(01|02|012|02|23|12|12, \infty, 2, 5) \Rightarrow 01|02|012|23|23|12|12$ ,  $01|23|012|23|23|02|02$ ,  $01|02|012|23|02|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|12|23|12$ ,  $(123645) \Rightarrow 01|02|012|02|12|12|23$ ,  
 $(143625) \Rightarrow 01|02|012|12|12|02|23$ ,  $(153624) \Rightarrow 01|02|012|12|02|12|23$ ,  $(163425) \Rightarrow 01|02|012|12|23|02|12$ ,  
 $(163524) \Rightarrow 01|02|012|12|02|23|12$ ,  $(213456) \Rightarrow 01|02|012|01|13|12|12$ ,  $(213546) \Rightarrow 01|02|012|01|12|13|12$ ,  
 $(213645) \Rightarrow 01|02|012|01|12|12|13$ ,  $(243615) \Rightarrow 01|02|012|12|12|01|13$ ,  $(253614) \Rightarrow 01|02|012|12|01|12|13$ ,  
 $(263415) \Rightarrow 01|02|012|12|13|01|12$ ,  $(263514) \Rightarrow 01|02|012|12|01|13|12$ ,  $(412536) \Rightarrow 01|01|012|02|12|03|02$ ,  
 $(412635) \Rightarrow 01|01|012|02|12|02|03$ ,  $(413526) \Rightarrow 01|02|012|01|12|03|02$ ,  $(413625) \Rightarrow 01|02|012|01|12|02|03$ ,  
 $(423516) \Rightarrow 01|02|012|02|12|03|01$ ,  $(423615) \Rightarrow 01|02|012|02|12|01|03$ ,  $(512436) \Rightarrow 01|01|012|02|03|12|02$ ,  
 $(512634) \Rightarrow 01|01|012|02|02|12|03$ ,  $(513426) \Rightarrow 01|02|012|01|03|12|02$ ,  $(513624) \Rightarrow 01|02|012|01|02|12|03$ ,  
 $(523416) \Rightarrow 01|02|012|02|03|12|01$  and  $(523614) \Rightarrow 01|02|012|02|01|12|03$

$\mathcal{K}_{02,2}(01|02|012|03|01|12|23, \infty, 1, 3, 7) \Rightarrow 01|23|012|03|01|12|23$ ,  $01|02|123|03|13|12|02$ ,  $01|23|023|12|01|02|01|23|012|03|01|12|02$  (Case 1).

$\mathcal{K}_{02,1}(01|02|012|03|01|12|23, \infty) \Rightarrow 01|23|023|12|02|03|13$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|03|01|12|23, \infty) \Rightarrow 01|02|123|03|01|12|23$  (Case 1).

$\mathcal{K}_{02,7}(01|02|012|03|01|12|23, \infty) \Rightarrow 01|02|012|03|01|12|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|12|01|23$ ,  $(213456) \Rightarrow 01|02|012|03|02|12|13$   
and  $(213546) \Rightarrow 01|02|012|03|12|02|13$

$\mathcal{K}_{13,7}(01|02|012|03|01|23|23, 2, 3, 5, 6) \Rightarrow 01|23|012|03|01|23|02$ ,  $01|02|123|03|01|23|02$ ,  $01|02|012|03|13|23|01|02|012|03|01|02|02$  (Case 1).

$\mathcal{K}_{13,3}(01|02|012|03|01|23|23, 2, 5, 6) \Rightarrow 01|23|023|12|01|23|23$ ,  $01|02|123|03|13|23|23$ ,  $01|02|123|03|01|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|23|01|23$ ,  $(213456) \Rightarrow 01|02|012|03|02|13|13$ ,  
 $(213546) \Rightarrow 01|02|012|03|13|02|13$ ,  $(312645) \Rightarrow 01|02|013|03|12|12|03$  and  $(321645) \Rightarrow 01|02|023|03|12|12|03$

$\mathcal{K}_{12,2}(01|02|012|03|12|02|23, \infty, 1, 3, 7) \Rightarrow 01|23|012|03|12|02|23, 01|02|123|03|12|23|02, 01|23|023|12|03|12|03|12|02|02$  (Case 1).

$\mathcal{K}_{12,1}(01|02|012|03|12|02|23, \infty) \Rightarrow 01|23|023|12|03|23|13$  (Case 1).

$\mathcal{K}_{12,3}(01|02|012|03|12|02|23, \infty) \Rightarrow 01|02|123|03|12|02|23$  (Case 1).

$\mathcal{K}_{12,7}(01|02|012|03|12|02|23, \infty) \Rightarrow 01|02|012|03|12|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|02|12|23$ ,  $(213456) \Rightarrow 01|02|012|03|12|01|13$   
and  $(213546) \Rightarrow 01|02|012|03|01|12|13$

$\mathcal{K}_{13,2}(01|02|012|03|12|03|23, 3, 7) \Rightarrow 01|23|023|12|03|12|23, 01|23|012|03|12|03|02$  (Case 1).

$\mathcal{K}_{13,3}(01|02|012|03|12|03|23, 7) \Rightarrow 01|02|123|03|12|03|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|03|12|23$ ,  $(213456) \Rightarrow 01|02|012|03|12|03|13$   
and  $(213546) \Rightarrow 01|02|012|03|03|12|13$

$\mathcal{K}_{03,3}(01|02|012|03|12|13|23, \infty, 2, 6, 7) \Rightarrow 01|02|123|03|12|13|23, 01|23|023|12|03|02|23, 01|02|123|03|12|03|12|13|02$  (Case 1).

$\mathcal{K}_{03,7}(01|02|012|03|12|13|23, \infty, 2, 6) \Rightarrow 01|02|012|03|12|13|02, 01|23|012|03|12|13|02, 01|02|012|03|12|01|13|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|13|12|23$ ,  $(143256) \Rightarrow 01|02|012|13|12|03|23$ ,  
 $(153246) \Rightarrow 01|02|012|13|03|12|23$ ,  $(213456) \Rightarrow 01|02|012|03|12|23|13$ ,  $(213546) \Rightarrow 01|02|012|03|23|12|13$ ,  
 $(243156) \Rightarrow 01|02|012|23|12|03|13$  and  $(253146) \Rightarrow 01|02|012|23|03|12|13$

$\mathcal{K}_{02,3}(01|02|012|03|12|23|23, \infty, 2, 6, 7) \Rightarrow 01|02|123|03|12|23|23, 01|23|023|12|03|23|23, 01|02|123|03|12|03|12|23|02$  (Case 1).

$\mathcal{K}_{02,7}(01|02|012|03|12|23|23, \infty, 2, 6) \Rightarrow 01|02|012|03|12|23|02, 01|23|012|03|12|23|02, 01|02|012|03|12|02|13|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|23|12|23$ ,  $(213456) \Rightarrow 01|02|012|03|12|13|13$ ,  
 $(213546) \Rightarrow 01|02|012|03|13|12|13$ ,  $(312645) \Rightarrow 01|02|013|03|12|12|13$ ,  $(321645) \Rightarrow 01|02|023|03|12|12|23$ ,  
 $(413256) \Rightarrow 01|02|012|13|12|03|03$ ,  $(423156) \Rightarrow 01|02|012|23|12|03|03$ ,  $(513246) \Rightarrow 01|02|012|13|03|12|03$ ,  
 $(523146) \Rightarrow 01|02|012|23|03|12|03$ ,  $(612345) \Rightarrow 01|02|013|13|12|12|03$  and  $(621345) \Rightarrow 01|02|023|23|12|12|03$

$\mathcal{K}_{12,7}(01|02|012|03|13|02|23, 2, 3, 5, 6) \Rightarrow 01|23|012|03|13|02|02, 01|02|123|03|13|02|02, 01|02|012|03|01|02|13|02|02$  (Case 1).

$\mathcal{K}_{12,3}(01|02|012|03|13|02|23, 2, 5, 6) \Rightarrow 01|23|023|12|02|13|23, 01|02|123|03|01|02|23, 01|02|123|03|13|23|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|02|13|23$ ,  $(213456) \Rightarrow 01|02|012|03|23|01|13$   
and  $(213546) \Rightarrow 01|02|012|03|01|23|13$

$\mathcal{K}_{03,7}(01|02|012|03|13|23|23, 2, 3, 5, 6) \Rightarrow 01|23|012|03|13|23|02, 01|02|123|03|13|23|02, 01|02|012|03|01|23|02|02$  (Case 1).

$\mathcal{K}_{03,3}(01|02|012|03|13|23|23, 2, 5, 6) \Rightarrow 01|23|023|12|02|23|23, 01|02|123|03|01|23|23, 01|02|123|03|13|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|23|13|13$ ,  $(213456) \Rightarrow 01|02|012|03|23|13|13$ ,  $(213546) \Rightarrow 01|02|012|03|13|23|13$ ,  $(312645) \Rightarrow 01|02|013|03|12|12|23$ ,  $(321645) \Rightarrow 01|02|023|03|12|12|13$ ,  $(612345) \Rightarrow 01|02|013|23|12|12|03$  and  $(621345) \Rightarrow 01|02|023|13|12|12|03$

$\mathcal{K}_{01,2}(01|02|012|12|01|02|12, \infty, 3, 5, 6) \Rightarrow 01|23|012|02|01|12|02, 01|23|023|02|01|12|02, 01|23|012|02|03|01|23|012|02|01|23|02$  (Case 1).

$\mathcal{K}_{01,3}(01|02|012|12|01|02|12, \infty, 5, 6) \Rightarrow 01|02|123|12|01|02|12, 01|02|123|12|13|02|12, 01|02|123|12|01|23|02$  (Case 1).

$\mathcal{K}_{01,1}(01|02|012|12|01|02|12, \infty) \Rightarrow 01|23|023|02|03|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|02|01|12$ ,  $(312456) \Rightarrow 01|02|012|12|12|01|02$ ,  $(312546) \Rightarrow 01|02|012|12|01|12|02$ ,  $(321456) \Rightarrow 01|02|012|12|12|02|01$  and  $(321546) \Rightarrow 01|02|012|12|02|12|01$

$\mathcal{K}_{02,3}(01|02|012|12|01|23|23, 1, 2, 5, 6, 7) \Rightarrow 01|23|012|02|03|12|12, 01|23|023|02|01|23|23, 01|02|123|12|13|23|23, 01|02|123|12|01|02|23, 01|02|123|12|01|23|02$  (Case 1).

$\mathcal{K}_{02,2}(01|02|012|12|01|23|23, 6) \Rightarrow 01|23|012|02|01|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|23|01|23$ ,  $(213456) \Rightarrow 01|02|012|12|02|13|13$  and  $(213546) \Rightarrow 01|02|012|12|13|02|13$

$\mathcal{K}_{01,2}(01|02|012|12|02|12|12, 3, 5) \Rightarrow 01|23|023|02|12|02|02, 01|23|012|02|23|02|02$  (Case 1).

$\mathcal{K}_{01,3}(01|02|012|12|02|12|12, 5) \Rightarrow 01|02|123|12|23|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|12|02|12$ ,  $(213456) \Rightarrow 01|02|012|12|01|12|12$ ,  $(213546) \Rightarrow 01|02|012|12|12|01|12$ ,  $(413256) \Rightarrow 01|01|012|02|12|02|02$  and  $(513246) \Rightarrow 01|01|012|02|02|12|02$

$\mathcal{K}_{02,4}(01|02|012|12|02|23|23, \infty, 3, 6, 7) \Rightarrow 01|02|012|23|02|23|23, 01|02|023|23|02|23|23, 01|02|012|23|02|12|01|02|012|23|02|23|12$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|12|02|23|23, \infty, 6, 7) \Rightarrow 01|02|023|12|02|23|23, 01|02|023|12|02|12|23, 01|02|023|12|02|23|02|12|01|02|012|23|02|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|23|02|23$ ,  $(213456) \Rightarrow 01|02|012|12|01|13|13$  and  $(213546) \Rightarrow 01|02|012|12|13|01|13$

$\mathcal{K}_{02,4}(01|02|012|12|03|12|12, 3, 5, 6, 7) \Rightarrow 01|02|023|23|03|12|12, 01|02|012|23|01|12|12, 01|02|012|23|03|23|01|02|012|23|03|12|23$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|12|03|12|12, 5, 6, 7) \Rightarrow 01|02|023|12|01|12|12, 01|02|023|12|03|23|12, 01|02|023|12|03|12|23|01|02|012|23|03|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|12|03|12$ ,  $(143526) \Rightarrow 01|02|012|02|12|13|02$ ,  $(153426) \Rightarrow 01|02|012|02|13|12|02$ ,  $(163425) \Rightarrow 01|02|012|02|13|02|12$ ,  $(163524) \Rightarrow 01|02|012|02|02|13|12$ ,  $(243516) \Rightarrow 01|02|012|01|12|23|01$ ,  $(253416) \Rightarrow 01|02|012|01|23|12|01$ ,  $(263415) \Rightarrow 01|02|012|01|23|01|12$  and  $(263514) \Rightarrow 01|02|012|01|01|23|12$

$\mathcal{K}_{02,3}(01|02|012|12|12|23|23, \infty, 1, 2, 6, 7) \Rightarrow 01|02|123|12|12|23|23, 01|23|012|02|02|12|12, 01|23|023|02|02|23|23, 01|02|123|12|12|02|23, 01|02|123|12|12|23|02$  (Case 1).

$\mathcal{K}_{02,1}(01|02|012|12|12|23|23, \infty) \Rightarrow 01|23|023|02|02|12|12$  (Case 1).

$\mathcal{K}_{02,2}(01|02|012|12|12|23|23, 6) \Rightarrow 01|23|012|02|02|12|23$  (Case 1).



Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|23|12|23$ ,  $(213456) \Rightarrow 01|02|012|12|12|13|13$   
and  $(213546) \Rightarrow 01|02|012|12|13|12|13$

$\mathcal{K}_{02,3}(01|02|012|12|13|12|02, \infty, 1, 2, 5, 7) \Rightarrow 01|02|123|12|13|12|02$ ,  $01|23|012|02|01|02|23$ ,  
 $01|23|023|02|03|02|12$ ,  $01|02|123|12|01|12|02$ ,  $01|02|123|12|13|12|23$  (Case 1).

$\mathcal{K}_{02,1}(01|02|012|12|13|12|02, \infty) \Rightarrow 01|23|023|02|01|02|23$  (Case 1).

$\mathcal{K}_{02,2}(01|02|012|12|13|12|02, 5) \Rightarrow 01|23|012|02|01|02|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|12|13|02$ ,  $(213456) \Rightarrow 01|02|012|12|23|12|01$   
and  $(213546) \Rightarrow 01|02|012|12|12|23|01$

$\mathcal{K}_{02,3}(01|02|012|12|13|12|23, \infty, 1, 2, 5, 7) \Rightarrow 01|02|123|12|13|12|23$ ,  $01|23|012|02|01|02|12$ ,  
 $01|23|023|02|03|02|23$ ,  $01|02|123|12|01|12|23$ ,  $01|02|123|12|13|12|02$  (Case 1).

$\mathcal{K}_{02,1}(01|02|012|12|13|12|23, \infty) \Rightarrow 01|23|023|02|01|02|12$  (Case 1).

$\mathcal{K}_{02,2}(01|02|012|12|13|12|23, 5) \Rightarrow 01|23|012|02|01|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|12|13|23$ ,  $(213456) \Rightarrow 01|02|012|12|23|12|13$ ,  
 $(213546) \Rightarrow 01|02|012|12|12|23|13$ ,  $(312465) \Rightarrow 01|02|012|12|23|03|02$ ,  $(312564) \Rightarrow 01|02|012|12|03|23|02$ ,  
 $(312645) \Rightarrow 01|02|012|12|02|03|23$ ,  $(312654) \Rightarrow 01|02|012|12|03|02|23$ ,  $(321465) \Rightarrow 01|02|012|12|13|03|01$ ,  
 $(321564) \Rightarrow 01|02|012|12|03|13|01$ ,  $(321645) \Rightarrow 01|02|012|12|01|03|13$  and  $(321654) \Rightarrow 01|02|012|12|03|01|13$

$\mathcal{K}_{12,3}(01|02|012|12|13|23|02, 1, 2, 5, 6, 7) \Rightarrow 01|23|012|02|01|12|23$ ,  $01|23|023|02|03|23|12$ ,  
 $01|02|123|12|01|23|02$ ,  $01|02|123|12|13|02|02$ ,  $01|02|123|12|13|23|23$  (Case 1).

$\mathcal{K}_{12,2}(01|02|012|12|13|23|02, 6) \Rightarrow 01|23|012|02|03|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|23|13|02$ ,  $(213456) \Rightarrow 01|02|012|12|23|13|01$   
and  $(213546) \Rightarrow 01|02|012|12|13|23|01$

$\mathcal{K}_{01,2}(01|02|012|12|13|23|12, \infty, 3, 5, 6) \Rightarrow 01|23|012|02|03|23|02$ ,  $01|23|023|02|03|23|02$ ,  $01|23|012|02|01|23|02$ ,  
 $01|23|012|02|03|12|02$  (Case 1).

$\mathcal{K}_{01,3}(01|02|012|12|13|23|12, \infty, 5, 6) \Rightarrow 01|02|123|12|13|23|12$ ,  $01|02|123|12|01|23|12$ ,  $01|02|123|12|13|02|12$   
(Case 1).

$\mathcal{K}_{01,1}(01|02|012|12|13|23|12, \infty) \Rightarrow 01|23|023|02|01|12|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|23|13|12$

$\mathcal{K}_{02,3}(01|02|012|12|23|12|02, \infty, 1, 2, 5, 7) \Rightarrow 01|02|123|12|23|12|02$ ,  $01|23|012|02|12|02|23$ ,  
 $01|23|023|02|23|02|12$ ,  $01|02|123|12|02|12|02$ ,  $01|02|123|12|23|12|23$  (Case 1).

$\mathcal{K}_{02,1}(01|02|012|12|23|12|02, \infty) \Rightarrow 01|23|023|02|12|02|23$  (Case 1).

$\mathcal{K}_{02,2}(01|02|012|12|23|12|02, 5) \Rightarrow 01|23|012|02|12|02|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|12|23|02$ ,  $(213456) \Rightarrow 01|02|012|12|13|12|01$   
and  $(213546) \Rightarrow 01|02|012|12|12|13|01$

$\mathcal{K}_{01,2}(01|02|012|12|23|12|12, 3, 5) \Rightarrow 01|23|023|02|23|02|02$ ,  $01|23|012|02|12|02|02$  (Case 1).

$\mathcal{K}_{01,3}(01|02|012|12|23|12|12, 5) \Rightarrow 01|02|123|12|02|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|12|23|12$ ,  $(132456) \Rightarrow 01|02|012|12|23|02|02$ ,  
 $(132546) \Rightarrow 01|02|012|12|02|23|02$ ,  $(132645) \Rightarrow 01|02|012|12|02|02|23$ ,  $(213456) \Rightarrow 01|02|012|12|13|12|12$ ,  
 $(213546) \Rightarrow 01|02|012|12|12|13|12$ ,  $(231456) \Rightarrow 01|02|012|12|13|01|01$ ,  $(231546) \Rightarrow 01|02|012|12|01|13|01$ ,

$(231645) \Rightarrow 01|02|012|12|01|01|13$ ,  $(312456) \Rightarrow 01|02|012|12|03|02|02$ ,  $(312546) \Rightarrow 01|02|012|12|02|03|02$ ,  
 $(321456) \Rightarrow 01|02|012|12|03|01|01$  and  $(321546) \Rightarrow 01|02|012|12|01|03|01$

$\mathcal{K}_{12,1}(01|02|012|13|01|12|23, \infty, 5, 6) \Rightarrow 01|02|023|13|03|23|12$ ,  $01|02|023|13|01|23|12$ ,  $01|02|023|13|03|12|12$  (Case 1).

$\mathcal{K}_{12,3}(01|02|012|13|01|12|23, \infty, 5, 6) \Rightarrow 01|02|023|13|01|12|23$ ,  $01|02|023|13|03|12|23$ ,  $01|02|023|13|01|23|12$  (Case 1).

$\mathcal{K}_{12,7}(01|02|012|13|01|12|23, \infty, 5, 6) \Rightarrow 01|02|012|13|01|12|12$ ,  $01|02|012|13|03|12|12$ ,  $01|02|012|13|01|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|12|01|23$ ,  $(213456) \Rightarrow 01|02|012|23|02|12|13$   
and  $(213546) \Rightarrow 01|02|012|23|12|02|13$

$\mathcal{K}_{13,3}(01|02|012|13|01|23|23, \infty, 5, 6, 7) \Rightarrow 01|02|023|13|01|23|23$ ,  $01|02|023|13|03|23|23$ ,  $01|02|023|13|01|12|23$ ,  $01|02|023|13|01|23|12$  (Case 1).

$\mathcal{K}_{13,7}(01|02|012|13|01|23|23, \infty, 5, 6) \Rightarrow 01|02|012|13|01|23|12$ ,  $01|02|012|13|03|23|12$ ,  $01|02|012|13|01|12|23$  (Case 1).

$\mathcal{K}_{13,1}(01|02|012|13|01|23|23, \infty) \Rightarrow 01|02|023|13|03|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|23|01|23$ ,  $(213456) \Rightarrow 01|02|012|23|02|13|13$   
and  $(213546) \Rightarrow 01|02|012|23|13|02|13$

$\mathcal{K}_{02,3}(01|02|012|13|02|03|03, 6, 7) \Rightarrow 01|02|023|13|02|01|03$ ,  $01|02|023|13|02|03|01$  (Case 1).

$\mathcal{K}_{02,6}(01|02|012|13|02|03|03, 7) \Rightarrow 01|02|012|13|02|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|03|02|03$ ,  $(213456) \Rightarrow 01|02|012|23|01|03|03$ ,  
 $(213546) \Rightarrow 01|02|012|23|03|01|03$ ,  $(312645) \Rightarrow 01|23|012|02|03|03|01$  and  $(321645) \Rightarrow 01|23|023|02|12|12|23$

$\mathcal{K}_{02,3}(01|02|012|13|02|23|23, 6, 7) \Rightarrow 01|02|023|13|02|12|23$ ,  $01|02|023|13|02|23|12$  (Case 1).

$\mathcal{K}_{02,6}(01|02|012|13|02|23|23, 7) \Rightarrow 01|02|012|13|02|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|23|02|23$ ,  $(132645) \Rightarrow 01|02|013|13|23|23|13$ ,  
 $(213456) \Rightarrow 01|02|012|23|01|13|13$ ,  $(213546) \Rightarrow 01|02|012|23|13|01|13$ ,  $(231645) \Rightarrow 01|02|023|23|13|13|23$ ,  
 $(312645) \Rightarrow 01|23|012|02|13|13|01$  and  $(321645) \Rightarrow 01|23|023|02|13|13|23$

$\mathcal{K}_{03,7}(01|02|012|13|03|23|23, \infty, 3, 5, 6) \Rightarrow 01|02|012|13|03|23|12$ ,  $01|02|023|13|03|23|12$ ,  $01|02|012|13|01|23|12$ ,  $01|02|012|13|03|12|12$  (Case 1).

$\mathcal{K}_{03,3}(01|02|012|13|03|23|23, \infty, 5, 6) \Rightarrow 01|02|023|13|03|23|23$ ,  $01|02|023|13|01|23|23$ ,  $01|02|023|13|03|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|23|03|23$ ,  $(132645) \Rightarrow 01|02|013|13|23|23|12$ ,  
 $(143526) \Rightarrow 01|23|012|03|12|13|23$ ,  $(153426) \Rightarrow 01|23|012|03|13|12|23$ ,  $(213456) \Rightarrow 01|02|012|23|03|13|13$ ,  
 $(213546) \Rightarrow 01|02|012|23|13|03|13$ ,  $(231645) \Rightarrow 01|02|023|23|13|13|12$ ,  $(243516) \Rightarrow 01|23|023|12|03|13|01$ ,  
 $(253416) \Rightarrow 01|23|023|12|13|03|01$ ,  $(312645) \Rightarrow 01|23|012|02|13|13|03$ ,  $(321645) \Rightarrow 01|23|023|02|13|13|12$ ,  
 $(612345) \Rightarrow 01|23|012|03|13|13|02$ ,  $(621345) \Rightarrow 01|23|023|12|13|13|02$ ,  $(631245) \Rightarrow 01|02|123|23|03|03|12$   
and  $(632145) \Rightarrow 01|02|123|13|03|03|12$

$\mathcal{K}_{23,3}(01|02|012|13|12|23|03, \infty, 1, 2, 4, 6) \Rightarrow 01|02|123|13|12|23|03$ ,  $01|23|012|01|02|12|13$ ,  
 $01|23|023|02|03|23|12$ ,  $01|02|123|01|12|23|03$ ,  $01|02|123|13|12|02|03$  (Case 1).

$$\mathcal{K}_{23,1}(01|02|012|13|12|23|03, \infty) \Rightarrow 01|23|023|01|02|12|13 \text{ (Case 1).}$$

$$\mathcal{K}_{23,2}(01|02|012|13|12|23|03, 6) \Rightarrow 01|23|012|03|02|12|13 \text{ (Case 1).}$$

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|23|12|03$ ,  $(213456) \Rightarrow 01|02|012|23|12|13|03$   
and  $(213546) \Rightarrow 01|02|012|23|13|12|03$

$$\mathcal{K}_{02,2}(01|02|012|13|12|23|23, 1, 3, 6) \Rightarrow 01|02|123|01|12|02|02, 01|23|023|02|03|23|23, 01|23|012|03|02|12|23 \text{ (Case 1).}$$

$$\mathcal{K}_{02,3}(01|02|012|13|12|23|23, 1, 6) \Rightarrow 01|23|012|01|02|12|12, 01|02|123|13|12|02|23 \text{ (Case 1).}$$

$$\mathcal{K}_{02,1}(01|02|012|13|12|23|23, 6) \Rightarrow 01|23|023|01|02|23|12 \text{ (Case 1).}$$

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|23|12|23$ ,  $(124356) \Rightarrow 01|02|012|12|13|23|23$ ,  
 $(125346) \Rightarrow 01|02|012|12|23|13|23$ ,  $(126453) \Rightarrow 01|02|012|23|12|23|13$ ,  $(126543) \Rightarrow 01|02|012|23|23|12|13$ ,  
 $(134256) \Rightarrow 01|02|012|12|03|23|23$ ,  $(134562) \Rightarrow 01|23|012|02|13|12|23$ ,  $(134652) \Rightarrow 01|23|012|02|13|23|12$ ,  
 $(135246) \Rightarrow 01|02|012|12|23|03|23$ ,  $(135462) \Rightarrow 01|23|012|02|12|13|23$ ,  $(135642) \Rightarrow 01|23|012|02|23|13|12$ ,  
 $(213456) \Rightarrow 01|02|012|23|12|13|13$ ,  $(213546) \Rightarrow 01|02|012|23|13|12|13$ ,  $(214356) \Rightarrow 01|02|012|12|23|13|13$ ,  
 $(215346) \Rightarrow 01|02|012|12|13|23|13$ ,  $(216453) \Rightarrow 01|02|012|13|12|13|23$ ,  $(216543) \Rightarrow 01|02|012|13|13|12|23$ ,  
 $(234156) \Rightarrow 01|02|012|12|03|13|13$ ,  $(234561) \Rightarrow 01|23|023|02|13|03|01$ ,  $(234651) \Rightarrow 01|23|023|02|13|01|03$ ,  
 $(235146) \Rightarrow 01|02|012|12|13|03|13$ ,  $(235461) \Rightarrow 01|23|023|02|03|13|01$  and  $(235641) \Rightarrow 01|23|023|02|01|13|03$

$$\mathcal{K}_{03,7}(01|02|012|13|23|03|03, \infty, 3, 5, 6) \Rightarrow 01|02|012|13|23|03|01, 01|02|023|13|23|03|01, 01|02|012|13|12|03|01, 01|02|012|13|23|01|01 \text{ (Case 1).}$$

$$\mathcal{K}_{03,3}(01|02|012|13|23|03|03, \infty, 5, 6) \Rightarrow 01|02|023|13|23|03|03, 01|02|023|13|12|03|03, 01|02|023|13|23|01|03 \text{ (Case 1).}$$

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|03|23|03$ ,  $(132645) \Rightarrow 01|02|013|13|12|12|23$ ,  
 $(143256) \Rightarrow 01|23|012|03|12|13|13$ ,  $(153246) \Rightarrow 01|23|012|03|13|12|13$ ,  $(162345) \Rightarrow 01|02|013|23|12|12|13$ ,  
 $(213456) \Rightarrow 01|02|012|23|13|03|03$ ,  $(213546) \Rightarrow 01|02|012|23|03|13|03$ ,  $(231645) \Rightarrow 01|02|023|23|12|12|13$ ,  
 $(243156) \Rightarrow 01|23|023|12|03|13|13$ ,  $(253146) \Rightarrow 01|23|023|12|13|03|13$ ,  $(261345) \Rightarrow 01|02|023|13|12|12|23$ ,  
 $(312456) \Rightarrow 01|23|012|02|13|03|03$ ,  $(312546) \Rightarrow 01|23|012|02|03|13|03$ ,  $(321456) \Rightarrow 01|23|023|02|13|12|12$ ,  
 $(321546) \Rightarrow 01|23|023|02|12|13|12$ ,  $(612435) \Rightarrow 01|23|012|03|13|03|02$ ,  $(612534) \Rightarrow 01|23|012|03|03|13|02$ ,  
 $(621435) \Rightarrow 01|23|023|12|13|12|02$  and  $(621534) \Rightarrow 01|23|023|12|12|13|02$

$$\mathcal{K}_{12,2}(01|02|012|23|12|02|03, \infty, 5, 6) \Rightarrow 01|02|013|23|13|03|02, 01|02|013|23|12|03|02, 01|02|013|23|13|02|03 \text{ (Case 1).}$$

$$\mathcal{K}_{12,3}(01|02|012|23|12|02|03, \infty, 5, 6) \Rightarrow 01|02|013|23|12|02|03, 01|02|013|23|13|02|03, 01|02|013|23|12|03|03 \text{ (Case 1).}$$

$$\mathcal{K}_{12,7}(01|02|012|23|12|02|03, \infty, 5, 6) \Rightarrow 01|02|012|23|12|02|02, 01|02|012|23|13|02|02, 01|02|012|23|12|03|03 \text{ (Case 1).}$$

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|23|02|12|03$ ,  $(213456) \Rightarrow 01|02|012|13|12|01|03$   
and  $(213546) \Rightarrow 01|02|012|13|01|12|03$

$$\mathcal{K}_{23,3}(01|02|012|23|12|23|03, \infty, 2, 4, 6) \Rightarrow 01|02|123|23|12|23|03, 01|23|023|23|02|23|13, 01|02|123|02|12|23|03, 01|02|123|23|12|02|03 \text{ (Case 1).}$$

$$\mathcal{K}_{23,2}(01|02|012|23|12|23|03, \infty, 4, 6) \Rightarrow 01|23|012|23|02|23|13, 01|23|012|02|12|23|03, 01|23|012|23|02|12|23|03 \text{ (Case 1).}$$



$\mathcal{K}_{02,5}(01|02|013|02|13|12|23, \infty, 2, 7) \Rightarrow 01|02|013|02|01|12|23, 01|23|012|03|01|13|23, 01|02|013|02|01|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|02|12|13|23, (213456) \Rightarrow 01|02|023|01|23|12|13$  and  $(213546) \Rightarrow 01|02|023|01|12|23|13$

$\mathcal{K}_{03,5}(01|02|013|02|13|13|02, 4, 6, 7) \Rightarrow 01|02|013|23|01|13|02, 01|02|013|02|01|01|02, 01|02|013|02|01|13|02$  (Case 1).

$\mathcal{K}_{03,6}(01|02|013|02|13|13|02, 4, 7) \Rightarrow 01|02|013|23|13|01|02, 01|02|013|02|13|01|23$  (Case 1).

$\mathcal{K}_{03,4}(01|02|013|02|13|13|02, 7) \Rightarrow 01|02|013|23|13|13|23$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|023|01|23|23|01$  and  $(361452) \Rightarrow 01|01|023|02|23|23|01$

$\mathcal{K}_{03,5}(01|02|013|02|13|13|23, 4, 6, 7) \Rightarrow 01|02|013|23|01|13|23, 01|02|013|02|01|01|23, 01|02|013|02|01|13|02$  (Case 1).

$\mathcal{K}_{03,6}(01|02|013|02|13|13|23, 4, 7) \Rightarrow 01|02|013|23|13|01|23, 01|02|013|02|13|01|02$  (Case 1).

$\mathcal{K}_{03,4}(01|02|013|02|13|13|23, 7) \Rightarrow 01|02|013|23|13|13|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|023|01|23|23|13$

$\mathcal{K}_{12,6}(01|02|013|02|13|23|02, 2, 4, 5, 7) \Rightarrow 01|23|012|03|12|03|03, 01|02|013|23|13|02|02, 01|02|013|02|01|02|01|02|013|02|13|02|23$  (Case 1).

$\mathcal{K}_{12,4}(01|02|013|02|13|23|02, 2, 5, 7) \Rightarrow 01|23|012|23|02|23|13, 01|02|013|23|01|23|02, 01|02|013|23|13|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|02|23|13|02, (213456) \Rightarrow 01|02|023|01|23|13|01$  and  $(213546) \Rightarrow 01|02|023|01|13|23|01$

$\mathcal{K}_{03,6}(01|02|013|02|13|23|23, 2, 4, 5, 7) \Rightarrow 01|23|012|03|12|03|23, 01|02|013|23|13|02|23, 01|02|013|02|01|02|01|02|013|02|13|02|02$  (Case 1).

$\mathcal{K}_{03,4}(01|02|013|02|13|23|23, 2, 5, 7) \Rightarrow 01|23|012|23|02|23|23, 01|02|013|23|01|23|23, 01|02|013|23|13|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|02|23|13|23, (213456) \Rightarrow 01|02|023|01|23|13|13$  and  $(213546) \Rightarrow 01|02|023|01|13|23|13$

$\mathcal{K}_{02,4}(01|02|013|03|01|02|02, \infty, 6, 7) \Rightarrow 01|02|013|02|01|02|02, 01|02|013|02|01|03|02, 01|02|013|02|01|02|01|02|013|03|01|02|02$  (Case 1).

$\mathcal{K}_{02,6}(01|02|013|03|01|02|02, \infty, 7) \Rightarrow 01|02|013|03|01|03|02, 01|02|013|03|01|03|03$  (Case 1).

$\mathcal{K}_{02,3}(01|02|013|03|01|02|02, \infty) \Rightarrow 01|02|012|03|01|02|02$  (Case 1).

$\mathcal{K}_{02,7}(01|02|013|03|01|02|02, \infty) \Rightarrow 01|02|013|03|01|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|03|02|01|02, (213456) \Rightarrow 01|02|023|03|02|01|01$  and  $(213546) \Rightarrow 01|02|023|03|01|02|01$

$\mathcal{K}_{03,5}(01|02|013|03|12|02|02, 4, 6, 7) \Rightarrow 01|02|013|02|13|02|02, 01|02|013|03|13|03|02, 01|02|013|03|13|02|01|02|013|03|12|02|02$  (Case 1).

$\mathcal{K}_{03,6}(01|02|013|03|12|02|02, 4, 7) \Rightarrow 01|02|013|02|12|03|02, 01|02|013|03|12|03|03$  (Case 1).

$\mathcal{K}_{03,4}(01|02|013|03|12|02|02, 7) \Rightarrow 01|02|013|02|12|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|03|02|12|02$ ,  $(213456) \Rightarrow 01|02|023|03|12|01|01$   
and  $(213546) \Rightarrow 01|02|023|03|01|12|01$

$\mathcal{K}_{03,6}(01|02|013|03|13|23|23, \infty, 2, 5, 7) \Rightarrow 01|02|013|03|13|02|23, 01|23|012|02|12|03|23, 01|02|013|03|01|02|01|02|013|03|13|02|02$  (Case 1).

$\mathcal{K}_{03,7}(01|02|013|03|13|23|23, \infty, 2, 5) \Rightarrow 01|02|013|03|13|23|02, 01|23|012|02|12|23|03, 01|02|013|03|01|23|01|02|013|03|13|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|03|23|13|23$ ,  $(213456) \Rightarrow 01|02|023|03|23|13|13$ ,  
 $(213546) \Rightarrow 01|02|023|03|13|23|13$ ,  $(346512) \Rightarrow 01|01|023|23|12|03|02$ ,  $(356412) \Rightarrow 01|01|023|23|02|13|03$ ,  
 $(456312) \Rightarrow 01|01|023|02|23|13|03$ ,  $(546312) \Rightarrow 01|01|023|02|13|23|03$ ,  $(645312) \Rightarrow 01|01|023|02|13|03|23$   
and  $(654312) \Rightarrow 01|01|023|02|03|13|23$

$\mathcal{K}_{12,4}(01|02|013|12|01|23|23, \infty, 5, 6, 7) \Rightarrow 01|02|013|23|01|23|23, 01|02|013|23|03|23|23, 01|02|013|23|01|12|01|02|013|23|01|23|12$  (Case 1).

$\mathcal{K}_{12,6}(01|02|013|12|01|23|23, \infty, 5, 7) \Rightarrow 01|02|013|12|01|12|23, 01|02|013|12|03|12|23, 01|02|013|12|01|12|01|02|013|12|01|23|12$  (Case 1).

$\mathcal{K}_{12,1}(01|02|013|12|01|23|23, \infty) \Rightarrow 01|02|013|23|03|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|23|01|23$ ,  $(213456) \Rightarrow 01|02|023|12|02|13|13$   
and  $(213546) \Rightarrow 01|02|023|12|13|02|13$

$\mathcal{K}_{02,4}(01|02|013|12|02|23|23, 6, 7) \Rightarrow 01|02|013|23|02|12|23, 01|02|013|23|02|23|12$  (Case 1).

$\mathcal{K}_{02,6}(01|02|013|12|02|23|23, 7) \Rightarrow 01|02|013|12|02|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|23|02|23$ ,  $(213456) \Rightarrow 01|02|023|12|01|13|13$ ,  
 $(213546) \Rightarrow 01|02|023|12|13|01|13$ ,  $(415623) \Rightarrow 01|02|123|02|13|03|01$ ,  $(416523) \Rightarrow 01|02|123|02|13|01|03$ ,  
 $(425613) \Rightarrow 01|02|123|01|23|03|02$ ,  $(426513) \Rightarrow 01|02|123|01|23|02|03$ ,  $(435612) \Rightarrow 01|01|023|12|23|13|12$ ,  
 $(436512) \Rightarrow 01|01|023|12|23|12|13$ ,  $(514623) \Rightarrow 01|02|123|02|03|13|01$ ,  $(516423) \Rightarrow 01|02|123|02|01|13|03$ ,  
 $(524613) \Rightarrow 01|02|123|01|03|23|02$ ,  $(526413) \Rightarrow 01|02|123|01|02|23|03$ ,  $(534612) \Rightarrow 01|01|023|12|13|23|12$   
and  $(536412) \Rightarrow 01|01|023|12|12|23|13$

$\mathcal{K}_{03,6}(01|02|013|12|03|23|23, \infty, 4, 5, 7) \Rightarrow 01|02|013|12|03|12|23, 01|02|013|23|03|12|23, 01|02|013|12|01|12|01|02|013|12|03|12|12$  (Case 1).

$\mathcal{K}_{03,4}(01|02|013|12|03|23|23, \infty, 5, 7) \Rightarrow 01|02|013|23|03|23|23, 01|02|013|23|01|23|23, 01|02|013|23|03|23|01|02|013|12|03|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|23|03|23$ ,  $(163452) \Rightarrow 01|23|012|03|12|23|13$ ,  
 $(163542) \Rightarrow 01|23|012|03|23|12|13$ ,  $(213456) \Rightarrow 01|02|023|12|03|13|13$ ,  $(213546) \Rightarrow 01|02|023|12|13|03|13$ ,  
 $(263451) \Rightarrow 01|23|023|12|03|01|13$ ,  $(263541) \Rightarrow 01|23|023|12|01|03|13$ ,  $(415236) \Rightarrow 01|02|023|12|03|13|12$ ,  
 $(425136) \Rightarrow 01|02|013|12|03|23|12$ ,  $(465132) \Rightarrow 01|02|013|02|13|23|12$ ,  $(465231) \Rightarrow 01|02|023|01|23|13|12$ ,  
 $(514236) \Rightarrow 01|02|023|12|13|03|12$ ,  $(524136) \Rightarrow 01|02|013|12|23|03|12$ ,  $(564132) \Rightarrow 01|02|013|02|23|13|12$   
and  $(564231) \Rightarrow 01|02|023|01|13|23|12$

$\mathcal{K}_{02,5}(01|02|013|12|13|13|02, \infty, 2, 6, 7) \Rightarrow 01|02|013|12|01|13|02, 01|23|012|03|01|02|13, 01|02|013|12|01|02|01|02|013|12|01|13|23$  (Case 1).

$\mathcal{K}_{02,6}(01|02|013|12|13|13|02, \infty, 2, 7) \Rightarrow 01|02|013|12|13|01|02, 01|23|012|03|02|01|13, 01|02|013|12|13|01|02|01|02|013|12|13|01|13$  (Case 1).



$\mathcal{K}_{03,6}(01|02|013|23|12|02|02, \infty, 7) \Rightarrow 01|02|013|23|12|03|02, 01|02|013|23|12|03|03$  (Case 1).

$\mathcal{K}_{03,3}(01|02|013|23|12|02|02, \infty) \Rightarrow 01|02|012|23|12|02|02$  (Case 1).

$\mathcal{K}_{03,7}(01|02|013|23|12|02|02, \infty) \Rightarrow 01|02|013|23|12|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|23|02|12|02, (213456) \Rightarrow 01|02|023|13|12|01|01$   
and  $(213546) \Rightarrow 01|02|023|13|01|12|01$

$\mathcal{K}_{23,6}(01|02|013|23|13|23|03, \infty, 2, 4, 5) \Rightarrow 01|02|013|23|13|02|03, 01|23|012|23|02|13|12, 01|02|013|02|13|03, 01|02|013|23|01|02|03$  (Case 1).

$\mathcal{K}_{23,2}(01|02|013|23|13|23|03, \infty, 4, 5) \Rightarrow 01|23|012|23|02|23|12, 01|23|012|03|12|23|02, 01|23|012|23|01|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|23|23|13|03, (213456) \Rightarrow 01|02|023|13|23|13|03, (213546) \Rightarrow 01|02|023|13|13|23|03, (453126) \Rightarrow 01|02|013|02|13|23|03, (453216) \Rightarrow 01|02|023|01|23|13|03, (543126) \Rightarrow 01|02|013|02|23|13|03$  and  $(543216) \Rightarrow 01|02|023|01|13|23|03$

$\mathcal{K}_{12,2}(01|02|023|01|23|23|02, 1, 5, 6) \Rightarrow 01|02|023|13|02|02|23, 01|23|023|01|02|23|02, 01|23|023|01|23|02|03$  (Case 1).

$\mathcal{K}_{12,5}(01|02|023|01|23|23|02, 1, 6) \Rightarrow 01|23|023|12|23|03|23, 01|02|023|01|02|02|02$  (Case 1).

$\mathcal{K}_{12,1}(01|02|023|01|23|23|02, 6) \Rightarrow 01|23|023|12|03|23|23$  (Case 1).

Free by vertex permutation:  $(126453) \Rightarrow 01|02|023|02|23|23|01, (213456) \Rightarrow 01|02|013|02|13|13|01, (216453) \Rightarrow 01|02|013|01|13|13|02, (451236) \Rightarrow 01|23|023|23|01|02|02, (452136) \Rightarrow 01|23|012|01|23|02|02, (453126) \Rightarrow 01|01|012|23|23|02|02, (541236) \Rightarrow 01|23|023|23|02|01|02, (542136) \Rightarrow 01|23|012|01|02|23|02$   
and  $(543126) \Rightarrow 01|01|012|23|02|23|02$

$\mathcal{K}_{23,5}(01|02|023|01|23|23|03, \infty, 2, 4, 6) \Rightarrow 01|02|023|01|02|23|03, 01|23|023|01|02|23|03, 01|02|023|13|02|23|03, 01|02|023|01|02|02|03$  (Case 1).

$\mathcal{K}_{23,6}(01|02|023|01|23|23|03, \infty, 2, 4) \Rightarrow 01|02|023|01|23|02|03, 01|23|023|01|23|02|03, 01|02|023|13|23|02|03, 01|02|023|01|02|02|03$  (Case 1).

$\mathcal{K}_{23,1}(01|02|023|01|23|23|03, \infty) \Rightarrow 01|23|023|12|03|03|02$  (Case 1).

Free by vertex permutation:  $(132456) \Rightarrow 01|01|023|02|23|23|03, (213456) \Rightarrow 01|02|013|02|13|13|03, (453126) \Rightarrow 01|01|012|23|23|02|12$  and  $(543126) \Rightarrow 01|01|012|23|02|23|12$

$\mathcal{K}_{12,4}(01|02|023|02|03|03|02, \infty, 5, 6) \Rightarrow 01|02|023|03|03|03|02, 01|02|023|03|02|03|02, 01|02|023|03|03|02|03, 01|02|023|02|03|03|02$  (Case 1).

$\mathcal{K}_{12,5}(01|02|023|02|03|03|02, \infty, 6) \Rightarrow 01|02|023|02|02|03|02, 01|02|023|02|02|02|02$  (Case 1).

$\mathcal{K}_{12,2}(01|02|023|02|03|03|02, \infty) \Rightarrow 01|02|023|03|02|02|03$  (Case 1).

$\mathcal{K}_{12,6}(01|02|023|02|03|03|02, \infty) \Rightarrow 01|02|023|02|03|02|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|01|03|03|01$

$\mathcal{K}_{12,5}(01|02|023|02|03|03|03, \infty, 4, 6, 7) \Rightarrow 01|02|023|02|02|03|03, 01|02|023|03|02|03|03, 01|02|023|02|02|03|03, 01|02|023|02|02|03|02$  (Case 1).

$\mathcal{K}_{12,6}(01|02|023|02|03|03|03, \infty, 4, 7) \Rightarrow 01|02|023|02|03|02|03, 01|02|023|03|03|02|03, 01|02|023|02|03|02|03, 01|02|023|02|03|02|02$  (Case 1).



$\mathcal{K}_{12,4}(01|02|023|02|03|03|03, \infty) \Rightarrow 01|02|023|03|03|03|03$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|01|03|03|03$ ,  $(312456) \Rightarrow 01|01|012|03|02|02|02$  and  $(345126) \Rightarrow 01|01|012|03|02|02|01$

$\mathcal{K}_{23,4}(01|02|023|02|03|03|23, 5, 6) \Rightarrow 01|02|023|03|02|03|23, 01|02|023|03|03|02|23$  (Case 1).

$\mathcal{K}_{23,5}(01|02|023|02|03|03|23, 6) \Rightarrow 01|02|023|02|02|02|23$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|01|03|03|13$

$\mathcal{K}_{02,4}(01|02|023|02|12|23|23, \infty, 2, 6, 7) \Rightarrow 01|02|023|23|12|23|23, 01|23|023|23|12|23|23, 01|02|023|23|12|02|02|023|23|12|23|02$  (Case 1).

$\mathcal{K}_{02,6}(01|02|023|02|12|23|23, \infty, 2, 7) \Rightarrow 01|02|023|02|12|02|23, 01|23|023|02|12|02|23, 01|02|023|02|12|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|02|23|12|23$ ,  $(213456) \Rightarrow 01|02|013|01|12|13|13$  and  $(213546) \Rightarrow 01|02|013|01|13|12|13$

$\mathcal{K}_{12,4}(01|02|023|02|13|02|03, \infty, 5, 6, 7) \Rightarrow 01|02|023|03|13|02|03, 01|02|023|03|12|02|03, 01|02|023|03|13|02|02|023|03|13|02|02$  (Case 1).

$\mathcal{K}_{12,5}(01|02|023|02|13|02|03, \infty, 6, 7) \Rightarrow 01|02|023|02|12|02|03, 01|02|023|02|12|03|03, 01|02|023|02|12|02|03$  (Case 1).

$\mathcal{K}_{12,2}(01|02|023|02|13|02|03, \infty) \Rightarrow 01|02|023|03|12|03|02$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|023|02|13|03|02$ ,  $(123546) \Rightarrow 01|02|023|02|02|13|03$ ,  $(123564) \Rightarrow 01|02|023|02|03|13|02$ ,  $(213456) \Rightarrow 01|02|013|01|23|01|03$ ,  $(213465) \Rightarrow 01|02|013|01|23|03|01$ ,  $(213546) \Rightarrow 01|02|013|01|01|23|03$  and  $(213564) \Rightarrow 01|02|013|01|03|23|01$

$\mathcal{K}_{02,4}(01|02|023|02|13|12|23, \infty, 2, 5, 7) \Rightarrow 01|02|023|23|13|12|23, 01|23|023|23|12|13|23, 01|02|023|23|01|12|23, 01|02|023|23|13|12|02$  (Case 1).

$\mathcal{K}_{02,5}(01|02|023|02|13|12|23, \infty, 2, 7) \Rightarrow 01|02|023|02|01|12|23, 01|23|023|02|01|12|23, 01|02|023|02|01|12|23$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|023|02|13|23|12$ ,  $(123546) \Rightarrow 01|02|023|02|12|13|23$ ,  $(123564) \Rightarrow 01|02|023|02|23|13|12$ ,  $(143526) \Rightarrow 01|02|123|12|12|03|23$ ,  $(153426) \Rightarrow 01|02|123|12|03|12|23$ ,  $(163425) \Rightarrow 01|02|123|12|03|23|12$ ,  $(163524) \Rightarrow 01|02|123|12|23|03|12$ ,  $(213456) \Rightarrow 01|02|013|01|23|12|13$ ,  $(213465) \Rightarrow 01|02|013|01|23|13|12$ ,  $(213546) \Rightarrow 01|02|013|01|12|23|13$ ,  $(213564) \Rightarrow 01|02|013|01|13|23|12$ ,  $(243516) \Rightarrow 01|02|123|12|12|03|13$ ,  $(253416) \Rightarrow 01|02|123|12|03|12|13$ ,  $(263415) \Rightarrow 01|02|123|12|03|13|12$  and  $(263514) \Rightarrow 01|02|123|12|13|03|12$

$\mathcal{K}_{03,5}(01|02|023|02|13|23|23, 2, 4, 6, 7) \Rightarrow 01|23|023|02|01|23|23, 01|02|023|23|01|23|23, 01|02|023|02|01|02|23|02|01|23|02$  (Case 1).

$\mathcal{K}_{03,4}(01|02|023|02|13|23|23, 2, 6, 7) \Rightarrow 01|23|023|23|12|23|23, 01|02|023|23|13|02|23, 01|02|023|23|13|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|02|23|13|23$ ,  $(213456) \Rightarrow 01|02|013|01|23|13|13$  and  $(213546) \Rightarrow 01|02|013|01|13|23|13$

$\mathcal{K}_{12,5}(01|02|023|02|23|23|02, 4, 6, 7) \Rightarrow 01|02|023|23|02|23|02, 01|02|023|02|02|02|02, 01|02|023|02|02|23|02$  (Case 1).

$\mathcal{K}_{12,6}(01|02|023|02|23|23|02, 4, 7) \Rightarrow 01|02|023|23|23|02|02, 01|02|023|02|23|02|23$  (Case 1).  
 $\mathcal{K}_{12,4}(01|02|023|02|23|23|02, 7) \Rightarrow 01|02|023|23|23|23|23$  (Case 1).  
 Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|01|13|13|01, (361452) \Rightarrow 01|01|012|03|12|12|01$   
 and  $(364125) \Rightarrow 01|01|012|23|02|02|02$

$\mathcal{K}_{23,5}(01|02|023|02|23|23|03, \infty, 2, 4, 6) \Rightarrow 01|02|023|02|02|23|03, 01|23|023|02|02|23|03, 01|02|023|23|02|23|03$  (Case 1).  
 $\mathcal{K}_{23,6}(01|02|023|02|23|23|03, \infty, 2, 4) \Rightarrow 01|02|023|02|23|02|03, 01|23|023|02|23|02|03, 01|02|023|23|23|02|03$  (Case 1).  
 $\mathcal{K}_{23,2}(01|02|023|02|23|23|03, \infty) \Rightarrow 01|23|023|02|23|23|03$  (Case 1).  
 Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|01|13|13|03$

$\mathcal{K}_{12,5}(01|02|023|02|23|23|23, 4, 6, 7) \Rightarrow 01|02|023|23|02|23|23, 01|02|023|02|02|02|23, 01|02|023|02|02|23|03$  (Case 1).  
 $\mathcal{K}_{12,6}(01|02|023|02|23|23|23, 4, 7) \Rightarrow 01|02|023|23|23|02|23, 01|02|023|02|23|02|02$  (Case 1).  
 $\mathcal{K}_{12,4}(01|02|023|02|23|23|23, 7) \Rightarrow 01|02|023|23|23|23|02$  (Case 1).  
 Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|01|13|13|13$

$\mathcal{K}_{12,5}(01|02|023|03|02|02|02, \infty, 6, 7) \Rightarrow 01|02|023|03|03|02|02, 01|02|023|03|03|03|02, 01|02|023|03|03|02|03$  (Case 1).  
 $\mathcal{K}_{12,6}(01|02|023|03|02|02|02, \infty, 7) \Rightarrow 01|02|023|03|02|03|02, 01|02|023|03|02|03|03$  (Case 1).  
 $\mathcal{K}_{12,4}(01|02|023|03|02|02|02, \infty) \Rightarrow 01|02|023|02|02|02|02$  (Case 1).  
 $\mathcal{K}_{12,7}(01|02|023|03|02|02|02, \infty) \Rightarrow 01|02|023|03|02|02|03$  (Case 1).  
 Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|03|01|01|01$

$\mathcal{K}_{01,4}(01|02|023|03|12|01|02, \infty, 5, 6) \Rightarrow 01|02|023|01|12|01|02, 01|02|023|01|23|01|02, 01|02|023|01|12|03|02$  (Case 1).  
 $\mathcal{K}_{01,5}(01|02|023|03|12|01|02, \infty, 6) \Rightarrow 01|02|023|03|23|01|02, 01|02|023|03|23|03|02$  (Case 1).  
 $\mathcal{K}_{01,3}(01|02|023|03|12|01|02, \infty) \Rightarrow 01|02|012|03|12|01|02$  (Case 1).  
 $\mathcal{K}_{01,6}(01|02|023|03|12|01|02, \infty) \Rightarrow 01|02|023|03|12|03|02$  (Case 1).  
 Free by vertex permutation:  $(123465) \Rightarrow 01|02|023|03|12|02|01, (123546) \Rightarrow 01|02|023|03|01|12|02,$   
 $(123564) \Rightarrow 01|02|023|03|02|12|01, (213456) \Rightarrow 01|02|013|03|12|02|01, (213465) \Rightarrow 01|02|013|03|12|01|02,$   
 $(213546) \Rightarrow 01|02|013|03|02|12|01$  and  $(213564) \Rightarrow 01|02|013|03|01|12|02$

$\mathcal{K}_{03,5}(01|02|023|03|13|23|23, \infty, 2, 6, 7) \Rightarrow 01|02|023|03|01|23|23, 01|23|023|02|01|23|23, 01|02|023|03|01|02|03|02$  (Case 1).  
 $\mathcal{K}_{03,7}(01|02|023|03|13|23|23, \infty, 2, 6) \Rightarrow 01|02|023|03|13|23|02, 01|23|023|02|12|23|03, 01|02|023|03|13|02|03|02$  (Case 1).  
 Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|03|23|13|23, (123645) \Rightarrow 01|02|023|03|23|23|13,$   
 $(213456) \Rightarrow 01|02|013|03|23|13|13, (213546) \Rightarrow 01|02|013|03|13|23|13$  and  $(213645) \Rightarrow 01|02|013|03|13|13|23$

$\mathcal{K}_{13,5}(01|02|023|03|23|23|23, \infty, 6, 7) \Rightarrow 01|02|023|03|02|23|23, 01|02|023|03|02|02|23, 01|02|023|03|02|23|03$  (Case 1).

$\mathcal{K}_{13,6}(01|02|023|03|23|23|23, \infty, 7) \Rightarrow 01|02|023|03|23|02|23, 01|02|023|03|23|02|02$  (Case 1).

$\mathcal{K}_{13,7}(01|02|023|03|23|23|23, \infty) \Rightarrow 01|02|023|03|23|23|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|03|13|13|13$

$\mathcal{K}_{12,2}(01|02|023|12|03|03|02, \infty, 5, 6) \Rightarrow 01|02|023|13|02|02|03, 01|02|023|13|03|02|03, 01|02|023|13|02|03|02$  (Case 1).

$\mathcal{K}_{12,5}(01|02|023|12|03|03|02, \infty, 6) \Rightarrow 01|02|023|12|02|03|02, 01|02|023|12|02|02|02$  (Case 1).

$\mathcal{K}_{12,6}(01|02|023|12|03|03|02, \infty) \Rightarrow 01|02|023|12|03|02|02$  (Case 1).

Free by vertex permutation:  $(126453) \Rightarrow 01|02|023|02|03|03|12, (213456) \Rightarrow 01|02|013|12|03|03|01, (216453) \Rightarrow 01|02|013|01|03|03|12, (453126) \Rightarrow 01|01|012|23|03|02|02, (543126) \Rightarrow 01|01|012|23|02|03|02, (631452) \Rightarrow 01|02|023|02|23|23|12$  and  $(632451) \Rightarrow 01|02|013|01|13|13|12$

$\mathcal{K}_{01,2}(01|02|023|12|13|23|12, 5, 6) \Rightarrow 01|23|023|12|01|23|12, 01|23|023|12|13|02|12$  (Case 1).

$\mathcal{K}_{01,5}(01|02|023|12|13|23|12, 6) \Rightarrow 01|02|023|12|01|02|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|23|13|12, (132456) \Rightarrow 01|02|123|12|03|23|02, (132465) \Rightarrow 01|02|123|12|03|02|23, (132546) \Rightarrow 01|02|123|12|23|03|02, (132564) \Rightarrow 01|02|123|12|02|03|23, (213456) \Rightarrow 01|02|013|12|23|13|12, (213546) \Rightarrow 01|02|013|12|13|23|12, (231456) \Rightarrow 01|02|123|12|03|13|01, (231465) \Rightarrow 01|02|123|12|03|01|13, (231546) \Rightarrow 01|02|123|12|13|03|01, (231564) \Rightarrow 01|02|123|12|01|03|13, (312456) \Rightarrow 01|02|013|12|23|03|02, (312546) \Rightarrow 01|02|013|12|03|23|02, (312645) \Rightarrow 01|02|013|12|03|02|23, (312654) \Rightarrow 01|02|013|12|02|03|23, (321456) \Rightarrow 01|02|023|12|13|03|01, (321546) \Rightarrow 01|02|023|12|03|13|01, (321645) \Rightarrow 01|02|023|12|03|01|13$  and  $(321654) \Rightarrow 01|02|023|12|01|03|13$

$\mathcal{K}_{03,5}(01|02|023|12|13|23|23, \infty, 1, 2, 6, 7) \Rightarrow 01|02|023|12|01|23|23, 01|23|023|12|13|02|02, 01|23|023|12|01|23|23, 01|02|023|12|01|02|23, 01|02|023|12|01|23|02$  (Case 1).

$\mathcal{K}_{03,1}(01|02|023|12|13|23|23, \infty) \Rightarrow 01|23|023|12|01|02|02$  (Case 1).

$\mathcal{K}_{03,2}(01|02|023|12|13|23|23, 6) \Rightarrow 01|23|023|12|13|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|23|13|23, (213456) \Rightarrow 01|02|013|12|23|13|13, (213546) \Rightarrow 01|02|013|12|13|23|13, (453126) \Rightarrow 01|02|023|12|13|23|02, (453216) \Rightarrow 01|02|013|12|23|13|01, (543126) \Rightarrow 01|02|023|12|23|13|02$  and  $(543216) \Rightarrow 01|02|013|12|13|23|01$

$\mathcal{K}_{12,5}(01|02|023|12|23|23|02, \infty, 2, 6, 7) \Rightarrow 01|02|023|12|02|23|02, 01|23|023|12|02|23|02, 01|02|023|12|02|02|02, 01|02|023|12|02|23|23$  (Case 1).

$\mathcal{K}_{12,6}(01|02|023|12|23|23|02, \infty, 2, 7) \Rightarrow 01|02|023|12|23|02|02, 01|23|023|12|23|02|02, 01|02|023|12|23|02|02$  (Case 1).

$\mathcal{K}_{12,1}(01|02|023|12|23|23|02, \infty) \Rightarrow 01|23|023|12|02|02|23$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|12|13|13|01, (453126) \Rightarrow 01|01|012|03|23|02|02$  and  $(543126) \Rightarrow 01|01|012|03|02|23|02$

$\mathcal{K}_{01,2}(01|02|023|12|23|23|12, 5, 6) \Rightarrow 01|23|023|12|02|23|12, 01|23|023|12|23|02|12$  (Case 1).

$\mathcal{K}_{01,5}(01|02|023|12|23|23|12, 6) \Rightarrow 01|02|023|12|02|02|12$  (Case 1).

Free by vertex permutation:  $(132456) \Rightarrow 01|02|123|12|23|23|02, (132465) \Rightarrow 01|02|123|12|23|02|23, (132564) \Rightarrow 01|02|123|12|02|23|23, (162453) \Rightarrow 01|02|123|02|23|23|12, (213456) \Rightarrow 01|02|013|12|13|13|12,$

$(231456) \Rightarrow 01|02|123|12|13|13|01$ ,  $(231465) \Rightarrow 01|02|123|12|13|01|13$ ,  $(231564) \Rightarrow 01|02|123|12|01|13|13$ ,  
 $(261453) \Rightarrow 01|02|123|01|13|13|12$ ,  $(312456) \Rightarrow 01|02|013|12|03|03|02$ ,  $(321456) \Rightarrow 01|02|023|12|03|03|01$ ,  
 $(451236) \Rightarrow 01|02|023|02|13|03|01$ ,  $(452136) \Rightarrow 01|02|013|01|23|03|02$ ,  $(453126) \Rightarrow 01|01|012|03|23|02|03$ ,  
 $(461235) \Rightarrow 01|02|023|02|13|01|03$ ,  $(462135) \Rightarrow 01|02|013|01|23|02|03$ ,  $(463125) \Rightarrow 01|01|012|03|23|03|02$ ,  
 $(541236) \Rightarrow 01|02|023|02|03|13|01$ ,  $(542136) \Rightarrow 01|02|013|01|03|23|02$ ,  $(543126) \Rightarrow 01|01|012|03|02|23|03$ ,  
 $(561234) \Rightarrow 01|02|023|02|01|13|03$ ,  $(562134) \Rightarrow 01|02|013|01|02|23|03$ ,  $(563124) \Rightarrow 01|01|012|03|03|23|02$ ,  
 $(612453) \Rightarrow 01|02|013|02|03|03|12$  and  $(621453) \Rightarrow 01|02|023|01|03|03|12$

$\mathcal{K}_{02,5}(01|02|023|12|23|23|23, \infty, 2, 6, 7) \Rightarrow 01|02|023|12|02|23|23, 01|23|023|12|02|23|23, 01|02|023|12|02|01|02|023|12|02|23|02$  (Case 1).

$\mathcal{K}_{02,6}(01|02|023|12|23|23|23, \infty, 2, 7) \Rightarrow 01|02|023|12|23|02|23, 01|23|023|12|23|02|23, 01|02|023|12|23|02|23$  (Case 1).

$\mathcal{K}_{02,1}(01|02|023|12|23|23|23, \infty) \Rightarrow 01|23|023|12|02|02|02$  (Case 1).

Free by vertex permutation:  $(163452) \Rightarrow 01|23|023|12|23|23|02$ ,  $(213456) \Rightarrow 01|02|013|12|13|13|13$ ,  
 $(263451) \Rightarrow 01|23|012|03|01|01|02$ ,  $(453126) \Rightarrow 01|01|012|03|23|02|01$ ,  $(463125) \Rightarrow 01|01|012|03|23|01|02$ ,  
 $(543126) \Rightarrow 01|01|012|03|02|23|01$  and  $(563124) \Rightarrow 01|01|012|03|01|23|02$

$\mathcal{K}_{03,5}(01|02|023|13|02|12|12, \infty, 6, 7) \Rightarrow 01|02|023|13|03|12|12, 01|02|023|13|03|13|12, 01|02|023|13|03|12|12$  (Case 1).

$\mathcal{K}_{03,6}(01|02|023|13|02|12|12, \infty, 7) \Rightarrow 01|02|023|13|02|13|12, 01|02|023|13|02|13|13$  (Case 1).

$\mathcal{K}_{03,4}(01|02|023|13|02|12|12, \infty) \Rightarrow 01|02|023|12|02|12|12$  (Case 1).

$\mathcal{K}_{03,7}(01|02|023|13|02|12|12, \infty) \Rightarrow 01|02|023|13|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|13|12|02|12$ ,  $(213456) \Rightarrow 01|02|013|23|01|12|12$   
 and  $(213546) \Rightarrow 01|02|013|23|12|01|12$

$\mathcal{K}_{23,4}(01|02|023|13|03|03|23, 5, 6) \Rightarrow 01|02|023|12|02|03|23, 01|02|023|12|03|02|23$  (Case 1).

$\mathcal{K}_{23,5}(01|02|023|13|03|03|23, 6) \Rightarrow 01|02|023|13|02|02|23$  (Case 1).

Free by vertex permutation:  $(124563) \Rightarrow 01|02|023|23|13|03|03$ ,  $(125463) \Rightarrow 01|02|023|23|03|13|03$ ,  
 $(126453) \Rightarrow 01|02|023|23|03|03|13$ ,  $(213456) \Rightarrow 01|02|013|23|03|03|13$ ,  $(214563) \Rightarrow 01|02|013|13|23|03|03$ ,  
 $(215463) \Rightarrow 01|02|013|13|03|23|03$ ,  $(216453) \Rightarrow 01|02|013|13|03|03|23$ ,  $(453126) \Rightarrow 01|01|012|03|13|12|02$   
 and  $(543126) \Rightarrow 01|01|012|03|12|13|02$

$\mathcal{K}_{03,2}(01|02|023|13|13|23|23, 1, 5, 6) \Rightarrow 01|02|023|01|01|02|02, 01|23|023|12|01|23|23, 01|23|023|12|12|03|23$  (Case 1).

$\mathcal{K}_{03,5}(01|02|023|13|13|23|23, 1, 6) \Rightarrow 01|23|023|01|12|03|03, 01|02|023|13|01|02|23$  (Case 1).

$\mathcal{K}_{03,1}(01|02|023|13|13|23|23, 6) \Rightarrow 01|23|023|01|01|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|13|23|13|23$ ,  $(213456) \Rightarrow 01|02|013|23|23|13|13$ ,  
 $(213546) \Rightarrow 01|02|013|23|13|23|13$ ,  $(312645) \Rightarrow 01|23|012|03|12|12|23$ ,  $(321645) \Rightarrow 01|23|023|12|03|03|01$ ,  
 $(453126) \Rightarrow 01|02|023|01|13|23|02$ ,  $(453216) \Rightarrow 01|02|013|02|23|13|01$ ,  $(543126) \Rightarrow 01|02|023|01|23|13|02$   
 and  $(543216) \Rightarrow 01|02|013|02|13|23|01$

$\mathcal{K}_{23,5}(01|02|023|13|23|23|03, \infty, 2, 4, 6) \Rightarrow 01|02|023|13|02|23|03, 01|23|023|12|03|23|02, 01|02|023|01|02|23|03$  (Case 1).

$\mathcal{K}_{23,6}(01|02|023|13|23|23|03, \infty, 2, 4) \Rightarrow 01|02|023|13|23|02|03, 01|23|023|12|23|03|02, 01|02|023|01|23|02|03$  (Case 1).

$\mathcal{K}_{23,1}(01|02|023|13|23|23|03, \infty) \Rightarrow 01|23|023|01|02|02|03$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|23|13|13|03, (453126) \Rightarrow 01|01|012|03|23|12|02$  and  $(543126) \Rightarrow 01|01|012|03|12|23|02$

$\mathcal{K}_{03,2}(01|02|023|13|23|23|23, 1, 5, 6) \Rightarrow 01|02|023|01|02|02|02, 01|23|023|12|03|23|23, 01|23|023|12|23|03|23$  (Case 1).

$\mathcal{K}_{03,5}(01|02|023|13|23|23|23, 1, 6) \Rightarrow 01|23|023|01|23|02|02, 01|02|023|13|02|02|23$  (Case 1).

$\mathcal{K}_{03,1}(01|02|023|13|23|23|23, 6) \Rightarrow 01|23|023|01|02|23|02$  (Case 1).

Free by vertex permutation:  $(126453) \Rightarrow 01|02|023|23|23|23|13, (134562) \Rightarrow 01|23|023|02|13|23|23, (135462) \Rightarrow 01|23|023|02|23|13|23, (213456) \Rightarrow 01|02|013|23|13|13|13, (216453) \Rightarrow 01|02|013|13|13|13|23, (234561) \Rightarrow 01|23|012|02|13|01|01, (235461) \Rightarrow 01|23|012|02|01|13|01, (451236) \Rightarrow 01|02|023|02|13|23|02, (452136) \Rightarrow 01|02|013|01|23|13|01, (453126) \Rightarrow 01|01|012|03|23|12|01, (461235) \Rightarrow 01|02|023|02|13|02|23, (462135) \Rightarrow 01|02|013|01|23|01|13, (541236) \Rightarrow 01|02|023|02|23|13|02, (542136) \Rightarrow 01|02|013|01|13|23|01, (543126) \Rightarrow 01|01|012|03|12|23|01, (561234) \Rightarrow 01|02|023|02|02|13|23$  and  $(562134) \Rightarrow 01|02|013|01|01|23|13$

$\mathcal{K}_{01,4}(01|02|023|23|01|12|02, \infty, 5, 6) \Rightarrow 01|02|023|12|01|12|02, 01|02|023|12|03|12|02, 01|02|023|12|01|23|12$  (Case 1).

$\mathcal{K}_{01,5}(01|02|023|23|01|12|02, \infty, 6) \Rightarrow 01|02|023|23|03|12|02, 01|02|023|23|03|23|02$  (Case 1).

$\mathcal{K}_{01,3}(01|02|023|23|01|12|02, \infty) \Rightarrow 01|02|012|23|01|12|02$  (Case 1).

$\mathcal{K}_{01,6}(01|02|023|23|01|12|02, \infty) \Rightarrow 01|02|023|23|01|23|02$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|023|23|01|02|12, (123546) \Rightarrow 01|02|023|23|12|01|02, (123564) \Rightarrow 01|02|023|23|02|01|12, (213456) \Rightarrow 01|02|013|13|02|12|01, (213465) \Rightarrow 01|02|013|13|02|01|12, (213546) \Rightarrow 01|02|013|13|12|02|01$  and  $(213564) \Rightarrow 01|02|013|13|01|02|12$

$\mathcal{K}_{13,5}(01|02|023|23|02|02|02, 6, 7) \Rightarrow 01|02|023|23|03|03|02, 01|02|023|23|03|02|03$  (Case 1).

$\mathcal{K}_{13,6}(01|02|023|23|02|02|02, 7) \Rightarrow 01|02|023|23|02|03|03$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|13|01|01|01$

$\mathcal{K}_{02,4}(01|02|023|23|02|12|12, \infty, 6, 7) \Rightarrow 01|02|023|12|02|12|12, 01|02|023|12|02|23|12, 01|02|023|12|02|12|12$  (Case 1).

$\mathcal{K}_{02,6}(01|02|023|23|02|12|12, \infty, 7) \Rightarrow 01|02|023|23|02|23|12, 01|02|023|23|02|23|23$  (Case 1).

$\mathcal{K}_{02,3}(01|02|023|23|02|12|12, \infty) \Rightarrow 01|02|012|23|02|12|12$  (Case 1).

$\mathcal{K}_{02,7}(01|02|023|23|02|12|12, \infty) \Rightarrow 01|02|023|23|02|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|23|12|02|12, (213456) \Rightarrow 01|02|013|13|01|12|12$  and  $(213546) \Rightarrow 01|02|013|13|12|01|12$

$\mathcal{K}_{13,5}(01|02|023|23|03|03|03, 6, 7) \Rightarrow 01|02|023|23|02|02|03, 01|02|023|23|02|03|02$  (Case 1).

$\mathcal{K}_{13,6}(01|02|023|23|03|03|03, 7) \Rightarrow 01|02|023|23|03|02|02$  (Case 1).

Free by vertex permutation:  $(126345) \Rightarrow 01|02|023|03|03|03|23, (213456) \Rightarrow 01|02|013|13|03|03|03$  and  $(216345) \Rightarrow 01|02|013|03|03|03|13$

$\mathcal{K}_{23,5}(01|02|023|23|23|23|03, \infty, 2, 4, 6) \Rightarrow 01|02|023|23|02|23|03, 01|23|023|23|02|23|03, 01|02|023|02|02|23|03, 01|02|023|23|02|02|03$  (Case 1).

$\mathcal{K}_{23,6}(01|02|023|23|23|23|03, \infty, 2, 4) \Rightarrow 01|02|023|23|23|02|03, 01|23|023|23|23|02|03, 01|02|023|02|23|02|03$  (Case 1).

$\mathcal{K}_{23,2}(01|02|023|23|23|23|03, \infty) \Rightarrow 01|23|023|23|23|23|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|013|13|13|13|03$

$\mathcal{K}_{02,4}(01|02|123|01|02|03|03, 6, 7) \Rightarrow 01|02|123|03|02|01|03, 01|02|123|03|02|03|01$  (Case 1).

$\mathcal{K}_{02,6}(01|02|123|01|02|03|03, 7) \Rightarrow 01|02|123|01|02|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|01|03|02|03, (132456) \Rightarrow 01|01|023|12|12|13|13, (132546) \Rightarrow 01|01|023|12|13|12|13, (213456) \Rightarrow 01|02|123|02|01|03|03$  and  $(213546) \Rightarrow 01|02|123|02|03|01|03$

$\mathcal{K}_{03,6}(01|02|123|01|23|03|03, \infty, 4, 5, 7) \Rightarrow 01|02|123|01|23|01|03, 01|02|123|03|23|01|03, 01|02|123|01|12|03|01, 01|02|123|01|23|01|01$  (Case 1).

$\mathcal{K}_{03,4}(01|02|123|01|23|03|03, \infty, 5, 7) \Rightarrow 01|02|123|03|23|03|03, 01|02|123|03|12|03|03, 01|02|123|03|23|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|01|03|23|03, (132456) \Rightarrow 01|01|023|12|23|13|13, (132546) \Rightarrow 01|01|023|12|13|23|13, (213456) \Rightarrow 01|02|123|02|13|03|03, (213546) \Rightarrow 01|02|123|02|03|13|03, (614532) \Rightarrow 01|02|123|02|03|12|03, (615432) \Rightarrow 01|02|123|02|12|03|03, (624531) \Rightarrow 01|02|123|01|03|12|03, (625431) \Rightarrow 01|02|123|01|12|03|03, (634512) \Rightarrow 01|01|023|12|13|02|13, (635412) \Rightarrow 01|01|023|12|02|13|13, (645132) \Rightarrow 01|02|013|02|12|23|23, (645231) \Rightarrow 01|02|023|01|12|13|13, (654132) \Rightarrow 01|02|013|02|23|12|23$  and  $(654231) \Rightarrow 01|02|023|01|13|12|13$

$\mathcal{K}_{01,4}(01|02|123|01|23|23|02, 5, 6) \Rightarrow 01|02|123|03|12|23|02, 01|02|123|03|23|12|02$  (Case 1).

$\mathcal{K}_{01,5}(01|02|123|01|23|23|02, 6) \Rightarrow 01|02|123|01|12|12|02$  (Case 1).

Free by vertex permutation:  $(126453) \Rightarrow 01|02|123|02|23|23|01, (132456) \Rightarrow 01|01|023|12|23|23|12, (213456) \Rightarrow 01|02|123|02|13|13|01, (216453) \Rightarrow 01|02|123|01|13|13|02$  and  $(316452) \Rightarrow 01|01|023|12|03|03|12$

$\mathcal{K}_{03,5}(01|02|123|01|23|23|03, \infty, 4, 6, 7) \Rightarrow 01|02|123|01|12|23|03, 01|02|123|03|12|23|03, 01|02|123|01|12|13|01, 01|02|123|01|12|23|01$  (Case 1).

$\mathcal{K}_{03,6}(01|02|123|01|23|23|03, \infty, 4, 7) \Rightarrow 01|02|123|01|23|12|03, 01|02|123|03|23|12|03, 01|02|123|01|23|12|03$  (Case 1).

$\mathcal{K}_{03,4}(01|02|123|01|23|23|03, \infty) \Rightarrow 01|02|123|03|23|23|03$  (Case 1).

Free by vertex permutation:  $(132456) \Rightarrow 01|01|023|12|23|23|13$  and  $(213456) \Rightarrow 01|02|123|02|13|13|03$

$\mathcal{K}_{12,1}(01|02|123|01|23|23|12, \infty, 5, 6) \Rightarrow 01|02|123|03|12|12|23, 01|02|123|03|23|12|23, 01|02|123|03|12|23|12$  (Case 1).

$\mathcal{K}_{12,5}(01|02|123|01|23|23|12, \infty, 6) \Rightarrow 01|02|123|01|12|23|12, 01|02|123|01|12|12|12$  (Case 1).

$\mathcal{K}_{12,6}(01|02|123|01|23|23|12, \infty) \Rightarrow 01|02|123|01|23|12|12$  (Case 1).

Free by vertex permutation:  $(126453) \Rightarrow 01|02|123|12|23|23|01, (213456) \Rightarrow 01|02|123|02|13|13|12, (216453) \Rightarrow 01|02|123|12|13|13|02, (316452) \Rightarrow 01|02|023|12|03|03|12, (326451) \Rightarrow 01|02|013|12|03|03|12, (361452) \Rightarrow 01|02|023|01|23|23|12, (362451) \Rightarrow 01|02|013|02|13|13|12, (453126) \Rightarrow 01|01|012|23|23|03|02$  and  $(543126) \Rightarrow 01|01|012|23|03|23|02$

$\mathcal{K}_{12,4}(01|02|123|02|02|23|23, \infty, 1, 2, 3, 5, 7) \Rightarrow 01|02|123|23|02|23|23, 01|23|012|02|23|02|02, 01|23|023|23|12|23|23, 01|02|012|23|02|23|23, 01|02|123|23|23|23|23, 01|02|123|23|02|23|02$  (Case 1).

$\mathcal{K}_{12,1}(01|02|123|02|02|23|23, \infty, 2, 3, 5, 7) \Rightarrow 01|23|012|23|23|02|02, 01|02|012|23|23|02|02, 01|23|023|23|23|12|12, 01|23|012|23|02|02|02, 01|23|012|23|23|02|23$  (Case 1).

$\mathcal{K}_{12,2}(01|02|123|02|02|23|23, 7) \Rightarrow 01|23|023|12|12|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|23|02|23, (213456) \Rightarrow 01|02|123|01|01|13|13$  and  $(213546) \Rightarrow 01|02|123|01|13|01|13$

$\mathcal{K}_{12,4}(01|02|123|02|03|02|23, 1, 2, 3, 6, 7) \Rightarrow 01|23|012|02|03|23|02, 01|23|023|23|12|13|23, 01|02|012|23|03|02|23, 01|02|123|23|03|23|23, 01|02|123|23|03|02|02$  (Case 1).

$\mathcal{K}_{12,2}(01|02|123|02|03|02|23, 7) \Rightarrow 01|23|023|12|13|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|02|03|23, (213456) \Rightarrow 01|02|123|01|03|01|13$  and  $(213546) \Rightarrow 01|02|123|01|01|03|13$

$\mathcal{K}_{02,2}(01|02|123|02|03|12|02, \infty, 3, 4, 7) \Rightarrow 01|23|023|12|13|02|12, 01|23|012|02|03|12|02, 01|23|023|23|12|02, 01|23|023|12|13|02|23$  (Case 1).

$\mathcal{K}_{02,4}(01|02|123|02|03|12|02, \infty, 3, 7) \Rightarrow 01|02|123|23|03|12|02, 01|02|012|23|03|12|02, 01|02|123|23|03|12|02$  (Case 1).

$\mathcal{K}_{02,1}(01|02|123|02|03|12|02, \infty) \Rightarrow 01|23|012|23|03|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|12|03|02, (213456) \Rightarrow 01|02|123|01|03|12|01, (213546) \Rightarrow 01|02|123|01|12|03|01, (312465) \Rightarrow 01|01|023|12|13|01|02$  and  $(312564) \Rightarrow 01|01|023|12|01|13|02$

$\mathcal{K}_{13,4}(01|02|123|02|03|23|23, 1, 2, 3, 6, 7) \Rightarrow 01|23|012|02|03|02|02, 01|23|023|23|12|23|23, 01|02|012|23|03|23|23, 01|02|123|23|03|02|23, 01|02|123|23|03|23|02$  (Case 1).

$\mathcal{K}_{13,2}(01|02|123|02|03|23|23, 7) \Rightarrow 01|23|023|12|13|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|23|03|23, (213456) \Rightarrow 01|02|123|01|03|13|13$  and  $(213546) \Rightarrow 01|02|123|01|13|03|13$

$\mathcal{K}_{13,2}(01|02|123|02|12|03|23, \infty, 3, 4, 7) \Rightarrow 01|23|023|12|02|13|23, 01|23|012|02|12|03|23, 01|23|023|23|02|12, 01|23|023|12|02|13|12$  (Case 1).

$\mathcal{K}_{13,4}(01|02|123|02|12|03|23, \infty, 3, 7) \Rightarrow 01|02|123|23|12|03|23, 01|02|012|23|12|03|23, 01|02|123|23|12|03|23$  (Case 1).

$\mathcal{K}_{13,1}(01|02|123|02|12|03|23, \infty) \Rightarrow 01|23|012|23|02|13|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|03|12|23, (213456) \Rightarrow 01|02|123|01|12|03|13, (213546) \Rightarrow 01|02|123|01|03|12|13, (312645) \Rightarrow 01|01|023|12|13|03|02$  and  $(312654) \Rightarrow 01|01|023|12|03|13|02$

$\mathcal{K}_{12,4}(01|02|123|02|13|03|02, \infty, 5, 6, 7) \Rightarrow 01|02|123|03|13|03|02, 01|02|123|03|12|03|02, 01|02|123|03|13|02, 01|02|123|03|13|03|03$  (Case 1).

$\mathcal{K}_{12,6}(01|02|123|02|13|03|02, \infty, 5, 7) \Rightarrow 01|02|123|02|13|02|02, 01|02|123|02|12|02|02, 01|02|123|02|13|02|02$  (Case 1).

$\mathcal{K}_{12,2}(01|02|123|02|13|03|02, \infty) \Rightarrow 01|02|123|03|12|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|03|13|02, (213456) \Rightarrow 01|02|123|01|23|03|01, (213546) \Rightarrow 01|02|123|01|03|23|01, (312456) \Rightarrow 01|01|023|12|23|13|01$  and  $(312546) \Rightarrow 01|01|023|12|13|23|01$

$\mathcal{K}_{03,4}(01|02|123|02|13|13|02, \infty, 5, 6) \Rightarrow 01|02|123|03|13|13|02, 01|02|123|03|12|13|02, 01|02|123|03|13|12|$   
(Case 1).

$\mathcal{K}_{03,5}(01|02|123|02|13|13|02, \infty, 6) \Rightarrow 01|02|123|02|12|13|02, 01|02|123|02|12|12|02$  (Case 1).

$\mathcal{K}_{03,2}(01|02|123|02|13|13|02, \infty) \Rightarrow 01|02|123|03|12|12|03$  (Case 1).

$\mathcal{K}_{03,6}(01|02|123|02|13|13|02, \infty) \Rightarrow 01|02|123|02|13|12|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|123|01|23|23|01$  and  $(312456) \Rightarrow 01|01|023|12|23|23|01$

$\mathcal{K}_{23,4}(01|02|123|02|13|13|23, 5, 6) \Rightarrow 01|02|123|03|12|13|23, 01|02|123|03|13|12|23$  (Case 1).

$\mathcal{K}_{23,5}(01|02|123|02|13|13|23, 6) \Rightarrow 01|02|123|02|12|12|23$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|123|01|23|23|13, (412356) \Rightarrow 01|01|023|23|12|23|03,$   
 $(435126) \Rightarrow 01|01|012|23|03|23|12, (512346) \Rightarrow 01|01|023|23|23|12|03$  and  $(534126) \Rightarrow 01|01|012|23|23|03|12$

$\mathcal{K}_{03,5}(01|02|123|02|23|23|03, 6, 7) \Rightarrow 01|02|123|02|12|12|03, 01|02|123|02|12|23|01$  (Case 1).

$\mathcal{K}_{03,6}(01|02|123|02|23|23|03, 7) \Rightarrow 01|02|123|02|23|12|01$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|123|01|13|13|03, (312456) \Rightarrow 01|01|023|12|03|03|13,$   
 $(316452) \Rightarrow 01|02|123|03|12|12|01, (326451) \Rightarrow 01|02|123|03|12|12|02, (436152) \Rightarrow 01|02|013|12|23|01|12,$   
 $(436251) \Rightarrow 01|02|023|12|13|02|12, (536142) \Rightarrow 01|02|013|12|01|23|12$  and  $(536241) \Rightarrow 01|02|023|12|02|13|12$

$\mathcal{K}_{02,5}(01|02|123|02|23|23|23, 6, 7) \Rightarrow 01|02|123|02|12|12|23, 01|02|123|02|12|23|12$  (Case 1).

$\mathcal{K}_{02,6}(01|02|123|02|23|23|23, 7) \Rightarrow 01|02|123|02|23|12|12$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|123|01|13|13|13, (316245) \Rightarrow 01|02|023|13|02|02|01,$   
 $(326145) \Rightarrow 01|02|013|23|01|01|02, (435126) \Rightarrow 01|01|012|03|23|03|01, (436125) \Rightarrow 01|01|012|03|23|01|03,$   
 $(534126) \Rightarrow 01|01|012|03|03|23|01$  and  $(536124) \Rightarrow 01|01|012|03|01|23|03$

$\mathcal{K}_{03,6}(01|02|123|03|12|01|02, \infty, 1, 2, 3, 7) \Rightarrow 01|02|123|03|12|13|02, 01|23|012|03|12|01|23,$   
 $01|23|023|12|03|02|13, 01|02|012|03|12|13|02, 01|02|123|03|12|13|23$  (Case 1).

$\mathcal{K}_{03,3}(01|02|123|03|12|01|02, \infty) \Rightarrow 01|02|012|03|12|01|02$  (Case 1).

$\mathcal{K}_{03,7}(01|02|123|03|12|01|02, \infty) \Rightarrow 01|02|123|03|12|01|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|03|01|12|02, (213456) \Rightarrow 01|02|123|03|12|02|01$   
and  $(213546) \Rightarrow 01|02|123|03|02|12|01$

$\mathcal{K}_{03,5}(01|02|123|03|12|02|02, \infty, 6, 7) \Rightarrow 01|02|123|03|13|02|02, 01|02|123|03|13|03|02, 01|02|123|03|13|02|$   
(Case 1).

$\mathcal{K}_{03,6}(01|02|123|03|12|02|02, \infty, 7) \Rightarrow 01|02|123|03|12|03|02, 01|02|123|03|12|03|03$  (Case 1).

$\mathcal{K}_{03,4}(01|02|123|03|12|02|02, \infty) \Rightarrow 01|02|123|02|12|02|02$  (Case 1).

$\mathcal{K}_{03,7}(01|02|123|03|12|02|02, \infty) \Rightarrow 01|02|123|03|12|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|03|02|12|02, (213456) \Rightarrow 01|02|123|03|12|01|01$   
and  $(213546) \Rightarrow 01|02|123|03|01|12|01$

$\mathcal{K}_{13,2}(01|02|123|03|12|03|23, 3, 7) \Rightarrow 01|23|012|03|12|03|23, 01|23|023|12|03|12|13$  (Case 1).

$\mathcal{K}_{13,3}(01|02|123|03|12|03|23, 7) \Rightarrow 01|02|012|03|12|03|02$  (Case 1).



Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|03|03|12|23$ ,  $(213456) \Rightarrow 01|02|123|03|12|03|13$ ,  
 $(213546) \Rightarrow 01|02|123|03|03|12|13$ ,  $(451236) \Rightarrow 01|23|023|01|12|13|03$ ,  $(452136) \Rightarrow 01|23|012|23|03|13|12$ ,  
 $(541236) \Rightarrow 01|23|023|01|12|13|02$  and  $(542136) \Rightarrow 01|23|012|23|03|13|02$

$\mathcal{K}_{23,4}(01|02|123|03|13|13|23, 5, 6) \Rightarrow 01|02|123|02|12|13|23$ ,  $01|02|123|02|13|12|23$  (Case 1).

$\mathcal{K}_{23,5}(01|02|123|03|13|13|23, 6) \Rightarrow 01|02|123|03|12|12|23$  (Case 1).

Free by vertex permutation:  $(124563) \Rightarrow 01|02|123|23|03|13|13$ ,  $(125463) \Rightarrow 01|02|123|23|13|03|13$ ,  
 $(126453) \Rightarrow 01|02|123|23|13|13|03$ ,  $(213456) \Rightarrow 01|02|123|03|23|23|13$ ,  $(214563) \Rightarrow 01|02|123|13|03|23|23$ ,  
 $(215463) \Rightarrow 01|02|123|13|23|03|23$ ,  $(216453) \Rightarrow 01|02|123|13|23|23|03$ ,  $(453126) \Rightarrow 01|01|012|03|13|23|02$   
and  $(543126) \Rightarrow 01|01|012|03|23|13|02$

$\mathcal{K}_{03,1}(01|02|123|03|23|23|23, \infty, 5, 6) \Rightarrow 01|02|123|01|12|12|12$ ,  $01|02|123|01|23|12|12$ ,  $01|02|123|01|12|23|12$  (Case 1).

$\mathcal{K}_{03,5}(01|02|123|03|23|23|23, \infty, 6) \Rightarrow 01|02|123|03|12|23|23$ ,  $01|02|123|03|12|12|23$  (Case 1).

$\mathcal{K}_{03,6}(01|02|123|03|23|23|23, \infty) \Rightarrow 01|02|123|03|23|12|23$  (Case 1).

Free by vertex permutation:  $(126453) \Rightarrow 01|02|123|23|23|23|03$ ,  $(213456) \Rightarrow 01|02|123|03|13|13|13$ ,  
 $(216453) \Rightarrow 01|02|123|13|13|13|03$ ,  $(316452) \Rightarrow 01|02|023|13|02|02|12$ ,  $(326451) \Rightarrow 01|02|013|23|01|01|12$ ,  
 $(453126) \Rightarrow 01|01|012|03|23|13|01$  and  $(543126) \Rightarrow 01|01|012|03|13|23|01$

$\mathcal{K}_{12,1}(01|02|123|12|03|12|12, \infty, 6, 7) \Rightarrow 01|02|123|23|01|23|23$ ,  $01|02|123|23|01|12|23$ ,  $01|02|123|23|01|23|12$  (Case 1).

$\mathcal{K}_{12,4}(01|02|123|12|03|12|12, \infty, 6, 7) \Rightarrow 01|02|123|23|03|12|12$ ,  $01|02|123|23|03|23|12$ ,  $01|02|123|23|03|12|12$  (Case 1).

$\mathcal{K}_{12,5}(01|02|123|12|03|12|12, \infty, 6, 7) \Rightarrow 01|02|123|12|01|12|12$ ,  $01|02|123|12|01|23|12$ ,  $01|02|123|12|01|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|12|12|03|12$

$\mathcal{K}_{03,5}(01|02|123|12|03|23|23, \infty, 4, 6, 7) \Rightarrow 01|02|123|12|01|23|23$ ,  $01|02|123|23|01|23|23$ ,  $01|02|123|12|01|12|23$ ,  $01|02|123|12|01|23|12$  (Case 1).

$\mathcal{K}_{03,4}(01|02|123|12|03|23|23, \infty, 6, 7) \Rightarrow 01|02|123|23|03|23|23$ ,  $01|02|123|23|03|12|23$ ,  $01|02|123|23|03|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|12|23|03|23$ ,  $(213456) \Rightarrow 01|02|123|12|03|13|13$   
and  $(213546) \Rightarrow 01|02|123|12|13|03|13$

$\mathcal{K}_{23,4}(01|02|123|12|13|13|23, 5, 6) \Rightarrow 01|02|123|13|12|13|23$ ,  $01|02|123|13|13|12|23$  (Case 1).

$\mathcal{K}_{23,5}(01|02|123|12|13|13|23, 6) \Rightarrow 01|02|123|12|12|12|23$  (Case 1).

Free by vertex permutation:  $(132456) \Rightarrow 01|02|023|12|03|03|23$ ,  $(213456) \Rightarrow 01|02|123|12|23|23|13$ ,  
 $(231456) \Rightarrow 01|02|013|12|03|03|13$ ,  $(435126) \Rightarrow 01|01|012|23|03|02|12$  and  $(534126) \Rightarrow 01|01|012|23|02|03|12$

$\mathcal{K}_{12,4}(01|02|123|12|23|23|12, \infty, 5, 6) \Rightarrow 01|02|123|23|23|23|12$ ,  $01|02|123|23|12|23|12$ ,  $01|02|123|23|23|12|12$  (Case 1).

$\mathcal{K}_{12,5}(01|02|123|12|23|23|12, \infty, 6) \Rightarrow 01|02|123|12|12|23|12$ ,  $01|02|123|12|12|12|12$  (Case 1).

$\mathcal{K}_{12,1}(01|02|123|12|23|23|12, \infty) \Rightarrow 01|02|123|23|12|12|23$  (Case 1).

$\mathcal{K}_{12,6}(01|02|123|12|23|23|12, \infty) \Rightarrow 01|02|123|12|23|12|12$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|123|12|13|13|12$

$\mathcal{K}_{12,5}(01|02|123|12|23|23|23, \infty, 4, 6, 7) \Rightarrow 01|02|123|12|12|23|23, 01|02|123|23|12|23|23, 01|02|123|12|12|12|23|12$  (Case 1).

$\mathcal{K}_{12,6}(01|02|123|12|23|23|23, \infty, 4, 7) \Rightarrow 01|02|123|12|23|12|23, 01|02|123|23|23|12|23, 01|02|123|12|23|12|23$  (Case 1).

$\mathcal{K}_{12,4}(01|02|123|12|23|23|23, \infty) \Rightarrow 01|02|123|23|23|23|23$  (Case 1).

Free by vertex permutation:  $(163452) \Rightarrow 01|23|023|02|23|23|12, (213456) \Rightarrow 01|02|123|12|13|13|13$  and  $(263451) \Rightarrow 01|23|012|02|01|01|03$

$\mathcal{K}_{03,5}(01|02|123|13|02|12|12, \infty, 6, 7) \Rightarrow 01|02|123|13|03|12|12, 01|02|123|13|03|13|12, 01|02|123|13|03|12|12$  (Case 1).

$\mathcal{K}_{03,6}(01|02|123|13|02|12|12, \infty, 7) \Rightarrow 01|02|123|13|02|13|12, 01|02|123|13|02|13|13$  (Case 1).

$\mathcal{K}_{03,4}(01|02|123|13|02|12|12, \infty) \Rightarrow 01|02|123|12|02|12|12$  (Case 1).

$\mathcal{K}_{03,7}(01|02|123|13|02|12|12, \infty) \Rightarrow 01|02|123|13|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|13|12|02|12, (213456) \Rightarrow 01|02|123|23|01|12|12$  and  $(213546) \Rightarrow 01|02|123|23|12|01|12$

$\mathcal{K}_{03,5}(01|02|123|13|23|03|03, 6, 7) \Rightarrow 01|02|123|13|12|01|03, 01|02|123|13|12|03|01$  (Case 1).

$\mathcal{K}_{03,6}(01|02|123|13|23|03|03, 7) \Rightarrow 01|02|123|13|23|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|13|03|23|03, (213456) \Rightarrow 01|02|123|23|13|03|03, (213546) \Rightarrow 01|02|123|23|03|13|03, (456312) \Rightarrow 01|01|023|02|13|12|03, (465312) \Rightarrow 01|01|023|02|13|03|12, (546312) \Rightarrow 01|01|023|02|12|13|03$  and  $(564312) \Rightarrow 01|01|023|02|03|13|12$

$\mathcal{K}_{13,5}(01|02|123|13|23|23|23, 6, 7) \Rightarrow 01|02|123|13|12|12|23, 01|02|123|13|12|23|12$  (Case 1).

$\mathcal{K}_{13,6}(01|02|123|13|23|23|23, 7) \Rightarrow 01|02|123|13|23|12|12$  (Case 1).

Free by vertex permutation:  $(126345) \Rightarrow 01|02|123|23|23|23|13, (213456) \Rightarrow 01|02|123|23|13|13|13$  and  $(216345) \Rightarrow 01|02|123|13|13|13|23$

$\mathcal{K}_{03,5}(01|02|123|23|01|02|02, \infty, 4, 6, 7) \Rightarrow 01|02|123|23|13|02|02, 01|02|123|02|13|02|02, 01|02|123|23|13|02|02, 01|02|123|23|13|02|23$  (Case 1).

$\mathcal{K}_{03,6}(01|02|123|23|01|02|02, \infty, 4, 7) \Rightarrow 01|02|123|23|01|23|02, 01|02|123|02|01|23|02, 01|02|123|23|01|23|02$  (Case 1).

$\mathcal{K}_{03,4}(01|02|123|23|01|02|02, \infty, 7) \Rightarrow 01|02|123|02|01|02|02, 01|02|123|02|01|02|23$  (Case 1).

$\mathcal{K}_{03,3}(01|02|123|23|01|02|02, \infty) \Rightarrow 01|02|012|23|01|02|02$  (Case 1).

$\mathcal{K}_{03,7}(01|02|123|23|01|02|02, \infty) \Rightarrow 01|02|123|23|01|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|23|02|01|02, (213456) \Rightarrow 01|02|123|13|02|01|01$  and  $(213546) \Rightarrow 01|02|123|13|01|02|01$

$\mathcal{K}_{02,5}(01|02|123|23|01|12|02, 1, 2, 3, 4, 7) \Rightarrow 01|23|012|02|01|12|23, 01|23|023|23|02|03|13, 01|02|012|23|13|12|02, 01|02|123|02|13|12|02, 01|02|123|23|13|12|23$  (Case 1).

$\mathcal{K}_{02,7}(01|02|123|23|01|12|02, 3, 4) \Rightarrow 01|02|012|23|01|12|23, 01|02|123|02|01|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|23|12|01|02, (213456) \Rightarrow 01|02|123|13|02|12|01$   
and  $(213546) \Rightarrow 01|02|123|13|12|02|01$

$\mathcal{K}_{01,5}(01|02|123|23|02|12|12, \infty, 1, 2, 3, 4) \Rightarrow 01|02|123|23|23|12|12, 01|23|012|02|02|12|12,$   
 $01|23|023|23|23|02|02, 01|02|012|23|23|12|12, 01|02|123|02|23|12|12$  (Case 1).

$\mathcal{K}_{01,3}(01|02|123|23|02|12|12, \infty) \Rightarrow 01|02|012|23|02|12|12$  (Case 1).

$\mathcal{K}_{01,4}(01|02|123|23|02|12|12, \infty) \Rightarrow 01|02|123|02|02|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|23|12|02|12, (213456) \Rightarrow 01|02|123|13|01|12|12$   
and  $(213546) \Rightarrow 01|02|123|13|12|01|12$

$\mathcal{K}_{02,6}(01|02|123|23|12|02|02, 1, 2, 3, 4, 7) \Rightarrow 01|23|012|02|12|02|23, 01|23|023|23|02|23|12,$   
 $01|02|012|23|12|23|02, 01|02|123|02|12|23|02, 01|02|123|23|12|23|23$  (Case 1).

$\mathcal{K}_{02,7}(01|02|123|23|12|02|02, 3, 4) \Rightarrow 01|02|012|23|12|02|23, 01|02|123|02|12|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|23|02|12|02, (213456) \Rightarrow 01|02|123|13|12|01|01$   
and  $(213546) \Rightarrow 01|02|123|13|01|12|01$

$\mathcal{K}_{13,5}(01|02|123|23|12|12|12, 6, 7) \Rightarrow 01|02|123|23|13|13|12, 01|02|123|23|13|12|13$  (Case 1).

$\mathcal{K}_{13,6}(01|02|123|23|12|12|12, 7) \Rightarrow 01|02|123|23|12|13|13$  (Case 1).

Free by vertex permutation:  $(163245) \Rightarrow 01|02|023|23|02|02|12, (213456) \Rightarrow 01|02|123|13|12|12|12$   
and  $(263145) \Rightarrow 01|02|013|13|01|01|12$

$\mathcal{K}_{02,4}(01|23|012|01|02|03|03, 3, 6, 7) \Rightarrow 01|23|023|02|03|02|02, 01|23|012|03|02|01|03, 01|23|012|03|02|03|02,$   
(Case 1).

$\mathcal{K}_{02,6}(01|23|012|01|02|03|03, 3, 7) \Rightarrow 01|23|023|01|02|01|03, 01|23|012|01|02|01|01$  (Case 1).

$\mathcal{K}_{02,3}(01|23|012|01|02|03|03, 7) \Rightarrow 01|23|023|01|02|03|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|01|03|02|03, (132645) \Rightarrow 01|01|012|23|03|03|02,$   
 $(213456) \Rightarrow 01|23|023|23|02|12|12, (213546) \Rightarrow 01|23|023|23|12|02|12, (312645) \Rightarrow 01|23|023|23|12|12|02,$   
 $(316245) \Rightarrow 01|02|023|23|12|12|23, (321645) \Rightarrow 01|23|012|01|03|03|02$  and  $(326145) \Rightarrow 01|02|013|13|12|12|13$

$\mathcal{K}_{01,3}(01|23|012|01|03|02|02, \infty, 4, 5) \Rightarrow 01|23|023|01|02|03|03, 01|23|023|02|02|03|03, 01|23|023|01|01|02|02,$   
(Case 1).

$\mathcal{K}_{01,4}(01|23|012|01|03|02|02, \infty, 5) \Rightarrow 01|23|012|03|03|02|02, 01|23|012|03|01|02|02$  (Case 1).

$\mathcal{K}_{01,5}(01|23|012|01|03|02|02, \infty) \Rightarrow 01|23|012|01|01|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|01|02|03|02, (213456) \Rightarrow 01|23|023|23|12|02|02$   
and  $(213546) \Rightarrow 01|23|023|23|02|12|02$

$\mathcal{K}_{02,4}(01|23|012|01|23|03|02, \infty, 2, 5, 7) \Rightarrow 01|23|012|02|23|03|02, 01|02|013|13|23|12|13, 01|23|012|02|13|02,$   
 $01|23|012|02|23|03|01$  (Case 1).

$\mathcal{K}_{02,5}(01|23|012|01|23|03|02, \infty, 2, 7) \Rightarrow 01|23|012|01|03|13|12, 01|02|013|01|02|12|13, 01|23|012|01|03|13|12,$   
(Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|23|012|01|23|02|03, (123546) \Rightarrow 01|23|012|01|03|23|02,$   
 $(123564) \Rightarrow 01|23|012|01|02|23|03, (213456) \Rightarrow 01|23|023|23|01|12|02, (213465) \Rightarrow 01|23|023|23|01|02|12,$   
 $(213546) \Rightarrow 01|23|023|23|12|01|02$  and  $(213564) \Rightarrow 01|23|023|23|02|01|12$

$\mathcal{K}_{03,5}(01|23|012|01|23|03|03, \infty, 3, 4, 6, 7) \Rightarrow 01|23|012|01|02|13|13, 01|23|023|01|12|03|03, 01|23|012|03|12|03|03, 01|23|012|01|02|01|13, 01|23|012|01|02|13|01$  (Case 1).

$\mathcal{K}_{03,4}(01|23|012|01|23|03|03, \infty, 3, 6, 7) \Rightarrow 01|23|012|03|23|03|03, 01|23|023|02|23|02|02, 01|23|012|03|23|03|03, 01|23|012|03|23|03|01$  (Case 1).

$\mathcal{K}_{03,3}(01|23|012|01|23|03|03, \infty, 6, 7) \Rightarrow 01|23|023|01|23|02|02, 01|23|023|01|23|01|02, 01|23|023|01|23|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|01|03|23|03, (213456) \Rightarrow 01|23|023|23|01|12|12$  and  $(213546) \Rightarrow 01|23|023|23|12|01|12$

$\mathcal{K}_{12,6}(01|23|012|02|01|23|23, \infty, 1, 3, 4, 5, 7) \Rightarrow 01|23|012|02|01|02|23, 01|02|123|23|13|23|02, 01|23|023|12|01|12|23, 01|23|012|23|01|02|23, 01|23|012|02|13|02|23, 01|23|012|02|01|02|02$  (Case 1).

$\mathcal{K}_{12,7}(01|23|012|02|01|23|23, \infty, 1, 3, 4, 5) \Rightarrow 01|23|012|02|01|23|02, 01|02|123|23|13|02|23, 01|23|023|12|01|23|12, 01|23|012|23|01|23|02, 01|23|012|02|13|23|02$  (Case 1).

$\mathcal{K}_{12,4}(01|23|012|02|01|23|23, \infty, 5) \Rightarrow 01|23|012|23|01|23|23, 01|23|012|23|03|23|23$  (Case 1).

$\mathcal{K}_{12,1}(01|23|012|02|01|23|23, \infty) \Rightarrow 01|02|123|23|13|02|02$  (Case 1).

$\mathcal{K}_{12,3}(01|23|012|02|01|23|23, \infty) \Rightarrow 01|23|023|12|01|23|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|02|23|01|23, (213456) \Rightarrow 01|23|023|02|23|01|01$  and  $(213546) \Rightarrow 01|23|023|02|01|23|01$

$\mathcal{K}_{03,2}(01|23|012|02|02|02|23, 1, 5, 6) \Rightarrow 01|23|012|01|01|01|03, 01|02|013|13|01|13|23, 01|02|013|13|13|01|23$  (Case 1).

$\mathcal{K}_{03,5}(01|23|012|02|02|02|23, 1, 6) \Rightarrow 01|02|013|01|13|01|02, 01|23|012|02|01|01|23$  (Case 1).

$\mathcal{K}_{03,1}(01|23|012|02|02|02|23, 6) \Rightarrow 01|02|013|01|01|13|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|023|02|02|02|01, (312465) \Rightarrow 01|02|023|23|02|01|02, (312564) \Rightarrow 01|02|023|23|01|02|02, (321465) \Rightarrow 01|02|013|13|01|02|01$  and  $(321564) \Rightarrow 01|02|013|13|02|01|01$

$\mathcal{K}_{03,5}(01|23|012|02|12|12|23, \infty, 6, 7) \Rightarrow 01|23|012|02|01|12|23, 01|23|012|02|01|01|23, 01|23|012|02|01|12|23$  (Case 1).

$\mathcal{K}_{03,6}(01|23|012|02|12|12|23, \infty, 7) \Rightarrow 01|23|012|02|12|01|23, 01|23|012|02|12|01|03$  (Case 1).

$\mathcal{K}_{03,7}(01|23|012|02|12|12|23, \infty) \Rightarrow 01|23|012|02|12|12|03$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|023|02|03|03|01$

$\mathcal{K}_{03,6}(01|23|012|02|12|23|23, \infty, 2, 5, 7) \Rightarrow 01|23|012|02|12|03|23, 01|02|013|03|13|02|23, 01|23|012|02|01|03|23, 01|23|012|02|12|03|03$  (Case 1).

$\mathcal{K}_{03,7}(01|23|012|02|12|23|23, \infty, 2, 5) \Rightarrow 01|23|012|02|12|23|03, 01|02|013|03|13|23|02, 01|23|012|02|01|23|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|02|23|12|23, (213456) \Rightarrow 01|23|023|02|03|01|01, (213546) \Rightarrow 01|23|023|02|01|03|01, (645312) \Rightarrow 01|01|023|02|01|03|23$  and  $(654312) \Rightarrow 01|01|023|02|03|01|23$

$\mathcal{K}_{01,3}(01|23|012|02|13|12|12, \infty, 4, 5) \Rightarrow 01|23|023|12|03|02|02, 01|23|023|23|02|03|03, 01|23|023|12|01|02|03$  (Case 1).

$\mathcal{K}_{01,4}(01|23|012|02|13|12|12, \infty, 5) \Rightarrow 01|23|012|23|03|02|02, 01|23|012|23|01|02|02$  (Case 1).

$\mathcal{K}_{01,5}(01|23|012|02|13|12|12, \infty) \Rightarrow 01|23|012|02|01|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|02|12|13|12, (213456) \Rightarrow 01|23|023|02|13|03|03$  and  $(213546) \Rightarrow 01|23|023|02|03|13|03$

$\mathcal{K}_{03,6}(01|23|012|02|13|23|23, \infty, 3, 4, 5, 7) \Rightarrow 01|23|012|02|13|02|23, 01|23|023|12|03|12|23, 01|23|012|23|03|12|23, 01|23|012|02|01|02|23, 01|23|012|02|13|02|02$  (Case 1).

$\mathcal{K}_{03,7}(01|23|012|02|13|23|23, \infty, 3, 4, 5) \Rightarrow 01|23|012|02|13|23|02, 01|23|023|12|03|23|12, 01|23|012|23|03|23|12, 01|23|012|02|01|23|02$  (Case 1).

$\mathcal{K}_{03,4}(01|23|012|02|13|23|23, \infty, 3, 5) \Rightarrow 01|23|012|23|03|23|23, 01|23|023|23|02|23|23, 01|23|012|23|01|23|23$  (Case 1).

$\mathcal{K}_{03,3}(01|23|012|02|13|23|23, \infty) \Rightarrow 01|23|023|12|03|23|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|02|23|13|23, (213456) \Rightarrow 01|23|023|02|13|01|01$  and  $(213546) \Rightarrow 01|23|023|02|01|13|01$

$\mathcal{K}_{01,3}(01|23|012|02|23|12|12, \infty, 4, 5) \Rightarrow 01|23|023|12|23|02|02, 01|23|023|23|23|02|02, 01|23|023|12|12|02|02$  (Case 1).

$\mathcal{K}_{01,4}(01|23|012|02|23|12|12, \infty, 5) \Rightarrow 01|23|012|23|23|02|02, 01|23|012|23|02|12|12$  (Case 1).

$\mathcal{K}_{01,5}(01|23|012|02|23|12|12, \infty) \Rightarrow 01|23|012|02|02|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|02|12|23|12, (213456) \Rightarrow 01|23|023|02|01|03|03$  and  $(213546) \Rightarrow 01|23|023|02|03|01|03$

$\mathcal{K}_{03,5}(01|23|012|03|02|02|23, \infty, 2, 6, 7) \Rightarrow 01|23|012|03|01|02|23, 01|02|013|12|01|13|23, 01|23|012|03|01|02|13$  (Case 1).

$\mathcal{K}_{03,6}(01|23|012|03|02|02|23, \infty, 2, 7) \Rightarrow 01|23|012|03|02|01|23, 01|02|013|12|13|01|23, 01|23|012|03|02|01|23$  (Case 1).

$\mathcal{K}_{03,1}(01|23|012|03|02|02|23, \infty) \Rightarrow 01|02|013|12|01|01|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|023|12|02|02|01$

$\mathcal{K}_{01,4}(01|23|012|03|12|12|13, \infty, 5, 6) \Rightarrow 01|23|012|23|02|02|03, 01|23|012|23|01|02|03, 01|23|012|23|02|01|03$  (Case 1).

$\mathcal{K}_{01,5}(01|23|012|03|12|12|13, \infty, 6) \Rightarrow 01|23|012|03|01|12|13, 01|23|012|03|01|01|13$  (Case 1).

$\mathcal{K}_{01,6}(01|23|012|03|12|12|13, \infty) \Rightarrow 01|23|012|03|12|01|13$  (Case 1).

Free by vertex permutation:  $(163452) \Rightarrow 01|02|013|12|03|03|23, (213456) \Rightarrow 01|23|023|12|03|03|13$  and  $(263451) \Rightarrow 01|02|023|12|03|03|13$

$\mathcal{K}_{02,3}(01|23|012|03|12|23|23, \infty, 6, 7) \Rightarrow 01|23|023|12|03|23|23, 01|23|023|12|03|13|23, 01|23|023|12|03|23|13$  (Case 1).

$\mathcal{K}_{02,6}(01|23|012|03|12|23|23, \infty, 7) \Rightarrow 01|23|012|03|12|02|23, 01|23|012|03|12|02|02$  (Case 1).

$\mathcal{K}_{02,7}(01|23|012|03|12|23|23, \infty) \Rightarrow 01|23|012|03|12|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|03|23|12|23$ ,  $(213456) \Rightarrow 01|23|023|12|03|01|01$ ,  
 $(213546) \Rightarrow 01|23|023|12|01|03|01$ ,  $(312645) \Rightarrow 01|02|123|23|01|01|13$ ,  $(321645) \Rightarrow 01|02|123|13|02|02|23$ ,  
 $(612345) \Rightarrow 01|02|123|13|01|01|23$  and  $(621345) \Rightarrow 01|02|123|23|02|02|13$

$\mathcal{K}_{03,5}(01|23|012|03|13|23|23, 3, 6, 7) \Rightarrow 01|23|023|12|01|23|23$ ,  $01|23|012|03|01|02|23$ ,  $01|23|012|03|01|23|0$   
(Case 1).

$\mathcal{K}_{03,6}(01|23|012|03|13|23|23, 3, 7) \Rightarrow 01|23|023|12|02|13|23$ ,  $01|23|012|03|13|02|02$  (Case 1).

$\mathcal{K}_{03,3}(01|23|012|03|13|23|23, 7) \Rightarrow 01|23|023|12|02|23|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|03|23|13|23$ ,  $(213456) \Rightarrow 01|23|023|12|13|01|01$ ,  
 $(213546) \Rightarrow 01|23|023|12|01|13|01$ ,  $(312645) \Rightarrow 01|02|123|23|01|01|03$ ,  $(321645) \Rightarrow 01|02|123|13|02|02|03$ ,  
 $(612345) \Rightarrow 01|02|123|03|01|01|23$ ,  $(621345) \Rightarrow 01|02|123|03|02|02|13$ ,  $(645312) \Rightarrow 01|01|023|12|01|13|23$   
and  $(654312) \Rightarrow 01|01|023|12|13|01|23$

$\mathcal{K}_{03,5}(01|23|012|03|23|13|13, 3, 6, 7) \Rightarrow 01|23|023|12|13|02|02$ ,  $01|23|012|03|02|01|13$ ,  $01|23|012|03|02|13|0$   
(Case 1).

$\mathcal{K}_{03,6}(01|23|012|03|23|13|13, 3, 7) \Rightarrow 01|23|023|12|23|01|02$ ,  $01|23|012|03|23|01|01$  (Case 1).

$\mathcal{K}_{03,3}(01|23|012|03|23|13|13, 7) \Rightarrow 01|23|023|12|23|02|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|03|13|23|13$ ,  $(132645) \Rightarrow 01|02|013|23|12|12|23$ ,  
 $(213456) \Rightarrow 01|23|023|12|01|13|13$ ,  $(213546) \Rightarrow 01|23|023|12|13|01|13$ ,  $(231645) \Rightarrow 01|02|023|13|12|12|13$ ,  
 $(465312) \Rightarrow 01|01|023|12|03|13|12$  and  $(564312) \Rightarrow 01|01|023|12|13|03|12$

$\mathcal{K}_{03,5}(01|23|012|23|01|01|23, 4, 6, 7) \Rightarrow 01|23|012|03|12|01|23$ ,  $01|23|012|23|02|02|23$ ,  $01|23|012|23|02|01|1$   
(Case 1).

$\mathcal{K}_{03,6}(01|23|012|23|01|01|23, 4, 7) \Rightarrow 01|23|012|03|01|12|23$ ,  $01|23|012|23|01|02|13$  (Case 1).

$\mathcal{K}_{03,4}(01|23|012|23|01|01|23, 7) \Rightarrow 01|23|012|03|01|01|03$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|023|01|23|23|01$

$\mathcal{K}_{03,5}(01|23|023|01|12|13|13, 6, 7) \Rightarrow 01|23|023|01|02|03|13$ ,  $01|23|023|01|02|13|03$  (Case 1).

$\mathcal{K}_{03,6}(01|23|023|01|12|13|13, 7) \Rightarrow 01|23|023|01|12|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|01|12|13|12$ ,  $(123645) \Rightarrow 01|23|023|01|12|12|13$ ,  
 $(132645) \Rightarrow 01|01|023|23|12|12|13$ ,  $(213456) \Rightarrow 01|23|012|23|03|13|13$ ,  $(213546) \Rightarrow 01|23|012|23|03|13|03$   
and  $(213645) \Rightarrow 01|23|012|23|03|03|13$

$\mathcal{K}_{03,5}(01|23|023|01|23|12|12, 4, 6, 7) \Rightarrow 01|23|023|12|03|12|12$ ,  $01|23|023|01|02|01|13$ ,  $01|23|023|01|02|13|0$   
(Case 1).

$\mathcal{K}_{03,6}(01|23|023|01|23|12|12, 4, 7) \Rightarrow 01|23|023|12|23|01|12$ ,  $01|23|023|01|23|01|01$  (Case 1).

$\mathcal{K}_{03,4}(01|23|023|01|23|12|12, 7) \Rightarrow 01|23|023|12|23|12|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|01|12|23|12$ ,  $(213456) \Rightarrow 01|23|012|23|01|03|03$ ,  
 $(213546) \Rightarrow 01|23|012|23|03|01|03$ ,  $(456123) \Rightarrow 01|02|013|02|23|01|23$ ,  $(456213) \Rightarrow 01|02|023|01|13|02|13$ ,  
 $(546123) \Rightarrow 01|02|013|02|01|23|23$  and  $(546213) \Rightarrow 01|02|023|01|02|13|13$

$\mathcal{K}_{02,4}(01|23|023|01|23|12|13, \infty, 2, 5, 7) \Rightarrow 01|23|023|12|23|13|12$ ,  $01|02|023|13|23|12|13$ ,  $01|23|023|12|03|1$   
 $01|23|023|12|23|13|01$  (Case 1).

$\mathcal{K}_{02,5}(01|23|023|01|23|12|13, \infty, 2, 7) \Rightarrow 01|23|023|01|02|12|13, 01|02|023|01|02|12|13, 01|23|023|01|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|01|12|23|13, (213456) \Rightarrow 01|23|012|23|01|03|13$  and  $(213546) \Rightarrow 01|23|012|23|03|01|13$

$\mathcal{K}_{23,5}(01|23|023|01|23|23|02, \infty, 2, 4, 6) \Rightarrow 01|23|023|01|02|23|03, 01|02|023|01|02|23|03, 01|23|023|12|03|23|03, 01|23|023|01|02|02|03$  (Case 1).

$\mathcal{K}_{23,6}(01|23|023|01|23|23|02, \infty, 2, 4) \Rightarrow 01|23|023|01|23|02|03, 01|02|023|01|23|02|03, 01|23|023|12|23|03|03$  (Case 1).

$\mathcal{K}_{23,1}(01|23|023|01|23|23|02, \infty) \Rightarrow 01|02|023|13|02|02|03$  (Case 1).

Free by vertex permutation:  $(132456) \Rightarrow 01|01|023|23|23|23|02, (213456) \Rightarrow 01|23|012|23|01|01|02, (453126) \Rightarrow 01|01|012|23|23|01|02$  and  $(543126) \Rightarrow 01|01|012|23|01|23|02$

$\mathcal{K}_{01,4}(01|23|023|01|23|23|12, \infty, 5, 6) \Rightarrow 01|23|023|12|23|23|13, 01|23|023|12|03|23|13, 01|23|023|12|23|03|23|13$  (Case 1).

$\mathcal{K}_{01,5}(01|23|023|01|23|23|12, \infty, 6) \Rightarrow 01|23|023|01|02|23|12, 01|23|023|01|02|02|12$  (Case 1).

$\mathcal{K}_{01,6}(01|23|023|01|23|23|12, \infty) \Rightarrow 01|23|023|01|23|02|12$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|012|23|01|01|03$

$\mathcal{K}_{23,5}(01|23|023|02|02|02|03, \infty, 2, 4, 6) \Rightarrow 01|23|023|02|23|02|03, 01|02|023|02|23|02|03, 01|23|023|23|23|03, 01|23|023|02|23|23|03$  (Case 1).

$\mathcal{K}_{23,6}(01|23|023|02|02|02|03, \infty, 2, 4) \Rightarrow 01|23|023|02|02|23|03, 01|02|023|02|02|23|03, 01|23|023|23|02|23|03$  (Case 1).

$\mathcal{K}_{23,2}(01|23|023|02|02|02|03, \infty) \Rightarrow 01|02|023|02|02|02|03$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|012|02|02|02|12$

$\mathcal{K}_{13,5}(01|23|023|02|03|03|03, \infty, 6, 7) \Rightarrow 01|23|023|02|23|03|03, 01|23|023|02|23|23|03, 01|23|023|02|23|03|03$  (Case 1).

$\mathcal{K}_{13,6}(01|23|023|02|03|03|03, \infty, 7) \Rightarrow 01|23|023|02|03|23|03, 01|23|023|02|03|23|23$  (Case 1).

$\mathcal{K}_{13,7}(01|23|023|02|03|03|03, \infty) \Rightarrow 01|23|023|02|03|03|23$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|012|02|12|12|12$

$\mathcal{K}_{01,4}(01|23|023|02|13|12|23, 5, 6) \Rightarrow 01|23|023|12|03|12|23, 01|23|023|12|13|02|23$  (Case 1).

$\mathcal{K}_{01,5}(01|23|023|02|13|12|23, 6) \Rightarrow 01|23|023|02|03|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|02|12|13|23, (213456) \Rightarrow 01|23|012|02|13|03|01, (213546) \Rightarrow 01|23|012|02|03|13|01, (312465) \Rightarrow 01|02|012|23|13|01|03, (312564) \Rightarrow 01|02|012|23|01|13|03, (312645) \Rightarrow 01|02|012|23|03|01|13, (312654) \Rightarrow 01|02|012|23|01|03|13, (321465) \Rightarrow 01|02|012|13|23|02|03, (321564) \Rightarrow 01|02|012|13|02|23|03, (321645) \Rightarrow 01|02|012|13|03|02|23$  and  $(321654) \Rightarrow 01|02|012|13|02|03|23$

$\mathcal{K}_{13,5}(01|23|023|02|23|23|23, \infty, 6, 7) \Rightarrow 01|23|023|02|03|23|23, 01|23|023|02|03|03|23, 01|23|023|02|03|23|23$  (Case 1).

$\mathcal{K}_{13,6}(01|23|023|02|23|23|23, \infty, 7) \Rightarrow 01|23|023|02|23|03|23, 01|23|023|02|23|03|03$  (Case 1).

$\mathcal{K}_{13,7}(01|23|023|02|23|23|23, \infty) \Rightarrow 01|23|023|02|23|23|03$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|012|02|01|01|01$

$\mathcal{K}_{01,4}(01|23|023|12|13|12|23, 5, 6) \Rightarrow 01|23|023|02|03|12|23, 01|23|023|02|13|02|23$  (Case 1).

$\mathcal{K}_{01,5}(01|23|023|12|13|12|23, 6) \Rightarrow 01|23|023|12|03|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|12|12|13|23, (124356) \Rightarrow 01|23|023|12|13|13|23, (134256) \Rightarrow 01|02|123|23|03|03|23, (213456) \Rightarrow 01|23|012|03|13|03|01, (213546) \Rightarrow 01|23|012|03|03|13|01, (214356) \Rightarrow 01|23|012|03|13|13|01, (234156) \Rightarrow 01|02|123|13|03|03|13, (451236) \Rightarrow 01|02|123|01|03|12|12, (451326) \Rightarrow 01|01|023|12|13|02|02, (452136) \Rightarrow 01|02|123|02|03|12|12, (541236) \Rightarrow 01|02|123|01|12|03|12, (541326) \Rightarrow 01|01|023|12|02|13|02$  and  $(542136) \Rightarrow 01|02|123|02|12|03|12$

$\mathcal{K}_{02,5}(01|23|023|12|23|23|23, \infty, 2, 6, 7) \Rightarrow 01|23|023|12|02|23|23, 01|02|023|12|02|23|23, 01|23|023|12|02|01|23|023|12|02|23|02$  (Case 1).

$\mathcal{K}_{02,6}(01|23|023|12|23|23|23, \infty, 2, 7) \Rightarrow 01|23|023|12|23|02|23, 01|02|023|12|23|02|23, 01|23|023|12|23|02|23$  (Case 1).

$\mathcal{K}_{02,1}(01|23|023|12|23|23|23, \infty) \Rightarrow 01|02|023|12|02|02|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|012|03|01|01|01, (451236) \Rightarrow 01|02|023|02|13|02|02, (452136) \Rightarrow 01|02|013|01|23|01|01, (453126) \Rightarrow 01|01|012|03|23|01|01, (541236) \Rightarrow 01|02|023|02|02|13|02, (542136) \Rightarrow 01|02|013|01|01|23|01$  and  $(543126) \Rightarrow 01|01|012|03|01|23|01$

$\mathcal{K}_{12,5}(01|23|023|23|01|23|02, 2, 4, 6, 7) \Rightarrow 01|02|023|23|13|23|02, 01|23|023|02|13|23|02, 01|23|023|23|12|03|01|23|023|23|12|23|23$  (Case 1).

$\mathcal{K}_{12,4}(01|23|023|23|01|23|02, 2, 6, 7) \Rightarrow 01|02|023|02|01|23|02, 01|23|023|02|01|02|02, 01|23|023|02|01|23|02$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|23|023|23|01|02|23, (123546) \Rightarrow 01|23|023|23|23|01|02, (123564) \Rightarrow 01|23|023|23|02|01|23, (213456) \Rightarrow 01|23|012|01|23|01|02, (213465) \Rightarrow 01|23|012|01|23|02|01, (213546) \Rightarrow 01|23|012|01|01|23|02$  and  $(213564) \Rightarrow 01|23|012|01|02|23|01$

$\mathcal{K}_{12,5}(01|23|023|23|01|23|12, \infty, 3, 4, 6, 7) \Rightarrow 01|23|023|23|02|23|13, 01|23|012|23|03|23|12, 01|23|023|12|03|23|12, 01|23|023|23|02|13|13, 01|23|023|23|02|23|23$  (Case 1).

$\mathcal{K}_{12,4}(01|23|023|23|01|23|12, \infty, 3, 6, 7) \Rightarrow 01|23|023|12|01|23|12, 01|23|012|02|01|23|02, 01|23|023|12|01|13|01|23|023|12|01|23|23$  (Case 1).

$\mathcal{K}_{12,3}(01|23|023|23|01|23|12, \infty, 6, 7) \Rightarrow 01|23|012|23|01|23|02, 01|23|012|23|01|02|02, 01|23|012|23|01|23|02$  (Case 1).

$\mathcal{K}_{12,2}(01|23|023|23|01|23|12, \infty) \Rightarrow 01|02|123|23|01|23|02$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|23|023|23|01|12|23, (123546) \Rightarrow 01|23|023|23|23|01|12, (123564) \Rightarrow 01|23|023|23|12|01|23, (213456) \Rightarrow 01|23|012|01|23|01|03, (213465) \Rightarrow 01|23|012|01|23|03|01, (213546) \Rightarrow 01|23|012|01|01|23|03$  and  $(213564) \Rightarrow 01|23|012|01|03|23|01$

$\mathcal{K}_{12,5}(01|23|023|23|01|23|23, 2, 6, 7) \Rightarrow 01|02|023|23|13|23|23, 01|23|023|23|12|03|23, 01|23|023|23|12|23|01|23|023|23|12|23|01|23|02$  (Case 1).



$\mathcal{K}_{12,4}(01|23|023|23|01|23|23, 2, 6, 7) \Rightarrow 01|02|023|02|01|23|23, 01|23|023|02|01|02|23, 01|23|023|02|01|23|0$   
(Case 1).

$\mathcal{K}_{12,2}(01|23|023|23|01|23|23, 1, 6, 7) \Rightarrow 01|23|023|02|13|02|02, 01|02|023|23|01|02|23, 01|02|023|23|01|23|0$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|23|23|01|23, (213456) \Rightarrow 01|23|012|01|23|01|01$   
and  $(213546) \Rightarrow 01|23|012|01|01|23|01$

$\mathcal{K}_{12,5}(01|23|023|23|02|02|02, 4, 6, 7) \Rightarrow 01|23|023|02|23|02|02, 01|23|023|23|23|23|02, 01|23|023|23|23|02|2$   
(Case 1).

$\mathcal{K}_{12,6}(01|23|023|23|02|02|02, 4, 7) \Rightarrow 01|23|023|02|02|23|02, 01|23|023|23|02|23|23$  (Case 1).

$\mathcal{K}_{12,4}(01|23|023|23|02|02|02, 7) \Rightarrow 01|23|023|02|02|02|23$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|012|01|02|02|02$

$\mathcal{K}_{23,5}(01|23|023|23|02|02|03, \infty, 2, 4, 6) \Rightarrow 01|23|023|23|23|02|03, 01|02|023|23|23|02|03, 01|23|023|02|23|0$   
 $01|23|023|23|23|02$  (Case 1).

$\mathcal{K}_{23,6}(01|23|023|23|02|02|03, \infty, 2, 4) \Rightarrow 01|23|023|23|02|23|03, 01|02|023|23|02|23|03, 01|23|023|02|02|23|$   
(Case 1).

$\mathcal{K}_{23,2}(01|23|023|23|02|02|03, \infty) \Rightarrow 01|02|023|23|02|02|03$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|012|01|02|02|12, (312456) \Rightarrow 01|01|012|23|02|02|12$   
and  $(345126) \Rightarrow 01|01|012|03|12|12|02$

$\mathcal{K}_{03,2}(01|23|023|23|02|02|13, 1, 5, 6) \Rightarrow 01|23|023|02|23|23|01, 01|02|023|23|23|02|13, 01|02|023|23|02|23|1$   
(Case 1).

$\mathcal{K}_{03,5}(01|23|023|23|02|02|13, 1, 6) \Rightarrow 01|02|023|02|02|23|01, 01|23|023|23|23|23|12$  (Case 1).

$\mathcal{K}_{03,1}(01|23|023|23|02|02|13, 6) \Rightarrow 01|02|023|02|23|02|01$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|012|01|02|02|13$

$\mathcal{K}_{12,5}(01|23|023|23|02|02|23, 4, 6, 7) \Rightarrow 01|23|023|02|23|02|23, 01|23|023|23|23|23|23, 01|23|023|23|23|02|0$   
(Case 1).

$\mathcal{K}_{12,6}(01|23|023|23|02|02|23, 4, 7) \Rightarrow 01|23|023|02|02|23|23, 01|23|023|23|02|23|02$  (Case 1).

$\mathcal{K}_{12,4}(01|23|023|23|02|02|23, 7) \Rightarrow 01|23|023|02|02|02|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|012|01|02|02|01$

$\mathcal{K}_{02,4}(01|23|023|23|12|02|23, 3, 5, 7) \Rightarrow 01|23|012|02|02|12|23, 01|23|023|12|23|02|23, 01|23|023|12|12|02|1$   
(Case 1).

$\mathcal{K}_{02,5}(01|23|023|23|12|02|23, 3, 7) \Rightarrow 01|23|012|23|23|02|23, 01|23|023|23|23|02|12$  (Case 1).

$\mathcal{K}_{02,3}(01|23|023|23|12|02|23, 7) \Rightarrow 01|23|012|23|02|12|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|23|02|12|23, (213456) \Rightarrow 01|23|012|01|03|02|01,$   
 $(213546) \Rightarrow 01|23|012|01|02|03|01, (451623) \Rightarrow 01|02|012|01|23|01|03, (451632) \Rightarrow 01|01|012|02|23|01|03,$   
 $(452613) \Rightarrow 01|02|012|02|13|02|03, (461523) \Rightarrow 01|02|012|01|23|03|01, (461532) \Rightarrow 01|01|012|02|23|03|01,$   
 $(462513) \Rightarrow 01|02|012|02|13|03|02, (541623) \Rightarrow 01|02|012|01|01|23|03, (541632) \Rightarrow 01|01|012|02|01|23|03,$   
 $(542613) \Rightarrow 01|02|012|02|02|13|03, (561423) \Rightarrow 01|02|012|01|03|23|01, (561432) \Rightarrow 01|01|012|02|03|23|01$   
and  $(562413) \Rightarrow 01|02|012|02|03|13|02$

$\mathcal{K}_{01,\infty}(01|01|023|01|02|02|13, 1, 2, 4) \Rightarrow 01|02|123|02|12|12|03, 01|02|123|01|12|12|03, 01|01|023|12|02|02|$   
(Case 1).

$\mathcal{K}_{13,\infty}(01|01|023|02|02|02|12, 1, 2, 7) \Rightarrow 01|02|123|12|12|12|01, 01|02|123|12|12|12|02, 01|01|023|02|02|02|$   
(Case 1).

$\mathcal{K}_{13,\infty}(01|01|023|02|02|02|23, 1, 2, 7) \Rightarrow 01|02|123|12|12|12|13, 01|02|123|12|12|12|23, 01|01|023|02|02|02|$   
(Case 1).

$\mathcal{K}_{01,\infty}(01|01|023|02|03|03|12, 1, 2, 4) \Rightarrow 01|02|123|23|12|12|03, 01|02|123|13|12|12|03, 01|01|023|23|02|02|$   
(Case 1).

$\mathcal{K}_{13,\infty}(01|01|023|23|02|02|02, 5, 6, 7) \Rightarrow 01|01|023|23|02|03|03, 01|01|023|23|02|03|02, 01|01|023|23|02|02|$   
(Case 1).

$\mathcal{K}_{03,\infty}(01|01|023|23|02|02|12, 5, 6, 7) \Rightarrow 01|01|023|23|02|03|13, 01|01|023|23|02|03|12, 01|01|023|23|02|02|$   
(Case 1).

$\mathcal{K}_{01,\infty}(01|02|012|12|12|12|12, 1, 2, 3) \Rightarrow 01|23|023|02|02|02|02, 01|23|012|02|02|02|02, 01|02|123|12|12|12|$   
(Case 1).

$\mathcal{K}_{01,\infty}(01|02|013|02|03|03|02, 1, 5, 6) \Rightarrow 01|02|013|02|01|01|02, 01|02|013|02|01|03|02, 01|02|013|02|03|01|$   
(Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|023|01|03|03|01$ ,  $(312456) \Rightarrow 01|01|023|02|03|03|01$ ,  
 $(435126) \Rightarrow 01|01|012|03|02|03|03$  and  $(534126) \Rightarrow 01|01|012|03|03|02|03$

$\mathcal{K}_{01,\infty}(01|02|013|12|23|12|12, 1, 2, 5) \Rightarrow 01|23|012|03|13|03|03, 01|23|012|03|23|03|03, 01|02|013|12|02|12|$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|12|23|12$ ,  $(213456) \Rightarrow 01|02|023|12|13|12|12$   
and  $(213546) \Rightarrow 01|02|023|12|12|13|12$

$\mathcal{K}_{01,\infty}(01|02|023|12|23|12|12, 1, 2, 5) \Rightarrow 01|23|023|12|02|12|12, 01|23|023|12|23|12|12, 01|02|023|12|02|12|$   
(Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|12|23|12$ ,  $(213456) \Rightarrow 01|02|013|12|13|12|12$   
and  $(213546) \Rightarrow 01|02|013|12|12|13|12$

$\mathcal{K}_{01,\infty}(01|02|123|02|23|23|02, 1, 5, 6) \Rightarrow 01|02|123|02|12|12|02, 01|02|123|02|12|23|02, 01|02|123|02|23|12|$   
(Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|123|01|13|13|01$ ,  $(312456) \Rightarrow 01|01|023|12|03|03|01$ ,  
 $(435126) \Rightarrow 01|01|012|03|23|03|03$  and  $(534126) \Rightarrow 01|01|012|03|03|23|03$

$\mathcal{K}_{23,\infty}(01|23|012|23|03|13|23, 3, 5, 6) \Rightarrow 01|23|012|23|02|12|23, 01|23|012|23|02|13|23, 01|23|012|23|03|12|$   
(Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|23|023|01|12|13|01$



01|02|012|12|13|03|23, 01|02|012|12|03|23|13, 01|02|012|12|23|03|13, 01|02|012|12|12|02|02, 01|02|012|12|02|01  
 01|02|012|02|12|12|02, 01|02|012|12|12|01|01, 01|02|012|12|01|12|01, 01|02|012|01|12|12|01, 01|02|012|12|12|01  
 01|02|012|02|02|23|12, 01|02|012|02|23|02|12, 01|02|012|12|12|12|13, 01|02|012|01|01|13|12, 01|02|012|01|13|01  
 01|01|012|02|12|13|01, 01|01|012|02|13|12|01, 01|02|012|12|13|01|02, 01|02|012|12|01|13|02, 01|02|012|12|23|01  
 01|02|012|12|02|23|01, 01|01|012|02|12|23|12, 01|01|012|02|23|12|12, 01|02|012|12|13|02|02, 01|02|012|12|02|01  
 01|02|012|12|23|01|01, 01|02|012|12|01|23|01, 01|02|012|12|01|01|23, 01|02|012|12|02|02|13, 01|02|012|13|01|01  
 01|02|012|23|02|02|13, 01|02|012|13|02|02|03, 01|02|012|23|01|01|03, 01|02|012|13|02|02|23, 01|02|012|23|01|01  
 01|02|012|13|02|13|23, 01|02|012|13|13|02|23, 01|23|012|02|13|13|02, 01|02|012|23|01|23|13, 01|02|012|23|23|01  
 01|23|023|02|13|13|02, 01|02|013|13|23|23|01, 01|02|023|23|13|13|02, 01|01|012|23|02|23|13, 01|01|012|03|12|01  
 01|01|012|23|23|02|13, 01|01|012|03|23|12|23, 01|02|012|13|12|02|03, 01|02|012|13|02|12|03, 01|02|012|23|12|01  
 01|02|012|23|01|12|03, 01|02|012|13|12|12|23, 01|02|012|23|12|12|13, 01|02|012|23|01|23|03, 01|02|012|23|23|01  
 01|02|012|13|02|13|03, 01|02|012|13|13|02|03, 01|01|023|23|23|12|02, 01|01|023|23|12|23|02, 01|01|023|02|23|01  
 01|01|023|02|23|12|23, 01|01|023|02|12|23|23, 01|02|012|23|02|02|03, 01|02|012|03|02|02|23, 01|02|012|13|01|01  
 01|02|012|03|01|01|13, 01|02|012|23|02|03|03, 01|02|012|23|03|02|03, 01|02|012|13|01|03|03, 01|02|012|13|03|01  
 01|02|012|23|02|23|03, 01|02|012|23|23|02|03, 01|02|012|13|01|13|03, 01|02|012|13|13|01|03, 01|02|013|01|03|01  
 01|02|013|01|02|03|02, 01|02|023|02|03|01|01, 01|02|023|02|01|03|01, 01|02|013|01|12|23|03, 01|02|013|01|23|01  
 01|02|023|02|12|13|03, 01|02|023|02|13|12|03, 01|02|013|01|23|02|02, 01|02|013|01|02|23|02, 01|02|023|02|13|01  
 01|02|023|02|01|13|01, 01|02|013|02|02|03|03, 01|02|013|02|03|02|03, 01|02|023|01|01|03|03, 01|02|023|01|03|01  
 01|01|023|02|01|03|03, 01|01|023|02|03|01|03, 01|02|013|02|13|12|02, 01|02|013|02|12|13|02, 01|02|023|01|23|01  
 01|02|023|01|12|23|01, 01|02|013|02|23|02|02, 01|02|013|02|02|23|02, 01|02|023|01|13|01|01, 01|02|023|01|01|01  
 01|01|023|02|13|01|01, 01|01|023|02|01|13|01, 01|02|013|02|23|03|02, 01|02|013|02|23|02|03, 01|02|013|02|03|01  
 01|02|013|02|02|23|03, 01|02|013|23|02|02|03, 01|02|013|03|02|02|23, 01|23|012|02|03|03|03, 01|02|023|01|13|01  
 01|02|023|01|13|01|03, 01|02|023|01|03|13|01, 01|02|023|01|01|13|03, 01|02|023|13|01|01|03, 01|02|023|03|01|01  
 01|23|023|02|12|12|12, 01|01|023|02|13|03|01, 01|01|023|02|13|01|03, 01|01|023|02|03|13|01, 01|01|023|02|01|01  
 01|02|023|23|12|12|12, 01|02|013|13|12|12|12, 01|02|123|12|01|01|13, 01|02|123|12|02|02|23, 01|02|023|12|12|01  
 01|02|013|12|12|12|13, 01|02|013|02|23|03|03, 01|02|013|02|03|23|03, 01|02|023|01|13|03|03, 01|02|023|01|03|01  
 01|01|023|02|13|03|03, 01|01|023|02|03|13|03, 01|01|012|02|03|13|03, 01|01|012|02|13|03|03, 01|02|123|12|13|01  
 01|02|123|12|23|02|12, 01|02|023|12|23|12|02, 01|02|013|12|13|12|01, 01|02|023|02|23|12|12, 01|02|013|01|13|01  
 01|02|123|12|01|13|12, 01|02|123|12|02|23|12, 01|02|023|12|12|23|02, 01|02|013|12|12|13|01, 01|02|023|02|12|01  
 01|02|013|01|12|13|12, 01|02|013|03|01|23|23, 01|02|013|03|23|01|23, 01|23|012|23|03|01|02, 01|23|012|23|01|01  
 01|02|023|03|02|13|13, 01|02|023|03|13|02|13, 01|23|023|01|12|23|02, 01|23|023|01|23|12|02, 01|02|013|03|12|01  
 01|02|013|03|23|12|23, 01|02|013|23|12|23|03, 01|02|013|23|23|12|03, 01|02|023|03|12|13|13, 01|02|023|03|13|01  
 01|02|023|13|12|13|03, 01|02|023|13|13|12|03, 01|01|023|23|12|13|02, 01|01|023|23|12|13|03, 01|02|123|13|12|01  
 01|02|123|23|12|03|03, 01|02|123|02|13|03|23, 01|02|123|01|23|03|13, 01|02|123|13|03|12|03, 01|02|123|23|03|01  
 01|02|123|02|03|13|23, 01|02|123|01|03|23|13, 01|02|013|12|03|02|02, 01|02|013|12|02|03|02, 01|02|023|12|03|01  
 01|02|023|12|01|03|01, 01|02|013|12|12|23|23, 01|02|013|12|23|12|23, 01|23|012|03|03|23|13, 01|23|012|03|23|01  
 01|02|023|12|12|13|13, 01|02|023|12|13|12|13, 01|23|023|12|12|01|13, 01|23|023|12|01|12|13, 01|02|123|13|03|01  
 01|02|123|13|02|03|03, 01|02|123|23|03|01|03, 01|02|123|23|01|03|03, 01|02|013|12|13|12|23, 01|02|013|12|12|01  
 01|02|012|03|03|23|13, 01|02|012|03|23|03|13, 01|23|012|03|02|03|13, 01|23|012|03|03|02|13, 01|02|023|12|23|01  
 01|02|023|12|12|23|13, 01|02|012|03|03|13|23, 01|02|012|03|13|03|23, 01|23|023|12|02|12|13, 01|23|023|12|12|01  
 01|02|123|13|03|03|23, 01|02|123|23|03|03|13, 01|02|123|03|23|03|13, 01|02|123|03|03|23|13, 01|02|123|03|13|01  
 01|02|123|03|03|13|23, 01|02|023|01|13|12|03, 01|02|013|02|23|12|03, 01|02|023|01|12|13|03, 01|02|013|02|12|01

01|02|013|12|13|23|23, 01|02|013|12|23|13|23, 01|23|012|03|02|23|13, 01|23|012|03|23|02|13, 01|02|023|12|23|  
01|02|023|12|13|23|13, 01|23|023|12|02|01|13, 01|23|023|12|01|02|13, 01|02|123|13|23|02|03, 01|02|123|13|02|  
01|02|123|23|13|01|03, 01|02|123|23|01|13|03, 01|02|013|13|01|23|23, 01|02|013|13|23|01|23, 01|23|012|23|03|  
01|23|012|23|01|03|12, 01|02|023|23|02|13|13, 01|02|023|23|13|02|13, 01|23|023|01|12|23|03, 01|23|023|01|23|  
01|02|013|13|02|03|03, 01|02|013|13|03|02|03, 01|02|023|23|01|03|03, 01|02|023|23|03|01|03, 01|23|023|02|01|  
01|23|023|02|02|01|03, 01|23|012|02|23|02|12, 01|23|012|02|02|23|12, 01|02|013|13|02|23|03, 01|02|013|13|02|  
01|02|013|13|23|02|03, 01|02|013|13|03|02|23, 01|02|023|23|01|13|03, 01|02|023|23|01|03|13, 01|02|023|23|13|  
01|02|023|23|03|01|13, 01|23|023|02|01|12|03, 01|23|023|02|12|01|03, 01|23|012|02|23|03|12, 01|23|012|02|03|  
01|02|013|13|02|23|23, 01|02|013|13|23|02|23, 01|02|023|23|01|13|13, 01|02|023|23|13|01|13, 01|02|013|13|13|  
01|02|013|13|23|13|23, 01|02|012|23|02|23|13, 01|02|012|23|23|02|13, 01|02|023|23|23|13|13, 01|02|023|23|13|  
01|02|012|13|01|13|23, 01|02|012|13|13|01|23, 01|02|013|01|13|23|02, 01|02|023|02|23|13|01, 01|02|013|01|23|  
01|02|023|02|13|23|01, 01|02|013|23|01|12|02, 01|02|013|23|01|02|12, 01|02|013|23|12|01|02, 01|02|013|23|02|  
01|02|023|13|02|12|01, 01|02|023|13|02|01|12, 01|02|023|13|12|02|01, 01|02|023|13|01|02|12, 01|02|013|23|23|  
01|02|013|23|03|23|03, 01|02|023|13|13|03|03, 01|02|023|13|03|13|03, 01|02|023|01|13|02|12, 01|02|023|01|02|  
01|02|013|02|23|01|12, 01|02|013|02|01|23|12, 01|02|023|01|13|03|02, 01|02|023|01|03|13|02, 01|02|013|02|23|  
01|02|013|02|03|23|01, 01|02|023|01|13|12|02, 01|02|023|01|12|13|02, 01|02|013|02|23|12|01, 01|02|013|02|12|  
01|02|023|01|23|12|02, 01|02|023|01|12|23|02, 01|02|013|02|13|12|01, 01|02|013|02|12|13|01, 01|02|023|02|01|  
01|02|023|02|03|01|02, 01|02|013|01|02|03|01, 01|02|013|01|03|02|01, 01|02|023|02|01|03|23, 01|02|023|02|03|  
01|02|013|01|02|03|13, 01|02|013|01|03|02|13, 01|02|023|02|01|13|23, 01|02|023|02|13|01|23, 01|02|013|01|02|  
01|02|013|01|23|02|13, 01|02|023|02|12|23|02, 01|02|023|02|23|12|02, 01|02|013|01|12|13|01, 01|02|013|01|13|  
01|02|023|02|13|03|23, 01|02|023|02|03|13|23, 01|02|013|01|23|03|13, 01|02|013|01|03|23|13, 01|02|023|03|12|  
01|02|023|03|12|23|13, 01|02|023|03|13|12|23, 01|02|023|03|23|12|13, 01|02|123|13|12|03|23, 01|02|123|13|03|  
01|02|013|03|12|23|13, 01|02|013|03|12|13|23, 01|02|013|03|23|12|13, 01|02|013|03|13|12|23, 01|02|123|23|12|  
01|02|123|23|03|12|13, 01|02|023|03|12|23|23, 01|02|023|03|23|12|23, 01|23|023|23|02|12|03, 01|23|023|23|12|  
01|02|013|03|12|13|13, 01|02|013|03|13|12|13, 01|23|012|01|02|03|12, 01|23|012|01|03|02|12, 01|02|023|03|13|  
01|02|023|03|03|13|23, 01|02|013|03|23|03|13, 01|02|013|03|03|23|13, 01|02|012|02|03|23|12, 01|23|012|02|03|  
01|02|012|01|03|13|12, 01|23|023|02|12|02|03, 01|02|013|01|12|13|03, 01|02|023|02|12|23|03, 01|02|012|02|23|  
01|23|012|02|02|03|12, 01|02|012|01|13|03|12, 01|23|023|02|02|12|03, 01|02|013|01|13|12|03, 01|02|023|02|23|  
01|02|023|12|01|03|23, 01|02|023|12|03|01|23, 01|02|013|12|02|03|13, 01|02|013|12|03|02|13, 01|02|023|12|01|  
01|02|023|12|13|01|23, 01|02|013|12|02|23|13, 01|02|013|12|23|02|13, 01|02|023|12|03|13|23, 01|02|023|12|13|  
01|02|013|12|03|23|13, 01|02|013|12|23|03|13, 01|02|013|23|12|13|03, 01|02|023|13|12|23|03, 01|02|013|23|13|  
01|02|023|13|23|12|03, 01|02|023|12|12|23|23, 01|02|023|12|23|12|23, 01|02|013|12|12|13|13, 01|02|013|12|13|  
01|02|023|01|13|02|03, 01|02|013|02|23|01|03, 01|02|023|01|02|13|03, 01|02|013|02|01|23|03, 01|02|012|03|03|  
01|02|012|03|02|03|13, 01|02|012|03|03|01|23, 01|02|012|03|01|03|23, 01|02|023|12|13|03|02, 01|02|023|12|03|  
01|02|013|12|23|03|01, 01|02|013|12|03|23|01, 01|01|012|03|23|12|13, 01|01|012|03|12|23|13, 01|02|023|12|13|  
01|02|023|12|12|13|23, 01|02|123|02|03|23|12, 01|02|123|02|23|03|12, 01|02|013|12|23|12|13, 01|02|013|12|12|  
01|02|123|01|03|13|12, 01|02|123|01|13|03|12, 01|02|023|01|13|03|12, 01|02|013|02|23|03|12, 01|02|023|01|03|  
01|02|013|02|03|23|12, 01|02|023|13|03|13|23, 01|02|023|13|13|03|23, 01|23|023|02|13|13|03, 01|02|013|23|03|  
01|02|013|23|23|03|13, 01|23|012|02|13|13|12, 01|02|012|13|23|23|12, 01|02|012|23|13|13|12, 01|02|023|01|12|  
01|02|013|02|12|13|03, 01|02|023|01|23|12|03, 01|02|013|02|13|12|03, 01|02|023|13|12|13|23, 01|02|023|13|13|  
01|02|013|23|12|23|13, 01|02|013|23|23|12|13, 01|02|123|02|03|13|12, 01|02|123|01|03|23|12, 01|02|123|02|13|  
01|02|123|01|23|03|12, 01|02|012|23|23|03|13, 01|02|012|23|03|23|13, 01|02|012|13|13|03|23, 01|02|012|13|03|

01|02|023|13|12|23|23, 01|02|023|13|23|12|23, 01|23|023|02|13|23|12, 01|23|023|02|23|13|12, 01|23|023|23|02|  
 01|23|023|23|12|02|13, 01|02|013|23|12|13|13, 01|02|013|23|13|12|13, 01|23|012|02|13|01|03, 01|23|012|02|01|  
 01|23|012|01|02|03|13, 01|23|012|01|03|02|13, 01|01|012|23|02|03|13, 01|01|012|23|03|02|13, 01|02|012|02|13|  
 01|02|012|01|23|03|13, 01|02|023|12|13|02|23, 01|02|013|12|23|01|13, 01|02|012|02|03|13|23, 01|02|012|01|03|  
 01|02|023|12|02|13|23, 01|02|013|12|01|23|13, 01|02|023|23|12|02|02, 01|02|023|23|02|12|02, 01|02|013|13|12|  
 01|02|013|13|01|12|01, 01|02|023|23|13|23|03, 01|02|023|23|23|13|03, 01|02|013|13|23|13|03, 01|02|013|13|13|  
 01|02|123|01|13|03|02, 01|02|123|01|03|13|02, 01|02|123|02|23|03|01, 01|02|123|02|03|23|01, 01|02|123|01|23|  
 01|02|123|01|02|23|02, 01|01|023|12|23|12|12, 01|01|023|12|12|23|12, 01|02|123|02|13|01|01, 01|02|123|02|01|  
 01|02|123|02|01|03|23, 01|02|123|02|03|01|23, 01|02|123|01|02|03|13, 01|02|123|01|03|02|13, 01|02|123|02|01|  
 01|02|123|02|13|01|23, 01|02|123|01|02|23|13, 01|02|123|01|23|02|13, 01|01|023|02|13|13|23, 01|23|023|02|13|  
 01|23|012|02|13|13|23, 01|02|123|02|02|03|03, 01|02|123|02|03|02|03, 01|02|123|03|02|02|03, 01|02|123|03|03|  
 01|02|123|02|03|03|03, 01|02|123|01|01|03|03, 01|02|123|01|03|01|03, 01|02|123|03|01|01|03, 01|02|123|03|03|  
 01|02|123|01|03|03|03, 01|01|023|12|01|13|13, 01|01|023|12|13|01|13, 01|02|123|02|01|01|03, 01|02|123|01|02|  
 01|01|023|12|12|12|13, 01|02|123|02|03|02|02, 01|02|123|02|02|03|02, 01|02|123|01|03|01|01, 01|02|123|01|01|  
 01|01|023|12|13|01|01, 01|01|023|12|01|13|01, 01|02|123|02|03|23|02, 01|02|123|02|23|03|02, 01|02|123|01|03|  
 01|02|123|01|13|03|01, 01|01|023|12|13|03|01, 01|01|023|12|03|13|01, 01|01|023|12|03|01|13, 01|01|023|12|01|  
 01|02|123|01|03|01|12, 01|02|023|01|13|01|12, 01|02|123|12|03|01|01, 01|02|023|12|13|01|01, 01|02|123|02|03|  
 01|02|013|02|23|02|12, 01|02|123|12|03|02|02, 01|02|013|12|23|02|02, 01|02|123|01|01|03|12, 01|02|023|01|01|  
 01|02|123|12|01|03|01, 01|02|023|12|01|13|01, 01|02|123|02|02|03|12, 01|02|013|02|02|23|12, 01|02|123|12|02|  
 01|02|013|12|02|23|02, 01|02|123|02|13|01|02, 01|02|123|02|01|13|02, 01|02|123|01|23|02|01, 01|02|123|01|02|  
 01|01|023|12|23|12|01, 01|01|023|12|12|23|01, 01|02|123|02|23|02|03, 01|02|123|02|02|23|03, 01|02|123|01|13|  
 01|02|123|01|01|13|03, 01|02|023|01|13|12|01, 01|02|013|02|23|12|02, 01|02|023|01|12|13|01, 01|02|013|02|12|  
 01|02|123|03|03|23|23, 01|02|123|03|23|03|23, 01|02|123|03|03|13|13, 01|02|123|03|13|03|13, 01|01|012|23|03|  
 01|01|012|23|03|13|03, 01|02|123|12|03|02|12, 01|02|123|12|03|12|02, 01|02|023|12|13|12|02, 01|02|023|02|13|  
 01|02|123|12|03|01|12, 01|02|123|12|03|12|01, 01|02|013|12|23|12|01, 01|02|013|01|23|12|12, 01|02|123|12|02|  
 01|02|123|12|12|03|02, 01|02|023|12|12|13|02, 01|02|023|02|12|13|12, 01|02|123|12|01|03|12, 01|02|123|12|12|  
 01|02|013|12|12|23|01, 01|02|013|01|12|23|12, 01|02|123|12|01|03|23, 01|02|123|12|03|01|23, 01|02|123|12|02|  
 01|02|123|12|03|02|13, 01|02|123|12|03|03|13, 01|02|123|12|03|03|23, 01|02|123|12|01|13|23, 01|02|123|12|13|  
 01|02|123|12|02|23|13, 01|02|123|12|23|02|13, 01|02|023|03|13|13|23, 01|02|023|23|13|13|03, 01|02|013|03|23|  
 01|02|013|13|23|23|03, 01|02|123|12|23|02|02, 01|02|123|12|02|23|02, 01|02|123|02|23|02|12, 01|02|123|02|02|  
 01|02|123|12|13|01|01, 01|02|123|12|01|13|01, 01|02|123|01|13|01|12, 01|02|123|01|01|13|12, 01|02|023|01|03|  
 01|02|023|01|01|03|12, 01|02|013|02|03|02|12, 01|02|013|02|02|03|12, 01|02|123|13|02|23|23, 01|02|123|13|23|  
 01|02|123|23|01|13|13, 01|02|123|23|13|01|13, 01|02|123|13|03|13|23, 01|02|123|13|13|03|23, 01|02|123|23|03|  
 01|02|123|23|23|03|13, 01|02|012|13|03|01|23, 01|02|012|13|01|03|23, 01|02|012|23|03|02|13, 01|02|012|23|02|  
 01|02|012|03|13|01|23, 01|02|012|03|23|02|13, 01|02|012|03|01|13|23, 01|02|012|03|02|23|13, 01|02|123|23|01|  
 01|02|123|23|02|01|12, 01|01|023|02|12|12|23, 01|02|123|13|02|01|12, 01|02|123|13|01|02|12, 01|23|012|01|02|  
 01|23|012|01|23|02|13, 01|02|012|01|23|23|13, 01|02|012|13|23|23|01, 01|23|023|23|02|01|13, 01|23|023|23|01|  
 01|02|012|02|13|13|23, 01|02|012|23|13|13|02, 01|23|012|02|02|23|23, 01|23|012|02|23|02|23, 01|02|012|02|23|  
 01|02|012|23|23|23|02, 01|23|012|02|23|23|02, 01|23|023|02|02|01|01, 01|23|023|02|01|02|01, 01|02|012|01|13|  
 01|02|012|13|13|13|01, 01|23|023|02|01|01|02, 01|23|012|02|03|23|23, 01|23|012|02|23|03|23, 01|23|012|02|23|  
 01|23|023|02|12|01|01, 01|23|023|02|01|12|01, 01|23|023|02|01|01|12, 01|02|023|12|01|01|23, 01|02|013|12|02|  
 01|23|012|03|02|03|23, 01|23|012|03|03|02|23, 01|23|023|12|02|12|01, 01|23|023|12|12|02|01, 01|01|023|23|12|

01|01|023|23|02|12|12, 01|02|023|01|23|12|12, 01|02|013|02|13|12|12, 01|02|023|12|03|01|12, 01|02|013|12|03|01|12, 01|02|023|01|12|23|12, 01|02|013|02|12|13|12, 01|02|023|12|01|03|12, 01|02|013|12|02|03|12, 01|02|023|01|12|03|01|12, 01|02|013|02|12|12|03, 01|23|012|23|01|03|23, 01|23|012|23|03|01|23, 01|23|023|01|23|01|12|23|01, 01|01|023|01|23|23|12, 01|23|023|02|01|23|03, 01|23|023|02|23|01|03, 01|23|012|02|23|01|12|02|01|23|12, 01|01|012|02|23|12|23, 01|01|012|02|12|23|23, 01|23|023|02|12|23|23, 01|23|023|02|23|01|12|02|01|03|01, 01|23|012|02|01|03|01, 01|23|023|02|23|12|12, 01|23|023|02|12|23|12, 01|23|012|02|01|03|01, 01|01|012|23|02|03|03, 01|01|012|23|03|02|03, 01|23|023|12|01|23|13, 01|23|023|12|23|01|13, 01|23|012|03|01|23|13, 01|23|023|12|13|23|23, 01|23|023|12|23|13|23, 01|23|012|03|13|01|13, 01|01|012|23|03|01|13, 01|01|012|23|01|03|13, 01|02|013|01|23|12|01, 01|02|013|01|23|01|02|023|02|13|12|02, 01|02|023|02|13|02|12, 01|02|013|01|12|23|01, 01|02|013|01|01|23|12, 01|02|023|02|12|01|02|023|02|02|13|12, 01|23|023|23|01|02|03, 01|23|023|23|02|01|03, 01|23|012|01|23|02|12 *or* 01|23|012|01|02|23|12.

$\mathcal{K}_{02,4}(01|01|012|02|01|03|03, 6, 7) \Rightarrow 01|01|012|03|01|02|03, 01|01|012|03|01|03|02$  (Case 1).

$\mathcal{K}_{02,6}(01|01|012|02|01|03|03, 7) \Rightarrow 01|01|012|02|01|02|02$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|02|03|01|03$  and  $(123645) \Rightarrow 01|01|012|02|03|03|01$

$\mathcal{K}_{03,7}(01|01|012|23|01|01|03, 2, 4, 5, 6) \Rightarrow 01|02|012|23|01|01|23, 01|01|012|03|01|01|23, 01|01|012|23|02|01|01|012|23|01|02|23$  (Case 1 and 2).

$\mathcal{K}_{03,4}(01|01|012|23|01|01|03, 2, 5, 6) \Rightarrow 01|02|012|13|01|01|13, 01|01|012|03|12|01|03, 01|01|012|03|01|12|01$  (Case 1).

$\mathcal{K}_{03,5}(01|01|023|12|03|13|13, 6, 7) \Rightarrow 01|01|023|12|02|12|13, 01|01|023|12|02|13|12$  (Case 1 and 2).

$\mathcal{K}_{03,6}(01|01|023|12|03|13|13, 7) \Rightarrow 01|01|023|12|03|12|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|12|13|03|13, (145236) \Rightarrow 01|02|023|12|01|13|12, (154236) \Rightarrow 01|02|023|12|13|01|12, (164523) \Rightarrow 01|02|123|02|03|12|01, (165423) \Rightarrow 01|02|123|02|12|03|01, (245136) \Rightarrow 01|02|013|12|02|23|12, (254136) \Rightarrow 01|02|013|12|23|02|12, (264513) \Rightarrow 01|02|123|01|03|12|02, (265413) \Rightarrow 01|02|123|01|12|03|02, (465123) \Rightarrow 01|02|013|02|12|23|12, (465213) \Rightarrow 01|02|023|01|12|13|12, (564123) \Rightarrow 01|02|013|02|23|12|12$  and  $(564213) \Rightarrow 01|02|023|01|13|12|12$

$\mathcal{K}_{03,7}(01|01|023|23|01|02|02, 2, 4, 5, 6) \Rightarrow 01|02|123|23|01|13|23, 01|01|023|02|01|02|23, 01|01|023|23|12|03|01|01|023|23|01|23|23$  (Case 1 and 2).

$\mathcal{K}_{03,4}(01|01|023|23|01|02|02, 2, 5, 6) \Rightarrow 01|02|123|13|01|13|13, 01|01|023|02|13|02|02, 01|01|023|02|01|23|01$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|23|02|01|02$

$\mathcal{K}_{02,4}(01|01|023|23|01|02|12, 2, 3, 5, 7) \Rightarrow 01|02|023|13|01|03|13, 01|01|012|02|01|12|02, 01|01|023|12|03|02|01|01|023|12|01|02|23$  (Case 1 and 2).

$\mathcal{K}_{02,7}(01|01|023|23|01|02|12, 2, 3, 5) \Rightarrow 01|02|023|23|01|03|23, 01|01|012|23|01|02|23, 01|01|023|23|02|03|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|23|02|01|12$

$\mathcal{K}_{02,4}(01|01|023|23|01|12|02, \infty, 1, 2, 7) \Rightarrow 01|01|023|02|01|12|02, 01|02|123|23|02|03|23, 01|02|123|13|01|02|01|01|023|02|01|12|23$  (Case 1 and 2).

$\mathcal{K}_{02,7}(01|01|023|23|01|12|02, \infty, 1, 2) \Rightarrow 01|01|023|23|01|12|23, 01|02|123|13|02|03|13, 01|02|123|23|01|03|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|23|12|01|02$

$\mathcal{K}_{03,5}(01|01|023|23|01|12|12, \infty, 4, 6, 7) \Rightarrow 01|01|023|23|02|13|13, 01|01|023|12|03|12|12, 01|01|023|23|02|13|13$  (Case 1 and 2).

$\mathcal{K}_{03,6}(01|01|023|23|01|12|12, \infty, 4, 7) \Rightarrow 01|01|023|23|01|23|12, 01|01|023|12|01|23|12, 01|01|023|23|01|23|12$  (Case 1).

$\mathcal{K}_{03,4}(01|01|023|23|01|12|12, \infty, 7) \Rightarrow 01|01|023|12|01|12|12, 01|01|023|12|01|12|23$  (Case 1 and 2).

$\mathcal{K}_{03,3}(01|01|023|23|01|12|12, \infty) \Rightarrow 01|01|012|23|01|02|02$  (Case 1).

$\mathcal{K}_{03,7}(01|01|023|23|01|12|12, \infty) \Rightarrow 01|01|023|23|01|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|023|23|12|01|12$

$\mathcal{K}_{01,4}(01|02|012|01|01|01|02, \infty, 1, 5, 6) \Rightarrow 01|02|012|03|01|01|02, 01|02|023|01|03|03|02, 01|02|012|03|03|02, 01|02|012|03|01|03|02$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|012|01|01|01|02, \infty, 5, 6) \Rightarrow 01|02|023|03|03|03|02, 01|02|023|03|01|03|02, 01|02|023|03|03|01|02$  (Case 1).

Free by vertex permutation:  $(142365) \Rightarrow 01|01|012|01|02|02|01$  and  $(213456) \Rightarrow 01|02|012|02|02|02|01$

$\mathcal{K}_{01,4}(01|02|012|01|02|02|12, 1, 2, 5, 6) \Rightarrow 01|23|023|01|23|23|02, 01|23|012|03|12|12|02, 01|02|012|13|23|02, 01|02|012|13|02|23|12$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|012|01|02|02|12, 2, 5, 6) \Rightarrow 01|02|123|13|23|23|12, 01|23|023|02|13|23|03, 01|23|023|02|23|13|02$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|02|01|01|12$

$\mathcal{K}_{02,3}(01|02|012|01|03|01|02, 5, 7) \Rightarrow 01|02|013|01|02|01|02, 01|02|013|01|03|01|03$  (Case 1).

$\mathcal{K}_{02,5}(01|02|012|01|03|01|02, 7) \Rightarrow 01|02|012|01|02|01|03$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|01|03|02, (213456) \Rightarrow 01|02|012|02|03|02|01$  and  $(213546) \Rightarrow 01|02|012|02|02|03|01$

$\mathcal{K}_{01,4}(01|02|012|01|03|23|12, \infty, 1, 2, 3, 6) \Rightarrow 01|02|012|13|03|23|12, 01|23|023|01|12|13|03, 01|23|012|03|13|23|02, 01|02|123|13|03|23|12, 01|02|012|13|03|02|12$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|012|01|03|23|12, \infty) \Rightarrow 01|23|023|02|12|13|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|23|03|12, (213456) \Rightarrow 01|02|012|02|03|13|12$  and  $(213546) \Rightarrow 01|02|012|02|13|03|12$

$\mathcal{K}_{01,4}(01|02|012|01|12|12|02, \infty, 1, 5, 6) \Rightarrow 01|02|012|03|12|12|02, 01|02|023|01|23|23|02, 01|02|012|03|23|13|02, 01|02|012|03|12|23|02$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|012|01|12|12|02, \infty) \Rightarrow 01|02|023|03|23|23|02$  (Case 1).

$\mathcal{K}_{01,5}(01|02|012|01|12|12|02, \infty) \Rightarrow 01|02|012|01|23|12|02$  (Case 2).

$\mathcal{K}_{01,6}(01|02|012|01|12|12|02, \infty) \Rightarrow 01|02|012|01|12|23|02$  (Case 2).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|02|12|12|01$



$\mathcal{K}_{02,3}(01|02|012|01|13|01|02, 5, 7) \Rightarrow 01|02|013|01|12|01|02, 01|02|013|01|13|01|03$  (Case 1).  
 $\mathcal{K}_{02,5}(01|02|012|01|13|01|02, 7) \Rightarrow 01|02|012|01|12|01|03$  (Case 2).  
 Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|01|13|02, (213456) \Rightarrow 01|02|012|02|23|02|01,$   
 $(213546) \Rightarrow 01|02|012|02|02|23|01$  and  $(314652) \Rightarrow 01|01|012|02|02|02|23$

$\mathcal{K}_{02,3}(01|02|012|01|13|02|02, \infty, 2, 5, 6, 7) \Rightarrow 01|02|013|01|13|02|02, 01|02|012|01|12|03|03,$   
 $01|02|013|01|12|02|02, 01|02|013|01|13|03|02, 01|02|013|01|13|02|03$  (Case 1 and 2).  
 $\mathcal{K}_{02,2}(01|02|012|01|13|02|02, \infty) \Rightarrow 01|02|013|01|12|03|03$  (Case 1).  
 $\mathcal{K}_{02,5}(01|02|012|01|13|02|02, 6, 7) \Rightarrow 01|02|012|01|12|03|02, 01|02|012|01|12|02|03$  (Case 2).  
 Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|02|13|02, (213456) \Rightarrow 01|02|012|02|23|01|01,$   
 $(213546) \Rightarrow 01|02|012|02|01|23|01, (416523) \Rightarrow 01|01|012|01|02|23|02$  and  $(516423) \Rightarrow 01|01|012|01|23|02|02$

$\mathcal{K}_{02,3}(01|02|012|02|01|01|02, 4, 7) \Rightarrow 01|02|013|03|01|01|02, 01|02|013|02|01|01|03$  (Case 1  
 and 2).  
 $\mathcal{K}_{02,4}(01|02|012|02|01|01|02, 7) \Rightarrow 01|02|012|03|01|01|03$  (Case 1).  
 Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|01|02|02|01$  and  $(412563) \Rightarrow 01|01|012|01|02|02|02$

$\mathcal{K}_{13,5}(01|02|012|02|01|01|23, 6, 7) \Rightarrow 01|02|012|02|12|12|23, 01|02|012|02|12|01|03$  (Case 2).  
 $\mathcal{K}_{13,6}(01|02|012|02|01|01|23, 7) \Rightarrow 01|02|012|02|01|12|03$  (Case 2).  
 Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|01|02|02|13$

$\mathcal{K}_{03,3}(01|02|012|02|01|23|03, \infty, 1, 5, 6, 7) \Rightarrow 01|02|023|02|01|23|03, 01|02|012|02|03|12|01,$   
 $01|02|023|02|03|23|03, 01|02|023|02|01|12|03, 01|02|023|02|01|23|01$  (Case 1 and 2).  
 $\mathcal{K}_{03,6}(01|02|012|02|01|23|03, \infty, 5) \Rightarrow 01|02|012|02|01|12|03, 01|02|012|02|03|12|03$  (Case  
 2).  
 $\mathcal{K}_{03,1}(01|02|012|02|01|23|03, \infty) \Rightarrow 01|02|023|02|03|12|01$  (Case 1).  
 Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|23|01|03, (123645) \Rightarrow 01|02|012|02|23|03|01,$   
 $(123654) \Rightarrow 01|02|012|02|03|23|01, (213456) \Rightarrow 01|02|012|01|02|13|03, (213546) \Rightarrow 01|02|012|01|13|02|03,$   
 $(213645) \Rightarrow 01|02|012|01|13|03|02$  and  $(213654) \Rightarrow 01|02|012|01|03|13|02$

$\mathcal{K}_{02,4}(01|02|012|02|02|02|02, 2, 5, 6, 7) \Rightarrow 01|02|013|02|03|03|03, 01|02|012|03|03|02|02, 01|02|012|03|02|03$   
 $01|02|012|03|02|02|03$  (Case 1 and 2).  
 $\mathcal{K}_{02,2}(01|02|012|02|02|02|02, 5, 6, 7) \Rightarrow 01|02|013|03|02|03|03, 01|02|013|03|03|02|03, 01|02|013|03|03|03|03$   
 (Case 1).  
 Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|01|01|01|01$

$\mathcal{K}_{01,4}(01|02|012|02|02|02|03, \infty, 5, 6) \Rightarrow 01|02|012|01|02|02|03, 01|02|012|01|01|02|03, 01|02|012|01|02|01|03$   
 (Case 2).  
 $\mathcal{K}_{01,5}(01|02|012|02|02|02|03, \infty, 6) \Rightarrow 01|02|012|02|01|02|03, 01|02|012|02|01|01|03$  (Case  
 2).  
 $\mathcal{K}_{01,1}(01|02|012|02|02|02|03, \infty) \Rightarrow 01|01|012|01|01|01|03$  (Case 2).  
 $\mathcal{K}_{01,6}(01|02|012|02|02|02|03, \infty) \Rightarrow 01|02|012|02|02|01|03$  (Case 2).  
 Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|01|01|01|03$

$\mathcal{K}_{03,2}(01|02|012|02|02|03|03, \infty, 5, 6) \Rightarrow 01|02|012|12|12|13|13, 01|02|012|12|02|13|13, 01|02|012|12|12|03|03$  (Case 2).

$\mathcal{K}_{03,5}(01|02|012|02|02|03|03, \infty, 6) \Rightarrow 01|02|012|02|12|03|03, 01|02|012|02|12|13|03$  (Case 2).

$\mathcal{K}_{03,6}(01|02|012|02|02|03|03, \infty) \Rightarrow 01|02|012|02|02|13|03$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|03|02|03, (213456) \Rightarrow 01|02|012|01|01|03|03$  and  $(213546) \Rightarrow 01|02|012|01|03|01|03$

$\mathcal{K}_{02,3}(01|02|012|02|03|02|12, 5, 7) \Rightarrow 01|02|023|02|01|02|12, 01|02|023|02|03|02|23$  (Case 1).

$\mathcal{K}_{02,5}(01|02|012|02|03|02|12, 7) \Rightarrow 01|02|012|02|01|02|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|02|03|12, (213456) \Rightarrow 01|02|012|01|03|01|12$  and  $(213546) \Rightarrow 01|02|012|01|01|03|12$

$\mathcal{K}_{13,5}(01|02|012|02|12|12|03, 6, 7) \Rightarrow 01|02|012|02|01|01|03, 01|02|012|02|01|12|23$  (Case 2).

$\mathcal{K}_{13,6}(01|02|012|02|12|12|03, 7) \Rightarrow 01|02|012|02|12|01|23$  (Case 2).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|01|12|12|03, (436125) \Rightarrow 01|01|012|02|12|23|02, (536124) \Rightarrow 01|01|012|02|23|12|02, (634125) \Rightarrow 01|01|012|02|02|23|12$  and  $(635124) \Rightarrow 01|01|012|02|23|02|12$

$\mathcal{K}_{01,2}(01|02|012|02|12|12|12, 3, 4) \Rightarrow 01|23|023|12|02|02|02, 01|23|012|23|02|02|02$  (Case 1).

$\mathcal{K}_{01,3}(01|02|012|02|12|12|12, 4) \Rightarrow 01|02|123|23|12|12|12$  (Case 2).

Free by vertex permutation:  $(126345) \Rightarrow 01|02|012|12|12|12|02, (136245) \Rightarrow 01|02|012|12|02|02|12, (213456) \Rightarrow 01|02|012|01|12|12|12, (216345) \Rightarrow 01|02|012|12|12|12|01, (236145) \Rightarrow 01|02|012|12|01|01|12, (312456) \Rightarrow 01|01|012|02|12|12|12, (314256) \Rightarrow 01|02|012|12|01|02|02, (315246) \Rightarrow 01|02|012|12|02|01|02, (324156) \Rightarrow 01|02|012|12|02|01|01, (325146) \Rightarrow 01|02|012|12|01|02|01, (413256) \Rightarrow 01|02|012|01|12|02|02, (423156) \Rightarrow 01|02|012|02|12|01|01, (513246) \Rightarrow 01|02|012|01|02|12|02, (523146) \Rightarrow 01|02|012|02|01|12|01, (612345) \Rightarrow 01|01|012|02|02|02|12, (614235) \Rightarrow 01|02|012|02|01|02|12, (615234) \Rightarrow 01|02|012|02|02|01|12, (624135) \Rightarrow 01|02|012|01|02|01|12$  and  $(625134) \Rightarrow 01|02|012|01|01|02|12$

$\mathcal{K}_{01,3}(01|02|012|02|23|03|02, 5, 6) \Rightarrow 01|02|023|02|12|03|02, 01|02|023|02|23|01|02$  (Case 1).

$\mathcal{K}_{01,5}(01|02|012|02|23|03|02, 6) \Rightarrow 01|02|012|02|12|01|02$  (Case 2).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|012|02|23|02|03, (123546) \Rightarrow 01|02|012|02|03|23|02, (123564) \Rightarrow 01|02|012|02|02|23|03, (213456) \Rightarrow 01|02|012|01|13|03|01, (213465) \Rightarrow 01|02|012|01|13|01|03, (213546) \Rightarrow 01|02|012|01|03|13|01, (213564) \Rightarrow 01|02|012|01|01|13|03, (312456) \Rightarrow 01|01|012|02|13|03|01, (312465) \Rightarrow 01|01|012|02|13|01|03, (312546) \Rightarrow 01|01|012|02|03|13|01$  and  $(312564) \Rightarrow 01|01|012|02|01|13|03$

$\mathcal{K}_{03,3}(01|02|012|02|23|03|03, \infty, 5, 6, 7) \Rightarrow 01|02|023|02|23|03|03, 01|02|023|02|12|03|03, 01|02|023|02|23|01|02, 01|02|023|02|23|03|01$  (Case 1).

$\mathcal{K}_{03,5}(01|02|012|02|23|03|03, \infty, 6, 7) \Rightarrow 01|02|012|02|12|03|03, 01|02|012|02|12|01|03, 01|02|012|02|12|03|01$  (Case 2).

$\mathcal{K}_{03,1}(01|02|012|02|23|03|03, \infty) \Rightarrow 01|02|023|02|12|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|03|23|03, (213456) \Rightarrow 01|02|012|01|13|03|03$  and  $(213546) \Rightarrow 01|02|012|01|03|13|03$

$\mathcal{K}_{13,7}(01|02|012|03|01|01|23, 1, 2, 5, 6) \Rightarrow 01|23|023|12|02|02|23, 01|23|012|03|01|01|02, 01|02|012|03|13|01|02, 01|02|012|03|01|13|02$  (Case 1 and 2).

$\mathcal{K}_{13,2}(01|02|012|03|01|01|23, 1, 5, 6) \Rightarrow 01|02|123|03|13|13|02, 01|23|012|03|13|01|23, 01|23|012|03|01|13|2$   
(Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|03|02|02|13$

$\mathcal{K}_{13,7}(01|02|012|03|03|23|23, \infty, 1, 2, 3, 6) \Rightarrow 01|02|012|03|03|23|02, 01|23|023|12|12|13|23,$   
 $01|23|012|03|03|23|02, 01|02|123|03|03|23|02, 01|02|012|03|03|02|02$  (Case 1 and 2).

$\mathcal{K}_{13,1}(01|02|012|03|03|23|23, \infty) \Rightarrow 01|23|023|12|12|13|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|23|03|23, (213456) \Rightarrow 01|02|012|03|03|13|13$   
and  $(213546) \Rightarrow 01|02|012|03|13|03|13$

$\mathcal{K}_{02,2}(01|02|012|03|12|12|23, 3, 7) \Rightarrow 01|23|023|12|03|03|23, 01|23|012|03|12|12|02$  (Case 1).

$\mathcal{K}_{02,3}(01|02|012|03|12|12|23, 7) \Rightarrow 01|02|123|03|12|12|02$  (Case 2).

Free by vertex permutation:  $(126453) \Rightarrow 01|02|012|23|12|12|03, (134256) \Rightarrow 01|02|012|12|13|02|23,$   
 $(135246) \Rightarrow 01|02|012|12|02|13|23, (136245) \Rightarrow 01|02|012|12|02|23|13, (136254) \Rightarrow 01|02|012|12|23|02|13,$   
 $(143256) \Rightarrow 01|02|012|13|12|02|23, (153246) \Rightarrow 01|02|012|13|02|12|23, (213456) \Rightarrow 01|02|012|03|12|12|13,$   
 $(216453) \Rightarrow 01|02|012|13|12|12|03, (234156) \Rightarrow 01|02|012|12|23|01|13, (235146) \Rightarrow 01|02|012|12|01|23|13,$   
 $(236145) \Rightarrow 01|02|012|12|01|13|23, (236154) \Rightarrow 01|02|012|12|13|01|23, (243156) \Rightarrow 01|02|012|23|12|01|13$   
and  $(253146) \Rightarrow 01|02|012|23|01|12|13$

$\mathcal{K}_{01,4}(01|02|012|12|01|01|02, \infty, 1, 5, 6) \Rightarrow 01|02|012|23|01|01|02, 01|02|023|12|03|03|02, 01|02|012|23|03|0$   
 $01|02|012|23|01|03|02$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|012|12|01|01|02, \infty, 5, 6) \Rightarrow 01|02|023|23|03|03|02, 01|02|023|23|01|03|02, 01|02|023|23|03|01|$   
(Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|12|02|02|01$

$\mathcal{K}_{12,1}(01|02|012|12|01|03|23, \infty, 5, 6) \Rightarrow 01|02|012|01|12|23|03, 01|02|012|01|01|23|03, 01|02|012|01|12|03|$   
(Case 2).

$\mathcal{K}_{12,5}(01|02|012|12|01|03|23, \infty, 6) \Rightarrow 01|02|012|12|12|03|23, 01|02|012|12|12|23|23$  (Case  
2).

$\mathcal{K}_{12,6}(01|02|012|12|01|03|23, \infty) \Rightarrow 01|02|012|12|01|23|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|03|01|23, (213456) \Rightarrow 01|02|012|12|02|03|13$   
and  $(213546) \Rightarrow 01|02|012|12|03|02|13$

$\mathcal{K}_{23,4}(01|02|012|12|03|01|02, 5, 6) \Rightarrow 01|02|012|01|23|01|02, 01|02|012|01|03|12|02$  (Case 2).

$\mathcal{K}_{23,5}(01|02|012|12|03|01|02, 6) \Rightarrow 01|02|012|12|23|12|02$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|01|03|02, (136425) \Rightarrow 01|01|012|02|03|02|12,$   
 $(136524) \Rightarrow 01|01|012|02|02|03|12, (213456) \Rightarrow 01|02|012|12|03|02|01$  and  $(213546) \Rightarrow 01|02|012|12|02|03|01$

$\mathcal{K}_{13,4}(01|02|012|12|03|13|23, \infty, 3, 5, 7) \Rightarrow 01|02|012|23|03|13|23, 01|02|023|23|03|13|23, 01|02|012|23|01|1$   
 $01|02|012|23|03|13|12$  (Case 1).

$\mathcal{K}_{13,7}(01|02|012|12|03|13|23, \infty, 3, 5) \Rightarrow 01|02|012|12|03|13|12, 01|02|023|12|03|13|12, 01|02|012|12|01|13|$   
(Case 2).

$\mathcal{K}_{13,1}(01|02|012|12|03|13|23, \infty) \Rightarrow 01|02|023|23|01|13|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|13|03|23$ ,  $(213456) \Rightarrow 01|02|012|12|03|23|13$  and  $(213546) \Rightarrow 01|02|012|12|23|03|13$

$\mathcal{K}_{01,4}(01|02|012|12|12|12|23, 5, 6) \Rightarrow 01|02|012|02|02|12|23$ ,  $01|02|012|02|12|02|23$  (Case 2).

$\mathcal{K}_{01,5}(01|02|012|12|12|12|23, 6) \Rightarrow 01|02|012|12|02|02|23$  (Case 2).

Free by vertex permutation:  $(162345) \Rightarrow 01|02|012|02|02|23|12$ ,  $(162354) \Rightarrow 01|02|012|02|23|02|12$ ,  $(213456) \Rightarrow 01|02|012|12|12|12|13$ ,  $(261345) \Rightarrow 01|02|012|01|01|13|12$ ,  $(261354) \Rightarrow 01|02|012|01|13|01|12$ ,  $(341265) \Rightarrow 01|01|012|02|12|13|01$  and  $(351264) \Rightarrow 01|01|012|02|13|12|01$

$\mathcal{K}_{02,2}(01|02|012|12|13|01|02, \infty, 3, 5) \Rightarrow 01|02|013|13|12|01|03$ ,  $01|02|012|13|12|01|03$ ,  $01|02|013|13|13|01|03$  (Case 1 and 2).

$\mathcal{K}_{02,3}(01|02|012|12|13|01|02, \infty, 5) \Rightarrow 01|02|013|12|13|01|02$ ,  $01|02|013|12|12|01|02$  (Case 1).

$\mathcal{K}_{02,5}(01|02|012|12|13|01|02, \infty) \Rightarrow 01|02|012|12|12|01|02$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|01|13|02$ ,  $(213456) \Rightarrow 01|02|012|12|23|02|01$ ,  $(213546) \Rightarrow 01|02|012|12|02|23|01$ ,  $(413562) \Rightarrow 01|01|012|02|12|23|12$  and  $(513462) \Rightarrow 01|01|012|02|23|12|12$

$\mathcal{K}_{13,7}(01|02|012|13|01|01|23, \infty, 1, 5, 6) \Rightarrow 01|02|012|13|01|01|12$ ,  $01|02|023|13|03|03|23$ ,  $01|02|012|13|03|03|12$ ,  $01|02|012|13|01|03|12$  (Case 1 and 2).

$\mathcal{K}_{13,1}(01|02|012|13|01|01|23, \infty, 5, 6) \Rightarrow 01|02|023|13|03|03|12$ ,  $01|02|023|13|01|03|12$ ,  $01|02|023|13|03|01|12$  (Case 1).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|23|02|02|13$

$\mathcal{K}_{23,3}(01|02|012|13|02|13|23, \infty, 2, 4, 5, 6) \Rightarrow 01|02|013|13|02|13|23$ ,  $01|02|012|12|03|12|23$ ,  $01|02|013|12|02|13|23$ ,  $01|02|013|13|03|13|23$ ,  $01|02|013|13|02|12|23$  (Case 1 and 2).

$\mathcal{K}_{23,2}(01|02|012|13|02|13|23, \infty) \Rightarrow 01|02|013|12|03|12|23$  (Case 1).

$\mathcal{K}_{23,6}(01|02|012|13|02|13|23, 4, 5) \Rightarrow 01|02|012|12|02|12|23$ ,  $01|02|012|13|03|12|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|13|02|23$ ,  $(134652) \Rightarrow 01|23|012|02|13|13|02$ ,  $(213456) \Rightarrow 01|02|012|23|01|23|13$ ,  $(213546) \Rightarrow 01|02|012|23|23|01|13$ ,  $(234651) \Rightarrow 01|23|023|02|13|13|02$ ,  $(314652) \Rightarrow 01|02|013|13|23|23|01$ ,  $(324651) \Rightarrow 01|02|023|23|13|13|02$ ,  $(413256) \Rightarrow 01|01|012|23|02|23|13$ ,  $(416253) \Rightarrow 01|01|012|03|12|23|23$ ,  $(513246) \Rightarrow 01|01|012|23|23|02|13$  and  $(516243) \Rightarrow 01|01|012|03|23|12|23$

$\mathcal{K}_{12,7}(01|02|012|13|12|12|23, \infty, 1, 5, 6) \Rightarrow 01|02|012|13|12|12|12$ ,  $01|02|023|13|23|23|23$ ,  $01|02|012|13|23|12|12$ ,  $01|02|012|13|12|23|12$  (Case 1 and 2).

$\mathcal{K}_{12,1}(01|02|012|13|12|12|23, \infty) \Rightarrow 01|02|023|13|23|23|12$  (Case 1).

$\mathcal{K}_{12,5}(01|02|012|13|12|12|23, \infty) \Rightarrow 01|02|012|13|23|12|23$  (Case 2).

$\mathcal{K}_{12,6}(01|02|012|13|12|12|23, \infty) \Rightarrow 01|02|012|13|12|23|23$  (Case 2).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|23|12|12|13$

$\mathcal{K}_{12,7}(01|02|012|23|02|02|03, \infty, 2, 5, 6) \Rightarrow 01|02|012|23|02|02|02$ ,  $01|02|013|23|03|03|03$ ,  $01|02|012|23|03|03|02$ ,  $01|02|012|23|02|03|02$  (Case 1 and 2).

$\mathcal{K}_{12,2}(01|02|012|23|02|02|03, \infty, 5, 6) \Rightarrow 01|02|013|23|03|03|02$ ,  $01|02|013|23|02|03|02$ ,  $01|02|013|23|03|02|02$  (Case 1).

Free by vertex permutation:  $(126453) \Rightarrow 01|02|012|03|02|02|23$ ,  $(213456) \Rightarrow 01|02|012|13|01|01|03$   
and  $(216453) \Rightarrow 01|02|012|03|01|01|13$

$\mathcal{K}_{03,5}(01|02|012|23|02|03|03, 6, 7) \Rightarrow 01|02|012|23|12|13|03$ ,  $01|02|012|23|12|03|13$  (Case 2).

$\mathcal{K}_{03,6}(01|02|012|23|02|03|03, 7) \Rightarrow 01|02|012|23|02|13|13$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|23|03|02|03$ ,  $(213456) \Rightarrow 01|02|012|13|01|03|03$   
and  $(213546) \Rightarrow 01|02|012|13|03|01|03$

$\mathcal{K}_{03,1}(01|02|012|23|02|23|03, \infty, 3, 6) \Rightarrow 01|02|023|12|02|12|01$ ,  $01|02|012|12|02|12|01$ ,  $01|02|023|12|02|23|03$   
(Case 1 and 2).

$\mathcal{K}_{03,3}(01|02|012|23|02|23|03, \infty, 6) \Rightarrow 01|02|023|23|02|23|03$ ,  $01|02|023|23|02|12|03$  (Case 1).

$\mathcal{K}_{03,6}(01|02|012|23|02|23|03, \infty) \Rightarrow 01|02|012|23|02|12|03$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|23|23|02|03$ ,  $(213456) \Rightarrow 01|02|012|13|01|13|03$   
and  $(213546) \Rightarrow 01|02|012|13|13|01|03$

$\mathcal{K}_{12,3}(01|02|013|01|12|23|03, 1, 5, 6) \Rightarrow 01|02|013|12|01|03|23$ ,  $01|02|123|01|01|23|03$ ,  $01|02|123|01|12|03|03$   
(Case 1 and 2).

$\mathcal{K}_{12,5}(01|02|013|01|12|23|03, 1, 6) \Rightarrow 01|02|123|12|12|03|23$ ,  $01|02|013|01|01|03|03$  (Case 1 and 2).

$\mathcal{K}_{12,1}(01|02|013|01|12|23|03, 6) \Rightarrow 01|02|123|12|01|23|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|01|23|12|03$ ,  $(213456) \Rightarrow 01|02|023|02|12|13|03$   
and  $(213546) \Rightarrow 01|02|023|02|13|12|03$

$\mathcal{K}_{01,3}(01|02|013|02|02|03|03, \infty, 4, 5) \Rightarrow 01|02|023|02|02|03|03$ ,  $01|02|023|01|02|03|03$ ,  $01|02|023|02|01|03|03$   
(Case 1 and 2).

$\mathcal{K}_{01,4}(01|02|013|02|02|03|03, \infty, 5) \Rightarrow 01|02|013|01|02|03|03$ ,  $01|02|013|01|01|03|03$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|013|02|02|03|03, \infty) \Rightarrow 01|01|023|01|01|02|02$  (Case 2).

$\mathcal{K}_{01,5}(01|02|013|02|02|03|03, \infty) \Rightarrow 01|02|013|02|01|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|02|03|02|03$ ,  $(213456) \Rightarrow 01|02|023|01|01|03|03$ ,  
 $(213546) \Rightarrow 01|02|023|01|03|01|03$ ,  $(312456) \Rightarrow 01|01|023|02|01|03|03$  and  $(312546) \Rightarrow 01|01|023|02|03|01|03$

$\mathcal{K}_{02,7}(01|02|013|02|13|12|02, \infty, 2, 4, 5) \Rightarrow 01|02|013|02|13|12|23$ ,  $01|23|012|03|12|13|23$ ,  $01|02|013|23|13|12|02$ ,  
 $01|02|013|02|01|12|23$  (Case 1 and 2).

$\mathcal{K}_{02,2}(01|02|013|02|13|12|02, \infty) \Rightarrow 01|23|012|03|12|13|03$  (Case 1).

$\mathcal{K}_{02,4}(01|02|013|02|13|12|02, \infty) \Rightarrow 01|02|013|23|13|12|02$  (Case 1).

$\mathcal{K}_{02,5}(01|02|013|02|13|12|02, \infty) \Rightarrow 01|02|013|02|01|12|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|02|12|13|02$ ,  $(213456) \Rightarrow 01|02|023|01|23|12|01$   
and  $(213546) \Rightarrow 01|02|023|01|12|23|01$

$\mathcal{K}_{03,5}(01|02|013|02|23|02|02, \infty, 2, 3, 4, 6, 7) \Rightarrow 01|02|013|02|13|02|02$ ,  $01|01|012|03|12|03|03$ ,  
 $01|02|023|02|13|02|02$ ,  $01|02|013|01|13|02|02$ ,  $01|02|013|02|13|01|02$ ,  $01|02|013|02|13|02|01$  (Case 1 and 2).

$\mathcal{K}_{03,3}(01|02|013|02|23|02|02, \infty, 2, 4, 6, 7) \Rightarrow 01|02|023|02|23|02|02, 01|01|023|02|23|02|02, 01|02|023|01|23|02|02, 01|02|023|02|23|01|02, 01|02|023|02|23|02|01$  (Case 1).

$\mathcal{K}_{03,1}(01|02|013|02|23|02|02, \infty) \Rightarrow 01|01|023|01|12|01|01$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|02|02|23|02, (213456) \Rightarrow 01|02|023|01|13|01|01, (213546) \Rightarrow 01|02|023|01|01|13|01, (312456) \Rightarrow 01|01|023|02|13|01|01$  and  $(312546) \Rightarrow 01|01|023|02|01|13|01$

$\mathcal{K}_{02,4}(01|02|013|02|23|03|02, 3, 5, 7) \Rightarrow 01|02|023|01|23|03|02, 01|02|013|01|13|03|02, 01|02|013|01|23|03|01$  (Case 1 and 2).

$\mathcal{K}_{02,5}(01|02|013|02|23|03|02, 3, 7) \Rightarrow 01|02|023|02|13|03|02, 01|02|013|02|13|03|01$  (Case 1 and 2).

$\mathcal{K}_{02,3}(01|02|013|02|23|03|02, 7) \Rightarrow 01|02|023|02|23|03|01$  (Case 1).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|013|02|23|02|03, (123546) \Rightarrow 01|02|013|02|03|23|02, (123564) \Rightarrow 01|02|013|02|02|23|03, (124365) \Rightarrow 01|02|013|23|02|02|03, (124635) \Rightarrow 01|02|013|03|02|02|23, (164235) \Rightarrow 01|23|012|02|03|03|03, (213456) \Rightarrow 01|02|023|01|13|03|01, (213465) \Rightarrow 01|02|023|01|13|01|03, (213546) \Rightarrow 01|02|023|01|03|13|01, (213564) \Rightarrow 01|02|023|01|01|13|03, (214365) \Rightarrow 01|02|023|13|01|01|03, (214635) \Rightarrow 01|02|023|03|01|01|13, (264135) \Rightarrow 01|23|023|02|12|12|12, (312456) \Rightarrow 01|01|023|02|13|03|01, (312465) \Rightarrow 01|01|023|02|13|01|03, (312546) \Rightarrow 01|01|023|02|03|13|01, (312564) \Rightarrow 01|01|023|02|01|13|03, (364125) \Rightarrow 01|02|023|23|12|12|12, (364215) \Rightarrow 01|02|013|13|12|12|12, (614235) \Rightarrow 01|02|123|12|01|01|13, (624135) \Rightarrow 01|02|123|12|02|02|23, (634125) \Rightarrow 01|02|023|12|12|12|23$  and  $(634215) \Rightarrow 01|02|013|12|12|12|13$

$\mathcal{K}_{01,3}(01|02|013|02|23|03|03, \infty, 4, 5) \Rightarrow 01|02|023|02|23|03|03, 01|02|023|01|23|03|03, 01|02|023|02|13|03|03$  (Case 1 and 2).

$\mathcal{K}_{01,4}(01|02|013|02|23|03|03, \infty, 5) \Rightarrow 01|02|013|01|23|03|03, 01|02|013|01|13|03|03$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|013|02|23|03|03, \infty) \Rightarrow 01|01|023|01|12|02|02$  (Case 2).

$\mathcal{K}_{01,5}(01|02|013|02|23|03|03, \infty) \Rightarrow 01|02|013|02|13|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|02|03|23|03, (213456) \Rightarrow 01|02|023|01|13|03|03, (213546) \Rightarrow 01|02|023|01|03|13|03, (312456) \Rightarrow 01|01|023|02|13|03|03, (312546) \Rightarrow 01|01|023|02|03|13|03, (346512) \Rightarrow 01|01|012|02|03|13|03, (356412) \Rightarrow 01|01|012|02|13|03|03, (451236) \Rightarrow 01|02|123|12|13|01|12, (452136) \Rightarrow 01|02|123|12|23|02|12, (453126) \Rightarrow 01|02|023|12|23|12|02, (453216) \Rightarrow 01|02|013|12|13|12|01, (456123) \Rightarrow 01|02|023|02|23|12|12, (456213) \Rightarrow 01|02|013|01|13|12|12, (541236) \Rightarrow 01|02|123|12|01|13|12, (542136) \Rightarrow 01|02|123|12|02|23|12, (543126) \Rightarrow 01|02|023|12|12|23|02, (543216) \Rightarrow 01|02|013|12|12|13|01, (546123) \Rightarrow 01|02|023|02|12|23|12$  and  $(546213) \Rightarrow 01|02|013|01|12|13|12$

$\mathcal{K}_{02,2}(01|02|013|03|12|23|23, 6, 7) \Rightarrow 01|23|012|02|13|03|23, 01|23|012|02|13|23|03$  (Case 1).

$\mathcal{K}_{02,6}(01|02|013|03|12|23|23, 7) \Rightarrow 01|02|013|03|12|02|02$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|03|23|12|23, (126435) \Rightarrow 01|02|013|23|12|23|03, (126534) \Rightarrow 01|02|013|23|23|12|03, (213456) \Rightarrow 01|02|023|03|12|13|13, (213546) \Rightarrow 01|02|023|03|13|12|13, (216435) \Rightarrow 01|02|023|13|12|13|03, (216534) \Rightarrow 01|02|023|13|13|12|03, (346512) \Rightarrow 01|01|023|23|12|13|02, (356412) \Rightarrow 01|01|023|23|12|13|03, (413256) \Rightarrow 01|02|123|13|12|03|03, (423156) \Rightarrow 01|02|123|23|12|03|03, (456123) \Rightarrow 01|02|123|02|13|03|23, (456213) \Rightarrow 01|02|123|01|23|03|13, (513246) \Rightarrow 01|02|123|13|03|12|03, (523146) \Rightarrow 01|02|123|23|03|12|03, (546123) \Rightarrow 01|02|123|02|03|13|23$  and  $(546213) \Rightarrow 01|02|123|01|03|23|13$

$\mathcal{K}_{13,2}(01|02|013|12|03|02|02, 6, 7) \Rightarrow 01|23|012|03|12|23|13, 01|23|012|03|12|13|23$  (Case 2).

$\mathcal{K}_{13,6}(01|02|013|12|03|02|02, 7) \Rightarrow 01|02|013|12|03|23|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|02|03|02$ ,  $(213456) \Rightarrow 01|02|023|12|03|01|01$  and  $(213546) \Rightarrow 01|02|023|12|01|03|01$

$\mathcal{K}_{01,4}(01|02|013|12|13|12|23, 5, 6) \Rightarrow 01|02|013|02|03|12|23, 01|02|013|02|13|02|23$  (Case 1).

$\mathcal{K}_{01,5}(01|02|013|12|13|12|23, 6) \Rightarrow 01|02|013|12|03|02|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|12|13|23$ ,  $(163245) \Rightarrow 01|02|012|03|03|23|13$ ,  $(163254) \Rightarrow 01|02|012|03|23|03|13$ ,  $(163452) \Rightarrow 01|23|012|03|02|03|13$ ,  $(163542) \Rightarrow 01|23|012|03|03|02|13$ ,  $(213456) \Rightarrow 01|02|023|12|23|12|13$ ,  $(213546) \Rightarrow 01|02|023|12|12|23|13$ ,  $(263145) \Rightarrow 01|02|012|03|03|13|23$ ,  $(263154) \Rightarrow 01|02|012|03|13|03|23$ ,  $(263451) \Rightarrow 01|23|023|12|02|12|13$ ,  $(263541) \Rightarrow 01|23|023|12|12|02|13$ ,  $(314652) \Rightarrow 01|02|123|13|03|03|23$ ,  $(324651) \Rightarrow 01|02|123|23|03|03|13$ ,  $(613452) \Rightarrow 01|02|123|03|23|03|13$ ,  $(613542) \Rightarrow 01|02|123|03|03|23|13$ ,  $(623451) \Rightarrow 01|02|123|03|13|03|23$ ,  $(623541) \Rightarrow 01|02|123|03|03|13|23$ ,  $(641235) \Rightarrow 01|02|023|01|13|12|03$ ,  $(642135) \Rightarrow 01|02|013|02|23|12|03$ ,  $(651234) \Rightarrow 01|02|023|01|12|13|03$  and  $(652134) \Rightarrow 01|02|013|02|12|23|03$

$\mathcal{K}_{03,2}(01|02|013|13|13|23|23, 1, 5, 6) \Rightarrow 01|02|013|01|01|02|02, 01|23|012|02|01|23|23, 01|23|012|02|02|13|23$  (Case 1 and 2).

$\mathcal{K}_{03,5}(01|02|013|13|13|23|23, 1, 6) \Rightarrow 01|23|012|01|02|13|13, 01|02|013|13|01|02|23$  (Case 1).

$\mathcal{K}_{03,1}(01|02|013|13|13|23|23, 6) \Rightarrow 01|23|012|01|01|23|03$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|13|23|13|23$ ,  $(162435) \Rightarrow 01|02|012|23|02|23|13$ ,  $(162534) \Rightarrow 01|02|012|23|23|02|13$ ,  $(213456) \Rightarrow 01|02|023|23|23|13|13$ ,  $(213546) \Rightarrow 01|02|023|23|13|23|13$ ,  $(261435) \Rightarrow 01|02|012|13|01|13|23$ ,  $(261534) \Rightarrow 01|02|012|13|13|01|23$ ,  $(453126) \Rightarrow 01|02|013|01|13|23|02$ ,  $(453216) \Rightarrow 01|02|023|02|23|13|01$ ,  $(543126) \Rightarrow 01|02|013|01|23|13|02$  and  $(543216) \Rightarrow 01|02|023|02|13|23|01$

$\mathcal{K}_{01,3}(01|02|013|23|23|03|03, \infty, 4, 5) \Rightarrow 01|02|023|23|23|03|03, 01|02|023|13|23|03|03, 01|02|023|23|13|03|03$  (Case 1 and 2).

$\mathcal{K}_{01,4}(01|02|013|23|23|03|03, \infty, 5) \Rightarrow 01|02|013|13|23|03|03, 01|02|013|13|13|03|03$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|013|23|23|03|03, \infty) \Rightarrow 01|01|023|12|12|02|02$  (Case 2).

$\mathcal{K}_{01,5}(01|02|013|23|23|03|03, \infty) \Rightarrow 01|02|013|23|13|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|23|03|23|03$ ,  $(213456) \Rightarrow 01|02|023|13|13|03|03$  and  $(213546) \Rightarrow 01|02|023|13|03|13|03$

$\mathcal{K}_{03,5}(01|02|023|01|13|02|12, 6, 7) \Rightarrow 01|02|023|01|12|03|12, 01|02|023|01|12|02|13$  (Case 1).

$\mathcal{K}_{03,6}(01|02|023|01|13|02|12, 7) \Rightarrow 01|02|023|01|13|03|13$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|01|02|13|12$ ,  $(213456) \Rightarrow 01|02|013|02|23|01|12$  and  $(213546) \Rightarrow 01|02|013|02|01|23|12$

$\mathcal{K}_{02,4}(01|02|023|01|13|03|02, 3, 5, 7) \Rightarrow 01|02|013|02|13|03|02, 01|02|023|02|23|03|02, 01|02|023|02|13|03|02$  (Case 1 and 2).

$\mathcal{K}_{02,5}(01|02|023|01|13|03|02, 3, 7) \Rightarrow 01|02|013|01|23|03|02, 01|02|023|01|23|03|01$  (Case 1 and 2).

$\mathcal{K}_{02,3}(01|02|023|01|13|03|02, 7) \Rightarrow 01|02|013|01|13|03|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|01|03|13|02$ ,  $(213456) \Rightarrow 01|02|013|02|23|03|01$   
and  $(213546) \Rightarrow 01|02|013|02|03|23|01$

$\mathcal{K}_{02,1}(01|02|023|01|13|12|02, \infty, 2, 5) \Rightarrow 01|23|023|12|01|13|23, 01|02|023|13|01|12|23, 01|23|023|12|12|13|01$   
(Case 1 and 2).

$\mathcal{K}_{02,2}(01|02|023|01|13|12|02, \infty, 5) \Rightarrow 01|23|023|01|12|13|03, 01|23|023|01|01|12|02$  (Case 1 and 2).

$\mathcal{K}_{02,5}(01|02|023|01|13|12|02, \infty) \Rightarrow 01|02|023|01|01|12|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|01|12|13|02$ ,  $(213456) \Rightarrow 01|02|013|02|23|12|01$   
and  $(213546) \Rightarrow 01|02|013|02|12|23|01$

$\mathcal{K}_{01,4}(01|02|023|01|23|12|02, \infty, 1, 3, 6) \Rightarrow 01|02|023|03|23|12|02, 01|02|012|01|12|23|02, 01|02|012|03|23|12|01$   
 $01|02|023|03|23|23|02$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|023|01|23|12|02, \infty) \Rightarrow 01|02|012|03|12|23|02$  (Case 1).

$\mathcal{K}_{01,3}(01|02|023|01|23|12|02, \infty) \Rightarrow 01|02|012|01|23|12|02$  (Case 2).

$\mathcal{K}_{01,6}(01|02|023|01|23|12|02, \infty) \Rightarrow 01|02|023|01|23|23|02$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|01|12|23|02$ ,  $(213456) \Rightarrow 01|02|013|02|13|12|01$   
and  $(213546) \Rightarrow 01|02|013|02|12|13|01$

$\mathcal{K}_{13,5}(01|02|023|02|01|03|02, \infty, 1, 2, 4) \Rightarrow 01|02|023|02|13|03|02, 01|23|023|23|01|02|23, 01|23|023|02|13|01$   
 $01|02|023|23|13|03|02$  (Case 1 and 2).

$\mathcal{K}_{13,1}(01|02|023|02|01|03|02, \infty) \Rightarrow 01|23|023|23|12|02|23$  (Case 2).

$\mathcal{K}_{13,2}(01|02|023|02|01|03|02, \infty) \Rightarrow 01|23|023|02|01|03|02$  (Case 1).

$\mathcal{K}_{13,4}(01|02|023|02|01|03|02, \infty) \Rightarrow 01|02|023|23|01|03|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|02|03|01|02$ ,  $(213456) \Rightarrow 01|02|013|01|02|03|01$   
and  $(213546) \Rightarrow 01|02|013|01|03|02|01$

$\mathcal{K}_{12,5}(01|02|023|02|01|03|23, 6, 7) \Rightarrow 01|02|023|02|12|23|23, 01|02|023|02|12|03|03$  (Case 1 and 2).

$\mathcal{K}_{12,6}(01|02|023|02|01|03|23, 7) \Rightarrow 01|02|023|02|01|23|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|02|03|01|23$ ,  $(213456) \Rightarrow 01|02|013|01|02|03|13$   
and  $(213546) \Rightarrow 01|02|013|01|03|02|13$

$\mathcal{K}_{03,2}(01|02|023|02|01|13|23, 1, 4, 7) \Rightarrow 01|02|023|23|13|01|02, 01|23|023|23|01|12|23, 01|23|023|02|01|13|01$   
(Case 1 and 2).

$\mathcal{K}_{03,4}(01|02|023|02|01|13|23, 1, 7) \Rightarrow 01|23|023|02|13|01|02, 01|02|023|23|01|13|02$  (Case 1).

$\mathcal{K}_{03,1}(01|02|023|02|01|13|23, 7) \Rightarrow 01|23|023|23|12|01|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|02|13|01|23$ ,  $(213456) \Rightarrow 01|02|013|01|02|23|13$   
and  $(213546) \Rightarrow 01|02|013|01|23|02|13$

$\mathcal{K}_{13,4}(01|02|023|02|13|03|23, \infty, 2, 5, 7) \Rightarrow 01|02|023|23|13|03|23, 01|23|023|23|12|02|23, 01|02|023|23|01|01$   
 $01|02|023|23|13|03|02$  (Case 1 and 2).

$\mathcal{K}_{13,2}(01|02|023|02|13|03|23, \infty, 7) \Rightarrow 01|23|023|02|13|03|23, 01|23|023|02|13|03|02$  (Case 1).



$\mathcal{K}_{13,7}(01|02|023|02|13|03|23, \infty) \Rightarrow 01|02|023|02|13|03|02$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|02|03|13|23$ ,  $(213456) \Rightarrow 01|02|013|01|23|03|13$  and  $(213546) \Rightarrow 01|02|013|01|03|23|13$

$\mathcal{K}_{03,2}(01|02|023|03|12|13|23, 6, 7) \Rightarrow 01|23|023|02|13|01|23$ ,  $01|23|023|02|13|12|03$  (Case 1).

$\mathcal{K}_{03,6}(01|02|023|03|12|13|23, 7) \Rightarrow 01|02|023|03|12|01|02$  (Case 2).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|023|03|12|23|13$ ,  $(123546) \Rightarrow 01|02|023|03|13|12|23$ ,  $(123564) \Rightarrow 01|02|023|03|23|12|13$ ,  $(143256) \Rightarrow 01|02|123|13|12|03|23$ ,  $(153246) \Rightarrow 01|02|123|13|03|12|23$ ,  $(213456) \Rightarrow 01|02|013|03|12|23|13$ ,  $(213465) \Rightarrow 01|02|013|03|12|13|23$ ,  $(213546) \Rightarrow 01|02|013|03|23|12|13$ ,  $(213564) \Rightarrow 01|02|013|03|13|12|23$ ,  $(243156) \Rightarrow 01|02|123|23|12|03|13$  and  $(253146) \Rightarrow 01|02|123|23|03|12|13$

$\mathcal{K}_{12,4}(01|02|023|03|13|03|23, 6, 7) \Rightarrow 01|02|023|23|13|23|23$ ,  $01|02|023|23|13|03|03$  (Case 1 and 2).

$\mathcal{K}_{12,6}(01|02|023|03|13|03|23, 7) \Rightarrow 01|02|023|03|13|23|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|03|03|13|23$ ,  $(213456) \Rightarrow 01|02|013|03|23|03|13$ ,  $(213546) \Rightarrow 01|02|013|03|03|23|13$ ,  $(412536) \Rightarrow 01|02|012|02|03|23|12$ ,  $(413256) \Rightarrow 01|23|012|02|03|02|12$ ,  $(421536) \Rightarrow 01|02|012|01|03|13|12$ ,  $(423156) \Rightarrow 01|23|023|02|12|02|03$ ,  $(451236) \Rightarrow 01|02|013|01|12|13|03$ ,  $(452136) \Rightarrow 01|02|023|02|12|23|03$ ,  $(512436) \Rightarrow 01|02|012|02|23|03|12$ ,  $(513246) \Rightarrow 01|23|012|02|02|03|12$ ,  $(521436) \Rightarrow 01|02|012|01|13|03|12$ ,  $(523146) \Rightarrow 01|23|023|02|02|12|03$ ,  $(541236) \Rightarrow 01|02|013|01|13|12|03$  and  $(542136) \Rightarrow 01|02|023|02|23|12|03$

$\mathcal{K}_{02,3}(01|02|023|12|01|03|23, \infty, 5, 7) \Rightarrow 01|02|013|12|01|03|23$ ,  $01|02|013|12|02|03|23$ ,  $01|02|013|12|01|03|23$  (Case 1 and 2).

$\mathcal{K}_{02,5}(01|02|023|12|01|03|23, \infty, 7) \Rightarrow 01|02|023|12|02|03|23$ ,  $01|02|023|12|02|03|13$  (Case 1).

$\mathcal{K}_{02,2}(01|02|023|12|01|03|23, \infty) \Rightarrow 01|01|023|12|01|03|23$  (Case 2).

$\mathcal{K}_{02,7}(01|02|023|12|01|03|23, \infty) \Rightarrow 01|02|023|12|01|03|13$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|03|01|23$ ,  $(213456) \Rightarrow 01|02|013|12|02|03|13$  and  $(213546) \Rightarrow 01|02|013|12|03|02|13$

$\mathcal{K}_{13,4}(01|02|023|12|01|13|23, \infty, 1, 3, 5, 7) \Rightarrow 01|02|023|23|01|13|23$ ,  $01|02|012|12|03|13|12$ ,  $01|02|012|23|01|13|23$ ,  $01|02|023|23|03|13|23$ ,  $01|02|023|23|01|13|12$  (Case 1 and 2).

$\mathcal{K}_{13,1}(01|02|023|12|01|13|23, \infty) \Rightarrow 01|02|012|23|03|13|12$  (Case 1).

$\mathcal{K}_{13,7}(01|02|023|12|01|13|23, 3, 5) \Rightarrow 01|02|012|12|01|13|12$ ,  $01|02|023|12|03|13|12$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|13|01|23$ ,  $(213456) \Rightarrow 01|02|013|12|02|23|13$  and  $(213546) \Rightarrow 01|02|013|12|23|02|13$

$\mathcal{K}_{12,3}(01|02|023|12|03|13|23, \infty, 6, 7) \Rightarrow 01|02|013|12|03|13|23$ ,  $01|02|013|12|03|23|23$ ,  $01|02|013|12|03|13|23$  (Case 1 and 2).

$\mathcal{K}_{12,6}(01|02|023|12|03|13|23, \infty, 7) \Rightarrow 01|02|023|12|03|23|23$ ,  $01|02|023|12|03|23|13$  (Case 1).

$\mathcal{K}_{12,2}(01|02|023|12|03|13|23, \infty) \Rightarrow 01|01|023|12|03|13|23$  (Case 2).

$\mathcal{K}_{12,7}(01|02|023|12|03|13|23, \infty) \Rightarrow 01|02|023|12|03|13|13$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|13|03|23$ ,  $(213456) \Rightarrow 01|02|013|12|03|23|13$ ,  $(213546) \Rightarrow 01|02|013|12|23|03|13$ ,  $(453126) \Rightarrow 01|02|013|23|12|13|03$ ,  $(453216) \Rightarrow 01|02|023|13|12|23|03$ ,  $(543126) \Rightarrow 01|02|013|23|13|12|03$  and  $(543216) \Rightarrow 01|02|023|13|23|12|03$

$\mathcal{K}_{01,3}(01|02|023|12|12|23|23, 4, 5) \Rightarrow 01|02|123|02|12|23|23$ ,  $01|02|123|12|02|23|23$  (Case 1 and 2).

$\mathcal{K}_{01,4}(01|02|023|12|12|23|23, 5) \Rightarrow 01|02|023|02|02|23|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|23|12|23$ ,  $(213456) \Rightarrow 01|02|013|12|12|13|13$ ,  $(213546) \Rightarrow 01|02|013|12|13|12|13$ ,  $(461325) \Rightarrow 01|02|023|01|13|02|03$ ,  $(462315) \Rightarrow 01|02|013|02|23|01|03$ ,  $(561324) \Rightarrow 01|02|023|01|02|13|03$ ,  $(562314) \Rightarrow 01|02|013|02|01|23|03$ ,  $(613425) \Rightarrow 01|02|012|03|03|02|13$ ,  $(613524) \Rightarrow 01|02|012|03|02|03|13$ ,  $(623415) \Rightarrow 01|02|012|03|03|01|23$  and  $(623514) \Rightarrow 01|02|012|03|01|03|23$

$\mathcal{K}_{02,3}(01|02|023|12|13|03|02, \infty, 5, 7) \Rightarrow 01|02|013|12|13|03|02$ ,  $01|02|013|12|23|03|02$ ,  $01|02|013|12|13|03|02$  (Case 1 and 2).

$\mathcal{K}_{02,5}(01|02|023|12|13|03|02, \infty, 7) \Rightarrow 01|02|023|12|23|03|02$ ,  $01|02|023|12|23|03|01$  (Case 1).

$\mathcal{K}_{02,2}(01|02|023|12|13|03|02, \infty) \Rightarrow 01|01|023|12|13|03|02$  (Case 2).

$\mathcal{K}_{02,7}(01|02|023|12|13|03|02, \infty) \Rightarrow 01|02|023|12|13|03|01$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|03|13|02$ ,  $(213456) \Rightarrow 01|02|013|12|23|03|01$ ,  $(213546) \Rightarrow 01|02|013|12|03|23|01$ ,  $(613452) \Rightarrow 01|01|012|03|23|12|13$  and  $(613542) \Rightarrow 01|01|012|03|12|23|13$

$\mathcal{K}_{02,2}(01|02|023|12|13|12|23, 5, 7) \Rightarrow 01|23|023|12|01|12|23$ ,  $01|23|023|12|13|12|02$  (Case 1 and 2).

$\mathcal{K}_{02,5}(01|02|023|12|13|12|23, 7) \Rightarrow 01|02|023|12|01|12|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|12|13|23$ ,  $(162435) \Rightarrow 01|02|123|02|03|23|12$ ,  $(162534) \Rightarrow 01|02|123|02|23|03|12$ ,  $(213456) \Rightarrow 01|02|013|12|23|12|13$ ,  $(213546) \Rightarrow 01|02|013|12|12|23|13$ ,  $(261435) \Rightarrow 01|02|123|01|03|13|12$ ,  $(261534) \Rightarrow 01|02|123|01|13|03|12$ ,  $(451632) \Rightarrow 01|02|023|01|13|03|12$ ,  $(452631) \Rightarrow 01|02|013|02|23|03|12$ ,  $(541632) \Rightarrow 01|02|023|01|03|13|12$  and  $(542631) \Rightarrow 01|02|013|02|03|23|12$

$\mathcal{K}_{12,4}(01|02|023|13|03|13|23, 3, 6, 7) \Rightarrow 01|02|013|23|03|13|23$ ,  $01|02|023|23|03|23|23$ ,  $01|02|023|23|03|13|13$  (Case 1 and 2).

$\mathcal{K}_{12,6}(01|02|023|13|03|13|23, 3, 7) \Rightarrow 01|02|013|13|03|23|23$ ,  $01|02|023|13|03|23|13$  (Case 1 and 2).

$\mathcal{K}_{12,3}(01|02|023|13|03|13|23, 7) \Rightarrow 01|02|013|13|03|13|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|13|13|03|23$ ,  $(134652) \Rightarrow 01|23|023|02|13|13|03$ ,  $(213456) \Rightarrow 01|02|013|23|03|23|13$ ,  $(213546) \Rightarrow 01|02|013|23|23|03|13$ ,  $(234651) \Rightarrow 01|23|012|02|13|13|12$ ,  $(314652) \Rightarrow 01|02|012|13|23|23|12$ ,  $(324651) \Rightarrow 01|02|012|23|13|13|12$ ,  $(451236) \Rightarrow 01|02|023|01|12|23|03$ ,  $(452136) \Rightarrow 01|02|013|02|12|13|03$ ,  $(541236) \Rightarrow 01|02|023|01|23|12|03$  and  $(542136) \Rightarrow 01|02|013|02|13|12|03$

$\mathcal{K}_{03,1}(01|02|023|13|12|13|23, \infty, 2, 6) \Rightarrow 01|23|023|01|12|01|02$ ,  $01|02|023|01|12|01|02$ ,  $01|23|023|01|12|13|13$  (Case 1 and 2).

$\mathcal{K}_{03,2}(01|02|023|13|12|13|23, \infty, 6) \Rightarrow 01|23|023|12|13|12|23$ ,  $01|23|023|12|13|01|23$  (Case 1 and 2).

$\mathcal{K}_{03,6}(01|02|023|13|12|13|23, \infty) \Rightarrow 01|02|023|13|12|01|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|13|13|12|23$ ,  $(213456) \Rightarrow 01|02|013|23|12|23|13$ ,  
 $(213546) \Rightarrow 01|02|013|23|23|12|13$ ,  $(453126) \Rightarrow 01|02|123|02|03|13|12$ ,  $(453216) \Rightarrow 01|02|123|01|03|23|12$ ,  
 $(543126) \Rightarrow 01|02|123|02|13|03|12$ ,  $(543216) \Rightarrow 01|02|123|01|23|03|12$ ,  $(614532) \Rightarrow 01|02|012|23|23|03|13$ ,  
 $(615432) \Rightarrow 01|02|012|23|03|23|13$ ,  $(624531) \Rightarrow 01|02|012|13|13|03|23$  and  $(625431) \Rightarrow 01|02|012|13|03|13|23$

$\mathcal{K}_{12,7}(01|02|023|13|12|23|23, \infty, 1, 3, 5) \Rightarrow 01|02|023|13|12|23|12$ ,  $01|02|012|13|23|12|23$ ,  $01|02|012|13|12|23$   
 $01|02|023|13|23|23|12$  (Case 1 and 2).

$\mathcal{K}_{12,1}(01|02|023|13|12|23|23, \infty) \Rightarrow 01|02|012|13|23|12|12$  (Case 1).

$\mathcal{K}_{12,3}(01|02|023|13|12|23|23, \infty) \Rightarrow 01|02|012|13|12|23|23$  (Case 2).

$\mathcal{K}_{12,5}(01|02|023|13|12|23|23, \infty) \Rightarrow 01|02|023|13|23|23|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|13|23|12|23$ ,  $(134625) \Rightarrow 01|23|023|02|13|23|12$ ,  
 $(135624) \Rightarrow 01|23|023|02|23|13|12$ ,  $(146532) \Rightarrow 01|23|023|23|02|12|13$ ,  $(156432) \Rightarrow 01|23|023|23|12|02|13$ ,  
 $(213456) \Rightarrow 01|02|013|23|12|13|13$ ,  $(213546) \Rightarrow 01|02|013|23|13|12|13$ ,  $(234615) \Rightarrow 01|23|012|02|13|01|03$ ,  
 $(235614) \Rightarrow 01|23|012|02|01|13|03$ ,  $(246531) \Rightarrow 01|23|012|01|02|03|13$ ,  $(256431) \Rightarrow 01|23|012|01|03|02|13$ ,  
 $(346512) \Rightarrow 01|01|012|23|02|03|13$ ,  $(356412) \Rightarrow 01|01|012|23|03|02|13$ ,  $(416532) \Rightarrow 01|02|012|02|13|03|23$ ,  
 $(426531) \Rightarrow 01|02|012|01|23|03|13$ ,  $(461352) \Rightarrow 01|02|023|12|13|02|23$ ,  $(462351) \Rightarrow 01|02|013|12|23|01|13$ ,  
 $(516432) \Rightarrow 01|02|012|02|03|13|23$ ,  $(526431) \Rightarrow 01|02|012|01|03|23|13$ ,  $(561342) \Rightarrow 01|02|023|12|02|13|23$   
and  $(562341) \Rightarrow 01|02|013|12|01|23|13$

$\mathcal{K}_{02,7}(01|02|023|23|12|02|02, \infty, 2, 4, 6) \Rightarrow 01|02|023|23|12|02|23$ ,  $01|23|023|23|12|02|23$ ,  $01|02|023|02|12|02$   
 $01|02|023|23|12|23|23$  (Case 1 and 2).

$\mathcal{K}_{02,2}(01|02|023|23|12|02|02, \infty) \Rightarrow 01|23|023|23|12|02|02$  (Case 2).

$\mathcal{K}_{02,4}(01|02|023|23|12|02|02, \infty) \Rightarrow 01|02|023|02|12|02|02$  (Case 1).

$\mathcal{K}_{02,6}(01|02|023|23|12|02|02, \infty) \Rightarrow 01|02|023|23|12|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|23|02|12|02$ ,  $(213456) \Rightarrow 01|02|013|13|12|01|01$   
and  $(213546) \Rightarrow 01|02|013|13|01|12|01$

$\mathcal{K}_{12,4}(01|02|023|23|13|23|03, 6, 7) \Rightarrow 01|02|023|03|13|03|03$ ,  $01|02|023|03|13|23|23$  (Case 1  
and 2).

$\mathcal{K}_{12,6}(01|02|023|23|13|23|03, 7) \Rightarrow 01|02|023|23|13|03|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|23|23|13|03$ ,  $(213456) \Rightarrow 01|02|013|13|23|13|03$   
and  $(213546) \Rightarrow 01|02|013|13|13|23|03$

$\mathcal{K}_{12,5}(01|02|123|01|13|03|02, 6, 7) \Rightarrow 01|02|123|01|12|02|02$ ,  $01|02|123|01|12|03|03$  (Case 1  
and 2).

$\mathcal{K}_{12,6}(01|02|123|01|13|03|02, 7) \Rightarrow 01|02|123|01|13|02|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|01|03|13|02$ ,  $(213456) \Rightarrow 01|02|123|02|23|03|01$   
and  $(213546) \Rightarrow 01|02|123|02|03|23|01$

$\mathcal{K}_{12,5}(01|02|123|02|01|03|23, \infty, 6, 7) \Rightarrow 01|02|123|02|12|03|23$ ,  $01|02|123|02|12|23|23$ ,  $01|02|123|02|12|03|23$   
(Case 1 and 2).

$\mathcal{K}_{12,6}(01|02|123|02|01|03|23, \infty, 7) \Rightarrow 01|02|123|02|01|23|23$ ,  $01|02|123|02|01|23|03$  (Case  
1).

$\mathcal{K}_{12,3}(01|02|123|02|01|03|23, \infty) \Rightarrow 01|02|013|02|01|03|23$  (Case 1).

$\mathcal{K}_{12,7}(01|02|123|02|01|03|23, \infty) \Rightarrow 01|02|123|02|01|03|03$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|03|01|23$ ,  $(213456) \Rightarrow 01|02|123|01|02|03|13$  and  $(213546) \Rightarrow 01|02|123|01|03|02|13$

$\mathcal{K}_{02,3}(01|02|123|02|01|13|23, 5, 7) \Rightarrow 01|02|013|02|12|13|23$ ,  $01|02|013|02|01|13|03$  (Case 1 and 2).

$\mathcal{K}_{02,5}(01|02|123|02|01|13|23, 7) \Rightarrow 01|02|123|02|12|13|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|13|01|23$ ,  $(213456) \Rightarrow 01|02|123|01|02|23|13$ ,  $(213546) \Rightarrow 01|02|123|01|23|02|13$ ,  $(412563) \Rightarrow 01|01|023|02|13|13|23$ ,  $(416523) \Rightarrow 01|23|023|02|13|13|01$  and  $(426513) \Rightarrow 01|23|012|02|13|13|23$

$\mathcal{K}_{03,3}(01|02|123|02|02|03|03, 2, 5, 6) \Rightarrow 01|02|123|12|12|13|13$ ,  $01|02|023|02|12|03|03$ ,  $01|02|023|02|02|13|03$  (Case 1 and 2).

$\mathcal{K}_{03,5}(01|02|123|02|02|03|03, 2, 6) \Rightarrow 01|02|023|12|02|13|13$ ,  $01|02|123|02|12|13|03$  (Case 1 and 2).

$\mathcal{K}_{03,2}(01|02|123|02|02|03|03, 6) \Rightarrow 01|02|023|12|12|03|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|03|02|03$ ,  $(124536) \Rightarrow 01|02|123|03|02|02|03$ ,  $(143526) \Rightarrow 01|02|123|03|03|03|02$ ,  $(146523) \Rightarrow 01|02|123|02|03|03|03$ ,  $(213456) \Rightarrow 01|02|123|01|01|03|03$ ,  $(213546) \Rightarrow 01|02|123|01|03|01|03$ ,  $(214536) \Rightarrow 01|02|123|03|01|01|03$ ,  $(243516) \Rightarrow 01|02|123|03|03|03|01$ ,  $(246513) \Rightarrow 01|02|123|01|03|03|03$ ,  $(312456) \Rightarrow 01|01|023|12|01|13|13$ ,  $(312546) \Rightarrow 01|01|023|12|13|01|13$ ,  $(641523) \Rightarrow 01|02|123|02|01|01|03$ ,  $(642513) \Rightarrow 01|02|123|01|02|02|03$  and  $(643512) \Rightarrow 01|01|023|12|12|12|13$

$\mathcal{K}_{03,5}(01|02|123|02|03|02|02, 3, 4, 6, 7) \Rightarrow 01|02|023|02|13|02|02$ ,  $01|02|123|12|13|02|02$ ,  $01|02|123|02|13|12|01|02|123|02|13|02|12$  (Case 1 and 2).

$\mathcal{K}_{03,6}(01|02|123|02|03|02|02, 3, 7) \Rightarrow 01|02|023|02|03|12|02$ ,  $01|02|123|02|03|12|12$  (Case 1 and 2).

$\mathcal{K}_{03,3}(01|02|123|02|03|02|02, 7) \Rightarrow 01|02|023|02|03|02|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|02|03|02$ ,  $(213456) \Rightarrow 01|02|123|01|03|01|01$ ,  $(213546) \Rightarrow 01|02|123|01|01|03|01$ ,  $(312456) \Rightarrow 01|01|023|12|13|01|01$  and  $(312546) \Rightarrow 01|01|023|12|01|13|01$

$\mathcal{K}_{02,4}(01|02|123|02|13|01|02, 5, 7) \Rightarrow 01|02|123|03|12|01|02$ ,  $01|02|123|03|13|01|03$  (Case 1 and 2).

$\mathcal{K}_{02,5}(01|02|123|02|13|01|02, 7) \Rightarrow 01|02|123|02|12|01|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|01|13|02$ ,  $(213456) \Rightarrow 01|02|123|01|23|02|01$ ,  $(213546) \Rightarrow 01|02|123|01|02|23|01$ ,  $(312456) \Rightarrow 01|01|023|12|23|12|01$  and  $(312546) \Rightarrow 01|01|023|12|12|23|01$

$\mathcal{K}_{01,4}(01|02|123|02|23|02|03, \infty, 5, 6) \Rightarrow 01|02|123|01|23|02|03$ ,  $01|02|123|01|13|02|03$ ,  $01|02|123|01|23|01|13$  (Case 1 and 2).

$\mathcal{K}_{01,5}(01|02|123|02|23|02|03, \infty, 6) \Rightarrow 01|02|123|02|13|02|03$ ,  $01|02|123|02|13|01|03$  (Case 1 and 2).

$\mathcal{K}_{01,1}(01|02|123|02|23|02|03, \infty) \Rightarrow 01|01|023|01|02|01|12$  (Case 2).

$\mathcal{K}_{01,6}(01|02|123|02|23|02|03, \infty) \Rightarrow 01|02|123|02|23|01|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|02|23|03$ ,  $(213456) \Rightarrow 01|02|123|01|13|01|03$ ,  
 $(213546) \Rightarrow 01|02|123|01|01|13|03$ ,  $(413265) \Rightarrow 01|02|023|01|13|12|01$ ,  $(423165) \Rightarrow 01|02|013|02|23|12|02$ ,  
 $(513264) \Rightarrow 01|02|023|01|12|13|01$  and  $(523164) \Rightarrow 01|02|013|02|12|23|02$

$\mathcal{K}_{01,3}(01|02|123|03|03|23|23, 4, 5) \Rightarrow 01|02|023|13|03|23|23$ ,  $01|02|023|03|13|23|23$  (Case 1 and 2).

$\mathcal{K}_{01,4}(01|02|123|03|03|23|23, 5) \Rightarrow 01|02|123|13|13|23|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|03|23|03|23$ ,  $(213456) \Rightarrow 01|02|123|03|03|13|13$ ,  
 $(213546) \Rightarrow 01|02|123|03|13|03|13$ ,  $(345612) \Rightarrow 01|01|012|23|03|13|13$ ,  $(354612) \Rightarrow 01|01|012|23|03|13|03$ ,  
 $(412536) \Rightarrow 01|02|123|12|03|02|12$ ,  $(412635) \Rightarrow 01|02|123|12|03|12|02$ ,  $(413526) \Rightarrow 01|02|023|12|13|12|02$ ,  
 $(415623) \Rightarrow 01|02|023|02|13|12|12$ ,  $(421536) \Rightarrow 01|02|123|12|03|01|12$ ,  $(421635) \Rightarrow 01|02|123|12|03|12|01$ ,  
 $(423516) \Rightarrow 01|02|013|12|23|12|01$ ,  $(425613) \Rightarrow 01|02|013|01|23|12|12$ ,  $(512436) \Rightarrow 01|02|123|12|02|03|12$ ,  
 $(512634) \Rightarrow 01|02|123|12|12|03|02$ ,  $(513426) \Rightarrow 01|02|023|12|12|13|02$ ,  $(514623) \Rightarrow 01|02|023|02|12|13|12$ ,  
 $(521436) \Rightarrow 01|02|123|12|01|03|12$ ,  $(521634) \Rightarrow 01|02|123|12|12|03|01$ ,  $(523416) \Rightarrow 01|02|013|12|12|23|01$   
and  $(524613) \Rightarrow 01|02|013|01|12|23|12$

$\mathcal{K}_{12,3}(01|02|123|12|01|03|23, 1, 5, 6) \Rightarrow 01|02|123|01|12|23|03$ ,  $01|02|013|12|12|03|23$ ,  $01|02|013|12|01|23|23$   
(Case 1 and 2).

$\mathcal{K}_{12,5}(01|02|123|12|01|03|23, 1, 6) \Rightarrow 01|02|013|01|01|23|03$ ,  $01|02|123|12|12|23|23$  (Case 1 and 2).

$\mathcal{K}_{12,1}(01|02|123|12|01|03|23, 6) \Rightarrow 01|02|013|01|12|03|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|12|03|01|23$ ,  $(213456) \Rightarrow 01|02|123|12|02|03|13$ ,  
 $(213546) \Rightarrow 01|02|123|12|03|02|13$ ,  $(416523) \Rightarrow 01|02|123|12|03|03|13$  and  $(426513) \Rightarrow 01|02|123|12|03|03|23$

$\mathcal{K}_{13,4}(01|02|123|12|01|13|23, 5, 7) \Rightarrow 01|02|123|23|03|13|23$ ,  $01|02|123|23|01|13|12$  (Case 1).

$\mathcal{K}_{13,5}(01|02|123|12|01|13|23, 7) \Rightarrow 01|02|123|12|03|13|12$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|12|13|01|23$ ,  $(213456) \Rightarrow 01|02|123|12|02|23|13$ ,  
 $(213546) \Rightarrow 01|02|123|12|23|02|13$ ,  $(413562) \Rightarrow 01|02|023|03|13|13|23$ ,  $(416532) \Rightarrow 01|02|023|23|13|13|03$ ,  
 $(423561) \Rightarrow 01|02|013|03|23|23|13$  and  $(426531) \Rightarrow 01|02|013|13|23|23|03$

$\mathcal{K}_{23,4}(01|02|123|13|03|13|23, 5, 6) \Rightarrow 01|02|123|12|02|13|23$ ,  $01|02|123|12|03|12|23$  (Case 1 and 2).

$\mathcal{K}_{23,5}(01|02|123|13|03|13|23, 6) \Rightarrow 01|02|123|13|02|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|13|13|03|23$ ,  $(213456) \Rightarrow 01|02|123|23|03|23|13$ ,  
 $(213546) \Rightarrow 01|02|123|23|23|03|13$ ,  $(361452) \Rightarrow 01|02|012|13|03|01|23$ ,  $(361542) \Rightarrow 01|02|012|13|01|03|23$ ,  
 $(362451) \Rightarrow 01|02|012|23|03|02|13$ ,  $(362541) \Rightarrow 01|02|012|23|02|03|13$ ,  $(461352) \Rightarrow 01|02|012|03|13|01|23$ ,  
 $(462351) \Rightarrow 01|02|012|03|23|02|13$ ,  $(561342) \Rightarrow 01|02|012|03|01|13|23$  and  $(562341) \Rightarrow 01|02|012|03|02|23|13$

$\mathcal{K}_{12,3}(01|02|123|23|01|02|12, 6, 7) \Rightarrow 01|02|023|23|01|12|12$ ,  $01|02|023|23|01|02|02$  (Case 2).

$\mathcal{K}_{12,6}(01|02|123|23|01|02|12, 7) \Rightarrow 01|02|123|23|01|12|02$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|23|02|01|12$ ,  $(146253) \Rightarrow 01|01|023|02|12|12|23$ ,  
 $(213456) \Rightarrow 01|02|123|13|02|01|12$  and  $(213546) \Rightarrow 01|02|123|13|01|02|12$

$\mathcal{K}_{23,2}(01|23|012|01|02|23|13, \infty, 3, 6) \Rightarrow 01|02|012|01|12|23|03$ ,  $01|02|123|01|12|23|03$ ,  $01|02|012|01|12|02|13$   
(Case 1 and 2).

$\mathcal{K}_{23,3}(01|23|012|01|02|23|13, \infty, 6) \Rightarrow 01|23|023|01|02|23|13, 01|23|023|01|02|12|13$  (Case 1).

$\mathcal{K}_{23,1}(01|23|012|01|02|23|13, \infty) \Rightarrow 01|02|123|13|12|02|03$  (Case 1).

$\mathcal{K}_{23,6}(01|23|012|01|02|23|13, \infty) \Rightarrow 01|23|012|01|02|12|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|01|23|02|13, (143256) \Rightarrow 01|02|012|01|23|23|13, (146253) \Rightarrow 01|02|012|13|23|23|01, (213456) \Rightarrow 01|23|023|23|02|01|13, (213546) \Rightarrow 01|23|023|23|01|02|13, (243156) \Rightarrow 01|02|012|02|13|13|23$  and  $(246153) \Rightarrow 01|02|012|23|13|13|02$

$\mathcal{K}_{02,2}(01|23|012|02|02|23|23, \infty, 3, 6) \Rightarrow 01|02|012|12|12|23|23, 01|02|123|12|12|23|23, 01|02|012|12|12|02|23$  (Case 1 and 2).

$\mathcal{K}_{02,3}(01|23|012|02|02|23|23, \infty, 6) \Rightarrow 01|23|023|02|02|23|23, 01|23|023|02|02|12|23$  (Case 1).

$\mathcal{K}_{02,1}(01|23|012|02|02|23|23, \infty) \Rightarrow 01|02|123|12|12|02|02$  (Case 1).

$\mathcal{K}_{02,6}(01|23|012|02|02|23|23, \infty) \Rightarrow 01|23|012|02|02|12|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|02|23|02|23, (142356) \Rightarrow 01|02|012|02|23|23|23, (142653) \Rightarrow 01|02|012|23|23|23|02, (143652) \Rightarrow 01|23|012|02|23|23|02, (213456) \Rightarrow 01|23|023|02|02|01|01, (213546) \Rightarrow 01|23|023|02|01|02|01, (241356) \Rightarrow 01|02|012|01|13|13|13, (241653) \Rightarrow 01|02|012|13|13|13|01$  and  $(243651) \Rightarrow 01|23|023|02|01|01|02$

$\mathcal{K}_{13,4}(01|23|012|02|03|23|23, 3, 6, 7) \Rightarrow 01|23|023|23|12|23|23, 01|23|012|23|03|02|23, 01|23|012|23|03|23|02$  (Case 1).

$\mathcal{K}_{13,6}(01|23|012|02|03|23|23, 3, 7) \Rightarrow 01|23|023|12|13|12|23, 01|23|012|02|03|02|02$  (Case 1 and 2).

$\mathcal{K}_{13,3}(01|23|012|02|03|23|23, 7) \Rightarrow 01|23|023|12|13|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|02|23|03|23, (123645) \Rightarrow 01|23|012|02|23|23|03, (213456) \Rightarrow 01|23|023|02|12|01|01, (213546) \Rightarrow 01|23|023|02|01|12|01, (213645) \Rightarrow 01|23|023|02|01|01|12, (612345) \Rightarrow 01|02|023|12|01|01|23$  and  $(621345) \Rightarrow 01|02|013|12|02|02|13$

$\mathcal{K}_{02,4}(01|23|012|23|01|03|23, \infty, 5, 7) \Rightarrow 01|23|012|03|01|13|23, 01|23|012|03|12|13|23, 01|23|012|03|01|13|02$  (Case 1 and 2).

$\mathcal{K}_{02,5}(01|23|012|23|01|03|23, \infty, 7) \Rightarrow 01|23|012|23|02|03|23, 01|23|012|23|02|03|13$  (Case 1).

$\mathcal{K}_{02,2}(01|23|012|23|01|03|23, \infty) \Rightarrow 01|02|013|23|01|12|23$  (Case 1).

$\mathcal{K}_{02,7}(01|23|012|23|01|03|23, \infty) \Rightarrow 01|23|012|23|01|03|13$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|23|03|01|23, (213456) \Rightarrow 01|23|023|01|23|12|01, (213546) \Rightarrow 01|23|023|01|12|23|01$  and  $(412563) \Rightarrow 01|01|023|01|23|23|12$

$\mathcal{K}_{01,4}(01|23|023|02|01|23|03, 3, 5, 6) \Rightarrow 01|23|012|01|01|23|02, 01|23|023|01|02|23|03, 01|23|023|01|01|12|02$  (Case 1 and 2).

$\mathcal{K}_{01,5}(01|23|023|02|01|23|03, 3, 6) \Rightarrow 01|23|012|03|03|23|02, 01|23|023|02|02|13|03$  (Case 1).

$\mathcal{K}_{01,3}(01|23|023|02|01|23|03, 6) \Rightarrow 01|23|012|03|01|12|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|02|23|01|03, (213456) \Rightarrow 01|23|012|02|23|01|12, (213546) \Rightarrow 01|23|012|02|01|23|12, (413625) \Rightarrow 01|01|012|02|23|12|23$  and  $(513624) \Rightarrow 01|01|012|02|12|23|23$

$\mathcal{K}_{02,4}(01|23|023|02|12|23|23, \infty, 6, 7) \Rightarrow 01|23|023|23|12|23|23, 01|23|023|23|12|02|23, 01|23|023|23|12|23|$   
(Case 1 and 2).

$\mathcal{K}_{02,6}(01|23|023|02|12|23|23, \infty, 7) \Rightarrow 01|23|023|02|12|02|23, 01|23|023|02|12|02|02$  (Case 1).

$\mathcal{K}_{02,2}(01|23|023|02|12|23|23, \infty) \Rightarrow 01|02|023|02|12|23|23$  (Case 2).

$\mathcal{K}_{02,7}(01|23|023|02|12|23|23, \infty) \Rightarrow 01|23|023|02|12|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|02|23|12|23, (213456) \Rightarrow 01|23|012|02|03|01|01$   
and  $(213546) \Rightarrow 01|23|012|02|01|03|01$

$\mathcal{K}_{01,2}(01|23|023|02|23|12|12, 4, 5) \Rightarrow 01|02|023|23|23|12|12, 01|02|023|02|02|12|12$  (Case 1).

$\mathcal{K}_{01,4}(01|23|023|02|23|12|12, 5) \Rightarrow 01|23|023|23|02|12|12$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|02|12|23|12, (213456) \Rightarrow 01|23|012|02|01|03|03,$   
 $(213546) \Rightarrow 01|23|012|02|03|01|03, (314256) \Rightarrow 01|01|012|23|02|03|03$  and  $(315246) \Rightarrow 01|01|012|23|03|02|03$

$\mathcal{K}_{01,4}(01|23|023|12|01|23|13, \infty, 5, 6) \Rightarrow 01|23|023|01|01|23|12, 01|23|023|01|12|23|13, 01|23|023|01|01|02|$   
(Case 1 and 2).

$\mathcal{K}_{01,5}(01|23|023|12|01|23|13, \infty, 6) \Rightarrow 01|23|023|12|12|23|13, 01|23|023|12|12|03|13$  (Case 1).

$\mathcal{K}_{01,2}(01|23|023|12|01|23|13, \infty) \Rightarrow 01|02|023|13|01|23|12$  (Case 1).

$\mathcal{K}_{01,6}(01|23|023|12|01|23|13, \infty) \Rightarrow 01|23|023|12|01|03|13$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|12|23|01|13, (213456) \Rightarrow 01|23|012|03|23|01|13$   
and  $(213546) \Rightarrow 01|23|012|03|01|23|13$

$\mathcal{K}_{13,7}(01|23|023|23|01|02|03, \infty, 1, 2, 4, 5) \Rightarrow 01|23|023|23|01|02|23, 01|02|023|02|13|03|02,$   
 $01|02|023|23|01|03|23, 01|23|023|02|01|03|23, 01|23|023|23|12|02|23$  (Case 1 and 2).

$\mathcal{K}_{13,4}(01|23|023|23|01|02|03, \infty, 5) \Rightarrow 01|23|023|02|01|03|02, 01|23|023|02|13|03|02$  (Case 1).

$\mathcal{K}_{13,2}(01|23|023|23|01|02|03, \infty) \Rightarrow 01|02|023|23|01|03|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|23|02|01|03, (213456) \Rightarrow 01|23|012|01|23|02|12$   
and  $(213546) \Rightarrow 01|23|012|01|02|23|12$

$\mathcal{K}_{02,\infty}(01|01|012|23|01|03|03, 3, 6, 7) \Rightarrow 01|01|012|23|01|02|02, 01|01|012|23|01|02|03, 01|01|012|23|01|03|$   
(Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|01|012|23|03|01|03, (132645) \Rightarrow 01|23|012|01|03|03|01,$   
 $(134526) \Rightarrow 01|02|013|01|23|01|02, (134625) \Rightarrow 01|02|013|01|23|02|01, (135426) \Rightarrow 01|02|013|01|01|23|02,$   
 $(135624) \Rightarrow 01|02|013|01|02|23|01, (231645) \Rightarrow 01|23|023|23|12|12|23, (234516) \Rightarrow 01|02|023|02|13|02|01,$   
 $(234615) \Rightarrow 01|02|023|02|13|01|02, (235416) \Rightarrow 01|02|023|02|02|13|01$  and  $(235614) \Rightarrow 01|02|023|02|01|13|02$

$\mathcal{K}_{01,\infty}(01|02|012|01|02|02|02, 1, 3, 4) \Rightarrow 01|02|023|03|02|02|02, 01|02|023|01|02|02|02, 01|02|012|03|02|02|$   
(Case 1 and 2).

Free by vertex permutation:  $(132456) \Rightarrow 01|01|012|02|02|02|02$  and  $(213456) \Rightarrow 01|02|012|02|01|01|01$

$\mathcal{K}_{12,\infty}(01|02|012|01|23|02|12, 2, 6, 7) \Rightarrow 01|02|012|01|23|12|02, 01|02|012|01|23|12|12, 01|02|012|01|23|02|$   
(Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|02|23|12$ ,  $(213456) \Rightarrow 01|02|012|02|13|01|12$ ,  
 $(213546) \Rightarrow 01|02|012|02|01|13|12$ ,  $(316425) \Rightarrow 01|01|012|02|13|12|02$  and  $(316524) \Rightarrow 01|01|012|02|12|13|02$

$\mathcal{K}_{02,\infty}(01|02|012|02|01|13|23, 1, 5, 7) \Rightarrow 01|02|012|02|12|13|03$ ,  $01|02|012|02|12|13|23$ ,  $01|02|012|02|01|13|02$   
(Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|13|01|23$ ,  $(136245) \Rightarrow 01|01|012|02|13|23|02$ ,  
 $(136254) \Rightarrow 01|01|012|02|23|13|02$ ,  $(213456) \Rightarrow 01|02|012|01|02|23|13$  and  $(213546) \Rightarrow 01|02|012|01|23|02|13$

$\mathcal{K}_{01,\infty}(01|02|012|02|03|02|02, 1, 3, 5) \Rightarrow 01|02|023|02|01|02|02$ ,  $01|02|023|02|03|02|02$ ,  $01|02|012|02|01|02|02$   
(Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|02|03|02$ ,  $(213456) \Rightarrow 01|02|012|01|03|01|01$ ,  
 $(213546) \Rightarrow 01|02|012|01|01|03|01$ ,  $(312456) \Rightarrow 01|01|012|02|03|01|01$ ,  $(312546) \Rightarrow 01|01|012|02|01|03|01$   
and  $(312645) \Rightarrow 01|01|012|02|01|01|03$

$\mathcal{K}_{01,\infty}(01|02|012|02|23|02|02, 1, 3, 5) \Rightarrow 01|02|023|02|12|02|02$ ,  $01|02|023|02|23|02|02$ ,  $01|02|012|02|12|02|02$   
(Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|02|23|02$ ,  $(213456) \Rightarrow 01|02|012|01|13|01|01$ ,  
 $(213546) \Rightarrow 01|02|012|01|01|13|01$ ,  $(312456) \Rightarrow 01|01|012|02|13|01|01$  and  $(312546) \Rightarrow 01|01|012|02|01|13|01$

$\mathcal{K}_{01,\infty}(01|02|012|03|02|23|23, 2, 4, 5) \Rightarrow 01|02|012|13|12|23|23$ ,  $01|02|012|13|02|23|23$ ,  $01|02|012|03|12|23|23$   
(Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|23|02|23$ ,  $(134526) \Rightarrow 01|23|012|02|03|02|23$ ,  
 $(135426) \Rightarrow 01|23|012|02|02|03|23$ ,  $(213456) \Rightarrow 01|02|012|03|01|13|13$ ,  $(213546) \Rightarrow 01|02|012|03|13|01|13$ ,  
 $(234516) \Rightarrow 01|23|023|02|12|02|01$ ,  $(235416) \Rightarrow 01|23|023|02|02|12|01$ ,  $(345612) \Rightarrow 01|01|023|23|02|12|02$   
and  $(354612) \Rightarrow 01|01|023|23|12|02|02$

$\mathcal{K}_{01,\infty}(01|02|012|12|02|02|02, 1, 3, 4) \Rightarrow 01|02|023|23|02|02|02$ ,  $01|02|023|12|02|02|02$ ,  $01|02|012|23|02|02|02$   
(Case 1 and 2).

Free by vertex permutation:  $(126345) \Rightarrow 01|02|012|02|02|02|12$ ,  $(213456) \Rightarrow 01|02|012|12|01|01|01$   
and  $(216345) \Rightarrow 01|02|012|01|01|01|12$

$\mathcal{K}_{02,\infty}(01|02|012|12|12|02|02, 1, 2, 3, 6, 7) \Rightarrow 01|23|023|02|02|23|23$ ,  $01|23|012|02|02|12|12$ ,  
 $01|02|123|12|12|02|02$ ,  $01|02|012|12|12|23|02$ ,  $01|02|012|12|12|02|23$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|02|12|02$ ,  $(124536) \Rightarrow 01|02|012|02|12|12|02$ ,  
 $(213456) \Rightarrow 01|02|012|12|12|01|01$ ,  $(213546) \Rightarrow 01|02|012|12|01|12|01$  and  $(214536) \Rightarrow 01|02|012|01|12|12|01$

$\mathcal{K}_{12,\infty}(01|02|012|12|13|02|02, 2, 4, 5, 6, 7) \Rightarrow 01|02|012|02|03|12|12$ ,  $01|02|012|02|13|02|02$ ,  
 $01|02|012|12|03|02|02$ ,  $01|02|012|12|13|12|02$ ,  $01|02|012|12|13|02|12$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|02|13|02$ ,  $(213456) \Rightarrow 01|02|012|12|23|01|01$ ,  
 $(213546) \Rightarrow 01|02|012|12|01|23|01$ ,  $(312645) \Rightarrow 01|02|012|12|01|01|23$  and  $(321645) \Rightarrow 01|02|012|12|02|02|13$

$\mathcal{K}_{02,\infty}(01|02|012|13|02|02|03, 1, 3, 7) \Rightarrow 01|02|023|13|02|02|01$ ,  $01|02|023|13|02|02|03$ ,  $01|02|012|13|02|02|01$   
(Case 1 and 2).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|23|01|01|03$



$\mathcal{K}_{02,\infty}(01|02|012|13|02|02|23, 1, 3, 7) \Rightarrow 01|02|023|13|02|02|12, 01|02|023|13|02|02|23, 01|02|012|13|02|02|12$  (Case 1 and 2).

Free by vertex permutation:  $(213456) \Rightarrow 01|02|012|23|01|01|13$

$\mathcal{K}_{23,\infty}(01|02|012|13|12|02|03, 1, 2, 3, 4, 6) \Rightarrow 01|23|023|01|02|23|13, 01|23|012|03|02|12|13, 01|02|123|13|12|02|03, 01|02|012|01|12|02|03, 01|02|012|13|12|23|03$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|02|12|03, (213456) \Rightarrow 01|02|012|23|12|01|03$  and  $(213546) \Rightarrow 01|02|012|23|01|12|03$

$\mathcal{K}_{12,\infty}(01|02|012|23|01|23|03, 1, 4, 5, 6, 7) \Rightarrow 01|02|012|03|12|03|23, 01|02|012|03|01|23|03, 01|02|012|23|12|23|03, 01|02|012|23|01|03|03, 01|02|012|23|01|23|23$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|23|23|01|03, (213456) \Rightarrow 01|02|012|13|02|13|03, (213546) \Rightarrow 01|02|012|13|13|02|03, (361425) \Rightarrow 01|01|023|23|23|12|02, (361524) \Rightarrow 01|01|023|23|12|23|02, (431526) \Rightarrow 01|01|023|02|23|23|12, (431625) \Rightarrow 01|01|023|02|23|12|23$  and  $(531624) \Rightarrow 01|01|023|02|12|23|23$

$\mathcal{K}_{01,\infty}(01|02|013|01|03|02|02, 1, 4, 5) \Rightarrow 01|02|013|03|01|02|02, 01|02|013|03|03|02|02, 01|02|013|01|01|02|02$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|01|02|03|02, (213456) \Rightarrow 01|02|023|02|03|01|01$  and  $(213546) \Rightarrow 01|02|023|02|01|03|01$

$\mathcal{K}_{01,\infty}(01|02|013|01|23|02|02, 1, 4, 5) \Rightarrow 01|02|013|03|12|02|02, 01|02|013|03|23|02|02, 01|02|013|01|12|02|02$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|01|02|23|02, (213456) \Rightarrow 01|02|023|02|13|01|01$  and  $(213546) \Rightarrow 01|02|023|02|01|13|01$

$\mathcal{K}_{23,\infty}(01|02|013|03|01|23|23, 2, 3, 4) \Rightarrow 01|02|012|02|01|23|23, 01|02|012|03|01|23|23, 01|02|013|02|01|23|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|03|23|01|23, (146523) \Rightarrow 01|23|012|23|03|01|02, (156423) \Rightarrow 01|23|012|23|01|03|02, (213456) \Rightarrow 01|02|023|03|02|13|13, (213546) \Rightarrow 01|02|023|03|13|02|13, (246513) \Rightarrow 01|23|023|01|12|23|02$  and  $(256413) \Rightarrow 01|23|023|01|23|12|02$

$\mathcal{K}_{01,\infty}(01|02|013|12|12|23|23, 2, 4, 5) \Rightarrow 01|02|013|02|02|23|23, 01|02|013|02|12|23|23, 01|02|013|12|02|23|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|23|12|23, (163425) \Rightarrow 01|23|012|03|03|23|13, (163524) \Rightarrow 01|23|012|03|23|03|13, (213456) \Rightarrow 01|02|023|12|12|13|13, (213546) \Rightarrow 01|02|023|12|13|12|13, (263415) \Rightarrow 01|23|023|12|12|01|13, (263514) \Rightarrow 01|23|023|12|01|12|13, (314625) \Rightarrow 01|02|123|13|03|02|03, (315624) \Rightarrow 01|02|123|13|02|03|03, (324615) \Rightarrow 01|02|123|23|03|01|03$  and  $(325614) \Rightarrow 01|02|123|23|01|03|03$

$\mathcal{K}_{01,\infty}(01|02|013|12|13|23|23, 2, 4, 5) \Rightarrow 01|02|013|02|03|23|23, 01|02|013|02|13|23|23, 01|02|013|12|03|23|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|23|13|23, (163425) \Rightarrow 01|23|012|03|02|23|13, (163524) \Rightarrow 01|23|012|03|23|02|13, (213456) \Rightarrow 01|02|023|12|23|13|13, (213546) \Rightarrow 01|02|023|12|13|23|13, (263415) \Rightarrow 01|23|023|12|02|01|13, (263514) \Rightarrow 01|23|023|12|01|02|13, (316425) \Rightarrow 01|02|123|13|23|02|03, (316524) \Rightarrow 01|02|123|13|02|23|03, (326415) \Rightarrow 01|02|123|23|13|01|03$  and  $(326514) \Rightarrow 01|02|123|23|01|13|03$

$\mathcal{K}_{23,\infty}(01|02|013|13|01|23|23, 2, 3, 4) \Rightarrow 01|02|012|12|01|23|23, 01|02|012|13|01|23|23, 01|02|013|12|01|23|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|13|23|01|23, (146523) \Rightarrow 01|23|012|23|03|01|12, (156423) \Rightarrow 01|23|012|23|01|03|12, (213456) \Rightarrow 01|02|023|23|02|13|13, (213546) \Rightarrow 01|02|023|23|13|02|13, (246513) \Rightarrow 01|23|023|01|12|23|03$  and  $(256413) \Rightarrow 01|23|023|01|23|12|03$

$\mathcal{K}_{02,\infty}(01|02|013|13|02|03|03, 1, 6, 7) \Rightarrow 01|02|013|13|02|01|01, 01|02|013|13|02|01|03, 01|02|013|13|02|03|03$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|13|03|02|03, (213456) \Rightarrow 01|02|023|23|01|03|03, (213546) \Rightarrow 01|02|023|23|03|01|03, (612435) \Rightarrow 01|23|023|02|01|02|03, (612534) \Rightarrow 01|23|023|02|02|01|03, (621435) \Rightarrow 01|23|012|02|23|02|12$  and  $(621534) \Rightarrow 01|23|012|02|02|23|12$

$\mathcal{K}_{03,\infty}(01|02|013|13|02|23|03, 1, 6, 7) \Rightarrow 01|02|013|13|02|12|01, 01|02|013|13|02|12|03, 01|02|013|13|02|23|03$  (Case 1 and 2).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|013|13|02|03|23, (123546) \Rightarrow 01|02|013|13|23|02|03, (123564) \Rightarrow 01|02|013|13|03|02|23, (213456) \Rightarrow 01|02|023|23|01|13|03, (213465) \Rightarrow 01|02|023|23|01|03|13, (213546) \Rightarrow 01|02|023|23|13|01|03, (213564) \Rightarrow 01|02|023|23|03|01|13, (612453) \Rightarrow 01|23|023|02|01|12|03, (612543) \Rightarrow 01|23|023|02|12|01|03, (621453) \Rightarrow 01|23|012|02|23|03|12$  and  $(621543) \Rightarrow 01|23|012|02|03|23|12$

$\mathcal{K}_{02,\infty}(01|02|013|13|02|23|23, 1, 6, 7) \Rightarrow 01|02|013|13|02|12|12, 01|02|013|13|02|12|23, 01|02|013|13|02|23|23$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|13|23|02|23, (213456) \Rightarrow 01|02|023|23|01|13|13$  and  $(213546) \Rightarrow 01|02|023|23|13|01|13$

$\mathcal{K}_{02,\infty}(01|02|013|23|01|12|02, 1, 2, 4, 5, 7) \Rightarrow 01|23|012|03|12|13|23, 01|23|012|23|01|03|13, 01|02|013|02|01|12|02, 01|02|013|23|13|12|02, 01|02|013|23|01|12|23$  (Case 1 and 2).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|013|23|01|02|12, (123546) \Rightarrow 01|02|013|23|12|01|02, (123564) \Rightarrow 01|02|013|23|02|01|12, (213456) \Rightarrow 01|02|023|13|02|12|01, (213465) \Rightarrow 01|02|023|13|02|01|12, (213546) \Rightarrow 01|02|023|13|12|02|01$  and  $(213564) \Rightarrow 01|02|023|13|01|02|12$

$\mathcal{K}_{12,\infty}(01|02|023|02|12|23|02, 1, 2, 4, 6, 7) \Rightarrow 01|23|023|23|12|02|23, 01|23|023|02|12|23|02, 01|02|023|23|12|23|02, 01|02|023|02|12|02|02, 01|02|023|02|12|23|23$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|02|23|12|02, (213456) \Rightarrow 01|02|013|01|12|13|01$  and  $(213546) \Rightarrow 01|02|013|01|13|12|01$

$\mathcal{K}_{23,\infty}(01|02|023|03|12|23|23, 2, 4, 5) \Rightarrow 01|02|023|02|13|23|23, 01|02|023|02|12|23|23, 01|02|023|03|13|23|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|03|23|12|23, (146523) \Rightarrow 01|23|023|23|02|12|03, (156423) \Rightarrow 01|23|023|23|12|02|03, (213456) \Rightarrow 01|02|013|03|12|13|13, (213546) \Rightarrow 01|02|013|03|13|12|13, (246513) \Rightarrow 01|23|012|01|02|03|12$  and  $(256413) \Rightarrow 01|23|012|01|03|02|12$

$\mathcal{K}_{01,\infty}(01|02|123|01|23|02|02, 1, 4, 5) \Rightarrow 01|02|123|03|12|02|02, 01|02|123|03|23|02|02, 01|02|123|01|12|02|02$  (Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|01|02|23|02$ ,  $(132456) \Rightarrow 01|01|023|12|23|12|12$ ,  
 $(132546) \Rightarrow 01|01|023|12|12|23|12$ ,  $(213456) \Rightarrow 01|02|123|02|13|01|01$  and  $(213546) \Rightarrow 01|02|123|02|01|13|01$

$\mathcal{K}_{01,\infty}(01|02|123|02|03|23|02, 1, 5, 6) \Rightarrow 01|02|123|02|01|12|02$ ,  $01|02|123|02|01|23|02$ ,  $01|02|123|02|03|12|02$   
(Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|23|03|02$ ,  $(213456) \Rightarrow 01|02|123|01|03|13|01$ ,  
 $(213546) \Rightarrow 01|02|123|01|13|03|01$ ,  $(312456) \Rightarrow 01|01|023|12|13|03|01$ ,  $(312546) \Rightarrow 01|01|023|12|03|13|01$ ,  
 $(312645) \Rightarrow 01|01|023|12|03|01|13$ ,  $(312654) \Rightarrow 01|01|023|12|01|03|13$ ,  $(413265) \Rightarrow 01|02|123|01|03|01|12$ ,  
 $(413625) \Rightarrow 01|02|023|01|13|01|12$ ,  $(415236) \Rightarrow 01|02|123|12|03|01|01$ ,  $(415326) \Rightarrow 01|02|023|12|13|01|01$ ,  
 $(423165) \Rightarrow 01|02|123|02|03|02|12$ ,  $(423615) \Rightarrow 01|02|013|02|23|02|12$ ,  $(425136) \Rightarrow 01|02|123|12|03|02|02$ ,  
 $(425316) \Rightarrow 01|02|013|12|23|02|02$ ,  $(513264) \Rightarrow 01|02|123|01|01|03|12$ ,  $(513624) \Rightarrow 01|02|023|01|01|13|12$ ,  
 $(514236) \Rightarrow 01|02|123|12|01|03|01$ ,  $(514326) \Rightarrow 01|02|023|12|01|13|01$ ,  $(523164) \Rightarrow 01|02|123|02|02|03|12$ ,  
 $(523614) \Rightarrow 01|02|013|02|02|23|12$ ,  $(524136) \Rightarrow 01|02|123|12|02|03|02$  and  $(524316) \Rightarrow 01|02|013|12|02|23|02$

$\mathcal{K}_{01,\infty}(01|02|123|12|23|02|02, 1, 4, 5) \Rightarrow 01|02|123|23|12|02|02$ ,  $01|02|123|23|23|02|02$ ,  $01|02|123|12|12|02|02$   
(Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|12|02|23|02$ ,  $(126435) \Rightarrow 01|02|123|02|23|02|12$ ,  
 $(126534) \Rightarrow 01|02|123|02|02|23|12$ ,  $(213456) \Rightarrow 01|02|123|12|13|01|01$ ,  $(213546) \Rightarrow 01|02|123|12|01|13|01$ ,  
 $(216435) \Rightarrow 01|02|123|01|13|01|12$ ,  $(216534) \Rightarrow 01|02|123|01|01|13|12$ ,  $(612435) \Rightarrow 01|02|023|01|03|01|12$ ,  
 $(612534) \Rightarrow 01|02|023|01|01|03|12$ ,  $(621435) \Rightarrow 01|02|013|02|03|02|12$  and  $(621534) \Rightarrow 01|02|013|02|02|03|12$

$\mathcal{K}_{02,\infty}(01|02|123|13|02|23|23, 1, 6, 7) \Rightarrow 01|02|123|13|02|12|12$ ,  $01|02|123|13|02|12|23$ ,  $01|02|123|13|02|23|12$   
(Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|13|23|02|23$ ,  $(213456) \Rightarrow 01|02|123|23|01|13|13$   
and  $(213546) \Rightarrow 01|02|123|23|13|01|13$

$\mathcal{K}_{01,\infty}(01|23|012|03|02|03|23, 4, 5, 6) \Rightarrow 01|23|012|03|12|13|23$ ,  $01|23|012|03|12|03|23$ ,  $01|23|012|03|02|13|23$   
(Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|03|03|02|23$ ,  $(213456) \Rightarrow 01|23|023|12|02|12|01$ ,  
 $(213546) \Rightarrow 01|23|023|12|12|02|01$ ,  $(314562) \Rightarrow 01|01|023|23|12|02|12$ ,  $(315462) \Rightarrow 01|01|023|23|02|12|12$ ,  
 $(415263) \Rightarrow 01|02|023|01|23|12|12$ ,  $(425163) \Rightarrow 01|02|013|02|13|12|12$ ,  $(431256) \Rightarrow 01|02|023|12|03|01|12$ ,  
 $(432156) \Rightarrow 01|02|013|12|03|02|12$ ,  $(514263) \Rightarrow 01|02|023|01|12|23|12$ ,  $(524163) \Rightarrow 01|02|013|02|12|13|12$ ,  
 $(531246) \Rightarrow 01|02|023|12|01|03|12$ ,  $(532146) \Rightarrow 01|02|013|12|02|03|12$ ,  $(641235) \Rightarrow 01|02|023|01|12|12|03$ ,  
 $(641325) \Rightarrow 01|01|023|02|12|12|03$  and  $(642135) \Rightarrow 01|02|013|02|12|12|03$

$\mathcal{K}_{01,\infty}(01|23|023|12|13|23|23, 3, 4, 5) \Rightarrow 01|23|023|02|03|23|23$ ,  $01|23|023|02|13|23|23$ ,  $01|23|023|12|03|23|23$   
(Case 1 and 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|12|23|13|23$ ,  $(213456) \Rightarrow 01|23|012|03|13|01|01$ ,  
 $(213546) \Rightarrow 01|23|012|03|01|13|01$ ,  $(314625) \Rightarrow 01|01|012|23|03|01|13$ ,  $(315624) \Rightarrow 01|01|012|23|01|03|13$ ,  
 $(412536) \Rightarrow 01|02|013|01|23|12|01$ ,  $(412635) \Rightarrow 01|02|013|01|23|01|12$ ,  $(421536) \Rightarrow 01|02|023|02|13|12|02$ ,  
 $(421635) \Rightarrow 01|02|023|02|13|02|12$ ,  $(512436) \Rightarrow 01|02|013|01|12|23|01$ ,  $(512634) \Rightarrow 01|02|013|01|01|23|12$ ,  
 $(521436) \Rightarrow 01|02|023|02|12|13|02$  and  $(521634) \Rightarrow 01|02|023|02|02|13|12$



01|02|023|12|13|01|02, 01|02|023|12|01|13|02, 01|02|013|12|23|02|01, 01|02|013|12|02|23|01, 01|02|023|12|13|  
 01|02|023|12|02|13|02, 01|02|013|12|23|01|01, 01|02|013|12|01|23|01, 01|02|023|13|01|03|23, 01|02|023|13|03|  
 01|02|023|03|13|01|23, 01|02|023|03|01|13|23, 01|02|013|23|02|03|13, 01|02|013|23|03|02|13, 01|02|013|03|23|  
 01|02|013|03|02|23|13, 01|02|023|13|02|13|23, 01|02|023|13|13|02|23, 01|02|013|23|01|23|13, 01|02|013|23|23|  
 01|02|023|23|13|02|03, 01|02|023|23|02|13|03, 01|02|023|03|13|02|23, 01|02|023|03|02|13|23, 01|02|013|13|23|  
 01|02|013|13|01|23|03, 01|02|013|03|23|01|13, 01|02|013|03|01|23|13, 01|01|012|02|13|12|23, 01|01|012|02|03|  
 01|01|012|02|12|13|23, 01|01|012|02|23|03|12, 01|02|123|01|03|02|02, 01|02|123|01|02|03|02, 01|01|023|12|13|  
 01|01|023|12|12|13|12, 01|02|123|02|03|01|01, 01|02|123|02|01|03|01, 01|01|023|12|12|13|01, 01|01|023|12|13|  
 01|02|123|01|03|03|01, 01|01|023|12|13|13|01, 01|01|023|01|12|12|13, 01|01|023|01|12|13|12, 01|02|123|02|03|  
 01|01|023|01|12|13|13, 01|02|123|01|03|02|12, 01|02|123|01|02|03|12, 01|02|123|02|03|01|12, 01|02|123|02|01|  
 01|02|123|01|13|01|02, 01|02|123|01|01|13|02, 01|02|023|13|01|01|13, 01|02|123|02|23|02|01, 01|02|123|02|02|  
 01|02|013|23|02|02|23, 01|23|023|01|12|12|12, 01|23|012|23|03|03|03, 01|02|123|02|03|01|02, 01|02|123|02|01|  
 01|02|123|02|02|03|01, 01|02|123|02|03|02|01, 01|02|123|01|03|02|01, 01|02|123|01|02|03|01, 01|02|123|01|01|  
 01|02|123|01|03|01|02, 01|02|123|02|23|02|02, 01|02|123|02|02|23|02, 01|02|123|02|02|02|23, 01|02|123|01|13|  
 01|02|123|01|01|13|01, 01|02|123|01|01|01|13, 01|01|023|12|03|01|01, 01|01|023|12|01|03|01, 01|02|123|02|23|  
 01|02|123|02|03|23|03, 01|02|123|01|13|03|03, 01|02|123|01|03|13|03, 01|02|123|03|01|02|02, 01|02|123|03|02|  
 01|02|123|03|02|01|01, 01|02|123|03|01|02|01, 01|02|123|03|01|03|23, 01|02|123|03|03|01|23, 01|02|123|03|02|  
 01|02|123|03|03|02|13, 01|02|123|03|02|23|23, 01|02|123|03|23|02|23, 01|02|123|03|01|13|13, 01|02|123|03|13|  
 01|01|023|02|13|12|02, 01|01|023|02|12|13|02, 01|02|123|12|03|01|02, 01|02|123|12|01|03|02, 01|02|123|13|03|  
 01|02|123|12|03|02|01, 01|02|123|12|02|03|01, 01|02|123|23|03|03|02, 01|23|012|03|13|13|03, 01|23|023|12|13|  
 01|02|123|02|03|03|23, 01|02|123|01|03|03|13, 01|02|013|23|12|12|02, 01|02|023|13|12|12|01, 01|02|123|12|03|  
 01|02|123|12|03|23|13, 01|02|123|12|13|03|23, 01|02|123|12|23|03|13, 01|02|023|23|13|12|03, 01|02|023|23|12|  
 01|02|013|13|23|12|03, 01|02|013|13|12|23|03, 01|02|123|12|13|03|02, 01|02|123|12|03|13|02, 01|02|123|12|23|  
 01|02|123|12|03|23|01, 01|01|023|02|23|13|12, 01|01|023|02|13|23|12, 01|02|123|13|01|13|23, 01|02|123|13|13|  
 01|01|023|02|13|23|02, 01|01|023|02|23|13|02, 01|02|123|23|02|23|13, 01|02|123|23|23|02|13, 01|23|023|23|12|  
 01|23|012|01|03|03|12, 01|01|012|23|03|03|12, 01|02|123|13|02|03|23, 01|02|123|13|03|02|23, 01|02|123|23|02|  
 01|02|123|23|03|02|13, 01|02|123|23|01|03|13, 01|02|123|23|03|01|13, 01|02|123|13|01|03|23, 01|02|123|13|03|  
 01|02|123|23|02|03|03, 01|02|123|23|03|02|03, 01|02|123|13|01|03|03, 01|02|123|13|03|01|03, 01|02|013|02|12|  
 01|02|023|01|12|12|13, 01|02|123|23|02|23|03, 01|02|123|23|23|02|03, 01|02|123|13|01|13|03, 01|02|123|13|13|  
 01|02|123|23|23|03|03, 01|02|123|23|03|23|03, 01|23|023|23|12|12|13, 01|02|123|13|13|03|03, 01|02|123|13|03|  
 01|23|012|01|03|03|13, 01|01|012|03|23|13|03, 01|02|013|01|23|02|12, 01|02|023|02|13|01|12, 01|01|012|03|13|  
 01|02|013|01|02|23|12, 01|02|023|02|01|13|12, 01|23|012|01|03|23|12, 01|23|012|01|23|03|12, 01|23|023|23|12|  
 01|23|023|23|01|12|03, 01|23|012|03|01|03|02, 01|23|012|03|03|01|02, 01|01|012|03|03|02|23, 01|01|012|03|02|  
 01|23|023|12|23|12|02, 01|23|023|12|12|23|02, 01|23|012|03|01|23|23, 01|23|012|03|23|01|23, 01|23|023|12|23|  
 01|23|023|12|01|23|01, 01|23|012|03|02|23|23, 01|23|012|03|23|02|23, 01|23|023|12|02|01|01, 01|23|023|12|01|  
 01|23|012|03|03|23|23, 01|23|012|03|23|03|23, 01|23|023|12|12|01|01, 01|23|023|12|01|12|01, 01|23|023|12|12|  
 01|23|023|12|23|12|23, 01|23|012|03|03|01|01, 01|23|012|03|01|03|01, 01|02|013|02|23|01|01, 01|02|023|01|13|  
 01|02|013|02|01|23|01, 01|02|023|01|02|13|02, 01|23|023|12|13|23|02, 01|23|023|12|23|13|02, 01|23|012|03|13|  
 01|23|012|03|01|13|02, 01|23|023|23|01|12|13, 01|23|023|23|12|01|13, 01|23|012|01|23|03|13, 01|23|012|01|03|  
 01|01|012|23|23|03|13, 01|01|012|23|03|23|13, 01|01|012|03|23|13|23 *or* 01|01|012|03|13|23|23.

$\mathcal{K}_{13,\infty}(01|01|012|02|01|01|01, 1, 2, 5, 6, 7) \Rightarrow 01|02|012|12|02|02|02, 01|02|012|12|01|01|01,$   
 $01|01|012|02|12|01|01, 01|01|012|02|01|12|01, 01|01|012|02|01|01|12$  (Case 2 and 3).

$\mathcal{K}_{13,\infty}(01|02|012|01|01|02|02, 2, 6, 7) \Rightarrow 01|02|012|01|01|12|12, 01|02|012|01|01|12|02, 01|02|012|01|01|02|12$   
(Case 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|02|01|02, (124635) \Rightarrow 01|02|012|02|01|02|01$   
and  $(125634) \Rightarrow 01|02|012|02|02|01|01$

$\mathcal{K}_{02,\infty}(01|02|012|01|13|23|02, 2, 5, 7) \Rightarrow 01|02|012|01|03|23|12, 01|02|012|01|03|23|02, 01|02|012|01|13|23|12$   
(Case 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|23|13|02, (213456) \Rightarrow 01|02|012|02|23|13|01$   
and  $(213546) \Rightarrow 01|02|012|02|13|23|01$

$\mathcal{K}_{01,\infty}(01|02|012|02|01|03|23, 2, 4, 6) \Rightarrow 01|02|012|12|01|13|23, 01|02|012|12|01|03|23, 01|02|012|02|01|13|23$   
(Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|02|03|01|23, (213456) \Rightarrow 01|02|012|01|02|03|13$   
and  $(213546) \Rightarrow 01|02|012|01|03|02|13$

$\mathcal{K}_{01,\infty}(01|02|012|13|13|23|23, 2, 4, 5) \Rightarrow 01|02|012|03|03|23|23, 01|02|012|03|13|23|23, 01|02|012|13|03|23|23$   
(Case 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|23|13|23, (213456) \Rightarrow 01|02|012|23|23|13|13,$   
 $(213546) \Rightarrow 01|02|012|23|13|23|13, (613425) \Rightarrow 01|02|013|23|23|02|13, (613524) \Rightarrow 01|02|013|23|02|23|13,$   
 $(623415) \Rightarrow 01|02|023|13|13|01|23$  and  $(623514) \Rightarrow 01|02|023|13|01|13|23$

$\mathcal{K}_{03,\infty}(01|02|013|02|03|02|02, 2, 4, 5, 6, 7) \Rightarrow 01|02|013|12|13|12|12, 01|02|013|12|03|02|02,$   
 $01|02|013|02|13|02|02, 01|02|013|02|03|12|02, 01|02|013|02|03|02|12$  (Case 1, 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|02|02|03|02, (213456) \Rightarrow 01|02|023|01|03|01|01,$   
 $(213546) \Rightarrow 01|02|023|01|01|03|01, (312456) \Rightarrow 01|01|023|02|03|01|01$  and  $(312546) \Rightarrow 01|01|023|02|01|03|01$

$\mathcal{K}_{01,\infty}(01|02|013|03|03|23|23, 2, 4, 5) \Rightarrow 01|02|013|13|13|23|23, 01|02|013|13|03|23|23, 01|02|013|03|13|23|23$   
(Case 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|03|23|03|23, (123645) \Rightarrow 01|02|013|03|23|23|03,$   
 $(213456) \Rightarrow 01|02|023|03|03|13|13, (213546) \Rightarrow 01|02|023|03|13|03|13, (213645) \Rightarrow 01|02|023|03|13|13|03,$   
 $(312645) \Rightarrow 01|02|023|03|12|12|02, (321645) \Rightarrow 01|02|013|03|12|12|01, (451326) \Rightarrow 01|02|013|01|13|12|02,$   
 $(452316) \Rightarrow 01|02|023|02|23|12|01, (541326) \Rightarrow 01|02|013|01|12|13|02$  and  $(542316) \Rightarrow 01|02|023|02|12|23|01$

$\mathcal{K}_{13,\infty}(01|02|013|13|12|13|23, 1, 5, 7) \Rightarrow 01|02|013|13|23|13|12, 01|02|013|13|23|13|23, 01|02|013|13|12|13|23$   
(Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|13|13|12|23, (213456) \Rightarrow 01|02|023|23|12|23|13,$   
 $(213546) \Rightarrow 01|02|023|23|23|12|13, (451236) \Rightarrow 01|02|013|01|03|23|12, (452136) \Rightarrow 01|02|023|02|03|13|12,$   
 $(541236) \Rightarrow 01|02|013|01|23|03|12$  and  $(542136) \Rightarrow 01|02|023|02|13|03|12$

$\mathcal{K}_{01,\infty}(01|02|013|23|01|02|02, 1, 4, 5) \Rightarrow 01|02|013|12|03|02|02, 01|02|013|12|01|02|02, 01|02|013|23|03|02|02$   
(Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|23|02|01|02, (124536) \Rightarrow 01|02|013|02|23|01|02,$   
 $(124635) \Rightarrow 01|02|013|02|23|02|01, (125436) \Rightarrow 01|02|013|02|01|23|02, (125634) \Rightarrow 01|02|013|02|02|23|01,$   
 $(142356) \Rightarrow 01|23|012|01|03|03|03, (213456) \Rightarrow 01|02|023|13|02|01|01, (213546) \Rightarrow 01|02|023|13|01|02|01,$

$(214536) \Rightarrow 01|02|023|01|13|02|01$ ,  $(214635) \Rightarrow 01|02|023|01|13|01|02$ ,  $(215436) \Rightarrow 01|02|023|01|02|13|01$ ,  
 $(215634) \Rightarrow 01|02|023|01|01|13|02$  and  $(241356) \Rightarrow 01|23|023|23|12|12|12$

$\mathcal{K}_{13,\infty}(01|02|013|23|01|23|03, 2, 3, 7) \Rightarrow 01|02|012|23|01|23|02, 01|02|012|23|01|23|03, 01|02|013|23|01|23|02$   
(Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|23|23|01|03$ ,  $(213456) \Rightarrow 01|02|023|13|02|13|03$   
and  $(213546) \Rightarrow 01|02|023|13|13|02|03$

$\mathcal{K}_{02,\infty}(01|02|023|01|03|01|02, 2, 5, 7) \Rightarrow 01|02|023|01|02|01|03, 01|02|023|01|02|01|02, 01|02|023|01|03|01|02$   
(Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|01|01|03|02$ ,  $(213456) \Rightarrow 01|02|013|02|03|02|01$   
and  $(213546) \Rightarrow 01|02|013|02|02|03|01$

$\mathcal{K}_{12,\infty}(01|02|023|02|13|23|03, 1, 6, 7) \Rightarrow 01|02|023|02|13|03|23, 01|02|023|02|13|03|03, 01|02|023|02|13|23|03$   
(Case 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|02|23|13|03$ ,  $(213456) \Rightarrow 01|02|013|01|23|13|03$ ,  
 $(213546) \Rightarrow 01|02|013|01|13|23|03$ ,  $(435162) \Rightarrow 01|02|023|23|12|23|03$ ,  $(435261) \Rightarrow 01|02|013|13|12|13|03$ ,  
 $(534162) \Rightarrow 01|02|023|23|23|12|03$  and  $(534261) \Rightarrow 01|02|013|13|13|12|03$

$\mathcal{K}_{23,\infty}(01|02|023|03|01|02|02, 1, 4, 5) \Rightarrow 01|02|023|23|12|02|02, 01|02|023|23|01|02|02, 01|02|023|03|12|02|02$   
(Case 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|03|02|01|02$ ,  $(213456) \Rightarrow 01|02|013|03|02|01|01$   
and  $(213546) \Rightarrow 01|02|013|03|01|02|01$

$\mathcal{K}_{23,\infty}(01|02|023|03|01|03|23, 2, 4, 6) \Rightarrow 01|02|023|02|01|02|23, 01|02|023|02|01|03|23, 01|02|023|03|01|02|23$   
(Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|03|03|01|23$ ,  $(213456) \Rightarrow 01|02|013|03|02|03|13$   
and  $(213546) \Rightarrow 01|02|013|03|03|02|13$

$\mathcal{K}_{01,\infty}(01|02|023|12|13|02|02, 1, 3, 4) \Rightarrow 01|02|012|23|13|02|02, 01|02|012|12|13|02|02, 01|02|023|23|13|02|02$   
(Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|02|13|02$ ,  $(213456) \Rightarrow 01|02|013|12|23|01|01$   
and  $(213546) \Rightarrow 01|02|013|12|01|23|01$

$\mathcal{K}_{23,\infty}(01|02|023|13|01|03|23, 2, 4, 6) \Rightarrow 01|02|023|12|01|02|23, 01|02|023|12|01|03|23, 01|02|023|13|01|02|23$   
(Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|13|03|01|23$ ,  $(124536) \Rightarrow 01|02|023|03|13|01|23$ ,  
 $(125436) \Rightarrow 01|02|023|03|01|13|23$ ,  $(213456) \Rightarrow 01|02|013|23|02|03|13$ ,  $(213546) \Rightarrow 01|02|013|23|03|02|13$ ,  
 $(214536) \Rightarrow 01|02|013|03|23|02|13$  and  $(215436) \Rightarrow 01|02|013|03|02|23|13$

$\mathcal{K}_{13,\infty}(01|02|023|13|02|13|23, 1, 3, 7) \Rightarrow 01|02|012|13|02|13|12, 01|02|012|13|02|13|23, 01|02|023|13|02|13|23$   
(Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|13|13|02|23$ ,  $(213456) \Rightarrow 01|02|013|23|01|23|13$   
and  $(213546) \Rightarrow 01|02|013|23|23|01|13$

$\mathcal{K}_{01,\infty}(01|02|123|01|13|01|02, 1, 4, 6) \Rightarrow 01|02|123|03|13|03|02, 01|02|123|03|13|01|02, 01|02|123|01|13|03|02$  (Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|01|01|13|02$ ,  $(134256) \Rightarrow 01|02|023|13|01|01|13$ ,  $(213456) \Rightarrow 01|02|123|02|23|02|01$ ,  $(213546) \Rightarrow 01|02|123|02|02|23|01$ ,  $(234156) \Rightarrow 01|02|013|23|02|02|23$ ,  $(415263) \Rightarrow 01|23|023|01|12|12|12$  and  $(425163) \Rightarrow 01|23|012|23|03|03|03$

$\mathcal{K}_{02,\infty}(01|02|123|02|23|02|02, 2, 3, 4, 6, 7) \Rightarrow 01|02|023|12|23|12|12, 01|02|023|02|23|02|02, 01|02|123|12|23|02|02, 01|02|123|02|23|12|02, 01|02|123|02|23|02|12$  (Case 1, 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|02|23|02$ ,  $(123645) \Rightarrow 01|02|123|02|02|02|23$ ,  $(213456) \Rightarrow 01|02|123|01|13|01|01$ ,  $(213546) \Rightarrow 01|02|123|01|01|13|01$ ,  $(213645) \Rightarrow 01|02|123|01|01|01|13$ ,  $(312456) \Rightarrow 01|01|023|12|03|01|01$  and  $(312546) \Rightarrow 01|01|023|12|01|03|01$

$\mathcal{K}_{23,\infty}(01|02|123|03|01|03|23, 2, 4, 6) \Rightarrow 01|02|123|02|01|02|23, 01|02|123|02|01|03|23, 01|02|123|03|01|02|23$  (Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|03|03|01|23$ ,  $(213456) \Rightarrow 01|02|123|03|02|03|13$  and  $(213546) \Rightarrow 01|02|123|03|03|02|13$

$\mathcal{K}_{23,\infty}(01|02|123|03|02|23|23, 2, 4, 5) \Rightarrow 01|02|123|02|03|23|23, 01|02|123|02|02|23|23, 01|02|123|03|03|23|23$  (Case 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|03|23|02|23$ ,  $(213456) \Rightarrow 01|02|123|03|01|13|13$ ,  $(213546) \Rightarrow 01|02|123|03|13|01|13$ ,  $(415236) \Rightarrow 01|01|023|02|13|12|02$  and  $(514236) \Rightarrow 01|01|023|02|12|13|02$

$\mathcal{K}_{13,\infty}(01|02|123|13|01|13|23, 1, 5, 7) \Rightarrow 01|02|123|13|03|13|12, 01|02|123|13|03|13|23, 01|02|123|13|01|13|23$  (Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|13|13|01|23$ ,  $(143265) \Rightarrow 01|01|023|02|13|23|02$ ,  $(153264) \Rightarrow 01|01|023|02|23|13|02$ ,  $(213456) \Rightarrow 01|02|123|23|02|23|13$ ,  $(213546) \Rightarrow 01|02|123|23|23|02|13$ ,  $(412536) \Rightarrow 01|23|023|23|12|12|03$ ,  $(421536) \Rightarrow 01|23|012|01|03|03|12$  and  $(431526) \Rightarrow 01|01|012|23|03|03|12$

$\mathcal{K}_{03,\infty}(01|02|123|13|02|03|23, 1, 6, 7) \Rightarrow 01|02|123|13|02|01|12, 01|02|123|13|02|01|23, 01|02|123|13|02|03|13$  (Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|13|03|02|23$ ,  $(126453) \Rightarrow 01|02|123|23|02|03|13$ ,  $(126543) \Rightarrow 01|02|123|23|03|02|13$ ,  $(213456) \Rightarrow 01|02|123|23|01|03|13$ ,  $(213546) \Rightarrow 01|02|123|23|03|01|13$ ,  $(216453) \Rightarrow 01|02|123|13|01|03|23$  and  $(216543) \Rightarrow 01|02|123|13|03|01|23$

$\mathcal{K}_{01,\infty}(01|23|012|01|03|23|12, 1, 2, 3, 4, 6) \Rightarrow 01|02|123|13|03|02|12, 01|02|012|01|03|23|12, 01|23|023|01|12|23|03, 01|23|012|03|13|23|02, 01|23|012|01|03|02|12$  (Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|01|23|03|12$ ,  $(213456) \Rightarrow 01|23|023|23|12|01|03$  and  $(213546) \Rightarrow 01|23|023|23|01|12|03$

$\mathcal{K}_{13,\infty}(01|23|012|03|02|23|23, 1, 2, 4, 6, 7) \Rightarrow 01|02|013|23|03|02|02, 01|02|013|02|03|23|23, 01|23|012|23|02|23|23, 01|23|012|03|02|03|23, 01|23|012|03|02|23|03$  (Case 1, 2 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|03|23|02|23$ ,  $(213456) \Rightarrow 01|23|023|12|02|01|01$  and  $(213546) \Rightarrow 01|23|023|12|01|02|01$



$\mathcal{K}_{01,\infty}(01|23|023|12|12|23|23, 3, 4, 5) \Rightarrow 01|23|023|02|02|23|23, 01|23|023|02|12|23|23, 01|23|023|12|02|23|23$  (Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|12|23|12|23, (213456) \Rightarrow 01|23|012|03|03|01|01, (213546) \Rightarrow 01|23|012|03|01|03|01, (412356) \Rightarrow 01|02|013|02|23|01|01, (421356) \Rightarrow 01|02|023|01|13|02|02, (512346) \Rightarrow 01|02|013|02|01|23|01$  and  $(521346) \Rightarrow 01|02|023|01|02|13|02$

$\mathcal{K}_{12,5}(01|02|012|01|03|02|12, 6, 7) \Rightarrow 01|02|012|01|13|12|12, 01|02|012|01|13|02|02$  (Case 2 and 3).

$\mathcal{K}_{12,6}(01|02|012|01|03|02|12, 7) \Rightarrow 01|02|012|01|03|12|02$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|01|02|03|12, (124536) \Rightarrow 01|02|012|02|01|03|12, (125436) \Rightarrow 01|02|012|02|03|01|12, (142563) \Rightarrow 01|01|012|02|12|13|12$  and  $(152463) \Rightarrow 01|01|012|02|13|12|13$

$\mathcal{K}_{12,5}(01|02|012|03|01|02|23, 1, 2, 3, 6, 7) \Rightarrow 01|23|023|12|01|23|13, 01|23|012|03|13|02|23, 01|02|123|03|13|02|23, 01|02|012|03|13|23|23, 01|02|012|03|13|02|02$  (Case 1, 2 and 3).

$\mathcal{K}_{12,6}(01|02|012|03|01|02|23, 3, 7) \Rightarrow 01|02|123|03|01|23|23, 01|02|012|03|01|23|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|03|02|01|23, (213456) \Rightarrow 01|02|012|03|02|01|13$  and  $(213546) \Rightarrow 01|02|012|03|01|02|13$

$\mathcal{K}_{13,2}(01|02|012|12|13|03|02, \infty, 5, 7) \Rightarrow 01|23|012|02|03|13|12, 01|23|012|02|01|13|12, 01|23|012|02|03|13|12$  (Case 1).

$\mathcal{K}_{13,5}(01|02|012|12|13|03|02, \infty, 7) \Rightarrow 01|02|012|12|01|03|02, 01|02|012|12|01|03|23$  (Case 3).

$\mathcal{K}_{13,1}(01|02|012|12|13|03|02, \infty) \Rightarrow 01|23|023|02|01|13|23$  (Case 1).

$\mathcal{K}_{13,7}(01|02|012|12|13|03|02, \infty) \Rightarrow 01|02|012|12|13|03|23$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|12|03|13|02, (213456) \Rightarrow 01|02|012|12|23|03|01$  and  $(213546) \Rightarrow 01|02|012|12|03|23|01$

$\mathcal{K}_{02,3}(01|02|012|13|01|02|23, 5, 7) \Rightarrow 01|02|023|13|03|02|23, 01|02|023|13|01|02|12$  (Case 1 and 3).

$\mathcal{K}_{02,5}(01|02|012|13|01|02|23, 7) \Rightarrow 01|02|012|13|03|02|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|13|02|01|23, (126453) \Rightarrow 01|02|012|23|01|02|13, (126543) \Rightarrow 01|02|012|23|02|01|13, (143256) \Rightarrow 01|01|012|03|12|12|23$  and  $(146253) \Rightarrow 01|01|012|23|02|02|13$

$\mathcal{K}_{02,1}(01|02|012|23|01|02|03, \infty, 3, 5) \Rightarrow 01|02|023|12|03|02|01, 01|02|012|12|03|02|01, 01|02|023|12|01|02|03$  (Case 1 and 3).

$\mathcal{K}_{02,3}(01|02|012|23|01|02|03, \infty, 5) \Rightarrow 01|02|023|23|01|02|03, 01|02|023|23|03|02|03$  (Case 1).

$\mathcal{K}_{02,5}(01|02|012|23|01|02|03, \infty) \Rightarrow 01|02|012|23|03|02|03$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|23|02|01|03, (143256) \Rightarrow 01|01|012|23|02|02|03, (146253) \Rightarrow 01|01|012|03|02|02|23, (213456) \Rightarrow 01|02|012|13|02|01|03$  and  $(213546) \Rightarrow 01|02|012|13|01|02|03$

$\mathcal{K}_{23,2}(01|02|012|23|23|03|03, \infty, 4, 5) \Rightarrow 01|23|012|23|23|03|03, 01|23|012|02|23|03|03, 01|23|012|23|02|03|03$  (Case 1).

$\mathcal{K}_{23,4}(01|02|012|23|23|03|03, \infty, 5) \Rightarrow 01|02|012|02|23|03|03, 01|02|012|02|02|03|03$  (Case 3).

$\mathcal{K}_{23,1}(01|02|012|23|23|03|03, \infty) \Rightarrow 01|23|023|12|12|13|13$  (Case 1).

$\mathcal{K}_{23,5}(01|02|012|23|23|03|03, \infty) \Rightarrow 01|02|012|23|02|03|03$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|012|23|03|23|03, (213456) \Rightarrow 01|02|012|13|13|03|03$  and  $(213546) \Rightarrow 01|02|012|13|03|13|03$

$\mathcal{K}_{23,5}(01|02|013|01|23|12|02, \infty, 3, 4, 6) \Rightarrow 01|02|013|01|03|12|02, 01|02|123|01|03|12|02, 01|02|013|12|03|12|02, 01|02|013|01|03|01|02$  (Case 1 and 3).

$\mathcal{K}_{23,3}(01|02|013|01|23|12|02, \infty, 6) \Rightarrow 01|02|123|01|23|12|02, 01|02|123|01|23|01|02$  (Case 1).

$\mathcal{K}_{23,6}(01|02|013|01|23|12|02, \infty) \Rightarrow 01|02|013|01|23|01|02$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|01|12|23|02, (213456) \Rightarrow 01|02|023|02|13|12|01$  and  $(213546) \Rightarrow 01|02|023|02|12|13|01$

$\mathcal{K}_{23,3}(01|02|013|03|02|23|23, 4, 5) \Rightarrow 01|02|012|02|02|23|23, 01|02|012|03|03|23|23$  (Case 2 and 3).

$\mathcal{K}_{23,4}(01|02|013|03|02|23|23, 5) \Rightarrow 01|02|013|02|03|23|23$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|03|23|02|23, (143526) \Rightarrow 01|23|012|02|03|03|23, (213456) \Rightarrow 01|02|023|03|01|13|13, (213546) \Rightarrow 01|02|023|03|13|01|13, (243516) \Rightarrow 01|23|023|02|12|12|01, (346512) \Rightarrow 01|01|023|23|12|12|02, (416523) \Rightarrow 01|02|123|02|13|01|12, (426513) \Rightarrow 01|02|123|01|23|02|12, (516423) \Rightarrow 01|02|123|02|01|13|12$  and  $(526413) \Rightarrow 01|02|123|01|02|23|12$

$\mathcal{K}_{02,4}(01|02|013|12|13|23|02, 5, 7) \Rightarrow 01|02|013|02|03|23|02, 01|02|013|02|13|23|12$  (Case 2 and 3).

$\mathcal{K}_{02,5}(01|02|013|12|13|23|02, 7) \Rightarrow 01|02|013|12|03|23|12$  (Case 2).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|23|13|02, (213456) \Rightarrow 01|02|023|12|23|13|01, (213546) \Rightarrow 01|02|023|12|13|23|01, (314652) \Rightarrow 01|01|023|02|12|13|23, (315642) \Rightarrow 01|01|023|02|13|12|23, (613452) \Rightarrow 01|01|023|12|23|13|02, (613542) \Rightarrow 01|01|023|12|13|23|02, (643125) \Rightarrow 01|02|013|12|23|23|13$  and  $(643215) \Rightarrow 01|02|023|12|13|13|23$

$\mathcal{K}_{01,4}(01|02|013|12|23|01|02, 5, 6) \Rightarrow 01|02|013|23|12|01|02, 01|02|013|23|23|03|02$  (Case 1 and 3).

$\mathcal{K}_{01,5}(01|02|013|12|23|01|02, 6) \Rightarrow 01|02|013|12|12|03|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|01|23|02, (136425) \Rightarrow 01|01|012|03|23|03|13, (136524) \Rightarrow 01|01|012|03|03|23|13, (213456) \Rightarrow 01|02|023|12|13|02|01$  and  $(213546) \Rightarrow 01|02|023|12|02|13|01$

$\mathcal{K}_{12,4}(01|02|013|12|23|12|02, 6, 7) \Rightarrow 01|02|013|02|23|02|02, 01|02|013|02|23|12|12$  (Case 3).

$\mathcal{K}_{12,6}(01|02|013|12|23|12|02, 7) \Rightarrow 01|02|013|12|23|02|12$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|12|12|23|02, (213456) \Rightarrow 01|02|023|12|13|12|01$  and  $(213546) \Rightarrow 01|02|023|12|12|13|01$

$\mathcal{K}_{03,6}(01|02|013|13|12|23|23, \infty, 3, 5, 7) \Rightarrow 01|02|013|13|12|03|23, 01|02|123|13|12|03|23, 01|02|013|13|01|03|23, 01|02|013|13|12|03|03$  (Case 1 and 3).

$\mathcal{K}_{03,3}(01|02|013|13|12|23|23, \infty, 5) \Rightarrow 01|02|123|13|12|23|23, 01|02|123|13|01|23|23$  (Case 1).

$\mathcal{K}_{03,5}(01|02|013|13|12|23|23, \infty) \Rightarrow 01|02|013|13|01|23|23$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|13|23|12|23, (132645) \Rightarrow 01|02|012|13|23|23|03, (162345) \Rightarrow 01|02|012|03|23|23|13, (213456) \Rightarrow 01|02|023|23|12|13|13, (213546) \Rightarrow 01|02|023|23|13|12|13, (231645) \Rightarrow 01|02|012|23|13|13|03, (261345) \Rightarrow 01|02|012|03|13|13|23, (614325) \Rightarrow 01|02|123|03|23|02|13, (615324) \Rightarrow 01|02|123|03|02|23|13, (624315) \Rightarrow 01|02|123|03|13|01|23$  and  $(625314) \Rightarrow 01|02|123|03|01|13|23$ .

$\mathcal{K}_{03,5}(01|02|013|23|02|03|03, 6, 7) \Rightarrow 01|02|013|23|12|13|03, 01|02|013|23|12|03|13$  (Case 1 and 3).

$\mathcal{K}_{03,6}(01|02|013|23|02|03|03, 7) \Rightarrow 01|02|013|23|02|13|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|23|03|02|03, (126435) \Rightarrow 01|02|013|03|02|03|23, (126534) \Rightarrow 01|02|013|03|03|02|23, (136425) \Rightarrow 01|02|012|03|03|02|23, (136524) \Rightarrow 01|02|012|03|02|03|23, (142536) \Rightarrow 01|23|012|02|03|03|02, (143526) \Rightarrow 01|02|012|23|03|03|02, (146523) \Rightarrow 01|02|012|02|03|03|23, (213456) \Rightarrow 01|02|023|13|01|03|03, (213546) \Rightarrow 01|02|023|13|03|01|03, (216435) \Rightarrow 01|02|023|03|01|03|13, (216534) \Rightarrow 01|02|023|03|03|01|13, (236415) \Rightarrow 01|02|012|03|03|01|13, (236514) \Rightarrow 01|02|012|03|01|03|13, (241536) \Rightarrow 01|23|023|02|12|12|02, (243516) \Rightarrow 01|02|012|13|03|03|01, (246513) \Rightarrow 01|02|012|01|03|03|13, (413526) \Rightarrow 01|02|023|12|03|01|02, (416523) \Rightarrow 01|02|023|02|03|01|12, (423516) \Rightarrow 01|02|013|12|03|02|01, (426513) \Rightarrow 01|02|013|01|03|02|12, (436512) \Rightarrow 01|01|012|03|02|03|13, (453612) \Rightarrow 01|01|012|03|12|13|13, (513426) \Rightarrow 01|02|023|12|01|03|02, (516423) \Rightarrow 01|02|023|02|01|03|12, (523416) \Rightarrow 01|02|013|12|02|03|01, (526413) \Rightarrow 01|02|013|01|02|03|12, (536412) \Rightarrow 01|01|012|03|03|02|13$  and  $(543612) \Rightarrow 01|01|012|03|13|12|13$ .

$\mathcal{K}_{23,1}(01|02|013|23|02|23|03, \infty, 2, 4) \Rightarrow 01|23|012|03|23|03|02, 01|02|013|02|23|02|03, 01|23|012|23|23|03|02$  (Case 1 and 3).

$\mathcal{K}_{23,2}(01|02|013|23|02|23|03, \infty, 4) \Rightarrow 01|23|012|23|03|23|02, 01|23|012|03|03|23|02$  (Case 1).

$\mathcal{K}_{23,4}(01|02|013|23|02|23|03, \infty) \Rightarrow 01|02|013|02|02|23|03$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|013|23|23|02|03, (213456) \Rightarrow 01|02|023|13|01|13|03, (213546) \Rightarrow 01|02|023|13|13|01|03, (431562) \Rightarrow 01|02|023|12|23|12|01, (432561) \Rightarrow 01|02|013|12|13|12|02, (451263) \Rightarrow 01|02|123|12|23|02|01, (451326) \Rightarrow 01|01|023|12|23|12|02, (451623) \Rightarrow 01|01|023|02|23|12|12, (452163) \Rightarrow 01|02|123|12|13|01|02, (531462) \Rightarrow 01|02|023|12|12|23|01, (532461) \Rightarrow 01|02|013|12|12|13|02, (541263) \Rightarrow 01|02|123|12|02|23|01, (541326) \Rightarrow 01|01|023|12|12|23|02, (541623) \Rightarrow 01|01|023|02|12|23|12$  and  $(542163) \Rightarrow 01|02|123|12|01|13|02$ .

$\mathcal{K}_{03,1}(01|02|023|12|13|01|02, \infty, 2, 7) \Rightarrow 01|23|023|12|01|13|23, 01|02|023|12|01|13|23, 01|23|023|12|01|13|23$  (Case 1 and 3).

$\mathcal{K}_{03,2}(01|02|023|12|13|01|02, \infty, 7) \Rightarrow 01|23|023|12|13|01|02, 01|23|023|12|13|01|23$  (Case 1).

$\mathcal{K}_{03,7}(01|02|023|12|13|01|02, \infty) \Rightarrow 01|02|023|12|13|01|23$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|12|01|13|02, (213456) \Rightarrow 01|02|013|12|23|02|01$  and  $(213546) \Rightarrow 01|02|013|12|02|23|01$ .

$\mathcal{K}_{12,5}(01|02|023|23|13|02|03, 6, 7) \Rightarrow 01|02|023|23|12|03|03, 01|02|023|23|12|02|02$  (Case 1 and 3).

$\mathcal{K}_{12,6}(01|02|023|23|13|02|03, 7) \Rightarrow 01|02|023|23|13|03|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|023|23|02|13|03$ ,  $(126453) \Rightarrow 01|02|023|03|13|02|23$ ,  $(126543) \Rightarrow 01|02|023|03|02|13|23$ ,  $(213456) \Rightarrow 01|02|013|13|23|01|03$ ,  $(213546) \Rightarrow 01|02|013|13|01|23|03$ ,  $(216453) \Rightarrow 01|02|013|03|23|01|13$ ,  $(216543) \Rightarrow 01|02|013|03|01|23|13$ ,  $(413625) \Rightarrow 01|01|012|02|13|12|23$ ,  $(416523) \Rightarrow 01|01|012|02|03|23|12$ ,  $(513624) \Rightarrow 01|01|012|02|12|13|23$  and  $(516423) \Rightarrow 01|01|012|02|23|03|12$ .

$\mathcal{K}_{23,3}(01|02|123|01|03|02|02, 4, 5) \Rightarrow 01|02|013|12|03|02|02$ ,  $01|02|013|01|23|02|02$  (Case 3).

$\mathcal{K}_{23,4}(01|02|123|01|03|02|02, 5) \Rightarrow 01|02|123|12|23|02|02$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|01|02|03|02$ ,  $(132456) \Rightarrow 01|01|023|12|13|12|12$ ,  $(132546) \Rightarrow 01|01|023|12|12|13|12$ ,  $(213456) \Rightarrow 01|02|123|02|03|01|01$ ,  $(213546) \Rightarrow 01|02|123|02|01|03|01$ ,  $(314526) \Rightarrow 01|01|023|12|12|13|01$ ,  $(315426) \Rightarrow 01|01|023|12|13|12|01$ ,  $(415236) \Rightarrow 01|02|123|01|03|03|01$ ,  $(415326) \Rightarrow 01|01|023|12|13|13|01$ ,  $(415623) \Rightarrow 01|01|023|01|12|12|13$ ,  $(416523) \Rightarrow 01|01|023|01|12|13|12$ ,  $(425136) \Rightarrow 01|02|123|02|03|03|02$  and  $(516423) \Rightarrow 01|01|023|01|12|13|13$ .

$\mathcal{K}_{01,2}(01|02|123|01|03|02|12, \infty, 4, 6) \Rightarrow 01|23|023|01|12|13|03$ ,  $01|23|023|02|12|13|03$ ,  $01|23|023|01|12|23|03$  (Case 1, 2 and 3).

$\mathcal{K}_{01,4}(01|02|123|01|03|02|12, \infty, 6) \Rightarrow 01|02|123|13|03|02|12$ ,  $01|02|123|13|03|23|12$  (Case 1).

$\mathcal{K}_{01,1}(01|02|123|01|03|02|12, \infty) \Rightarrow 01|23|012|03|13|23|02$  (Case 1).

$\mathcal{K}_{01,6}(01|02|123|01|03|02|12, \infty) \Rightarrow 01|02|123|01|03|23|12$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|01|02|03|12$ ,  $(213456) \Rightarrow 01|02|123|02|03|01|12$  and  $(213546) \Rightarrow 01|02|123|02|01|03|12$ .

$\mathcal{K}_{13,2}(01|02|123|02|03|01|02, \infty, 3, 5) \Rightarrow 01|02|023|12|13|01|12$ ,  $01|02|123|12|13|01|12$ ,  $01|02|023|12|03|01|12$  (Case 3).

$\mathcal{K}_{13,3}(01|02|123|02|03|01|02, \infty, 5) \Rightarrow 01|02|023|02|03|01|02$ ,  $01|02|023|02|13|01|02$  (Case 3).

$\mathcal{K}_{13,5}(01|02|123|02|03|01|02, \infty) \Rightarrow 01|02|123|02|13|01|02$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|01|03|02$ ,  $(142563) \Rightarrow 01|02|123|02|02|03|01$ ,  $(152463) \Rightarrow 01|02|123|02|03|02|01$ ,  $(213456) \Rightarrow 01|02|123|01|03|02|01$ ,  $(213546) \Rightarrow 01|02|123|01|02|03|01$ ,  $(241563) \Rightarrow 01|02|123|01|01|03|02$  and  $(251463) \Rightarrow 01|02|123|01|03|01|02$ .

$\mathcal{K}_{03,5}(01|02|123|02|23|03|03, 6, 7) \Rightarrow 01|02|123|02|12|01|03$ ,  $01|02|123|02|12|03|01$  (Case 1 and 3).

$\mathcal{K}_{03,6}(01|02|123|02|23|03|03, 7) \Rightarrow 01|02|123|02|23|01|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|02|03|23|03$ ,  $(213456) \Rightarrow 01|02|123|01|13|03|03$  and  $(213546) \Rightarrow 01|02|123|01|03|13|03$ .

$\mathcal{K}_{03,5}(01|02|123|03|01|02|02, 2, 3, 6, 7) \Rightarrow 01|23|023|12|02|13|13$ ,  $01|02|012|03|13|02|02$ ,  $01|02|123|03|13|23|01|02|123|03|13|02|23$  (Case 1).

$\mathcal{K}_{03,6}(01|02|123|03|01|02|02, 2, 3, 7) \Rightarrow 01|23|023|12|01|23|13$ ,  $01|02|012|03|01|23|02$ ,  $01|02|123|03|01|23|02$  (Case 1 and 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|03|02|01|02$ ,  $(213456) \Rightarrow 01|02|123|03|02|01|01$  and  $(213546) \Rightarrow 01|02|123|03|01|02|01$ .

$\mathcal{K}_{03,2}(01|02|123|12|03|01|02, \infty, 3, 7) \Rightarrow 01|23|023|02|13|01|12, 01|23|012|02|13|01|12, 01|23|023|02|13|01|12$  (Case 1).

$\mathcal{K}_{03,3}(01|02|123|12|03|01|02, \infty, 7) \Rightarrow 01|02|012|12|03|01|02, 01|02|012|12|03|01|23$  (Case 3).

$\mathcal{K}_{03,1}(01|02|123|12|03|01|02, \infty) \Rightarrow 01|23|012|02|13|03|23$  (Case 1).

$\mathcal{K}_{03,7}(01|02|123|12|03|01|02, \infty) \Rightarrow 01|02|123|12|03|01|23$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|12|01|03|02, (143265) \Rightarrow 01|02|123|13|03|03|01, (213456) \Rightarrow 01|02|123|12|03|02|01, (213546) \Rightarrow 01|02|123|12|02|03|01, (243165) \Rightarrow 01|02|123|23|03|03|02, (341265) \Rightarrow 01|23|012|03|13|13|03, (342165) \Rightarrow 01|23|023|12|13|13|12, (346125) \Rightarrow 01|02|123|02|03|03|23, (346215) \Rightarrow 01|02|123|01|03|03|13, (641325) \Rightarrow 01|02|013|23|12|12|02$  and  $(642315) \Rightarrow 01|02|023|13|12|12|01$

$\mathcal{K}_{13,4}(01|02|123|12|03|13|23, 5, 7) \Rightarrow 01|02|123|23|01|13|23, 01|02|123|23|03|13|12$  (Case 1).

$\mathcal{K}_{13,5}(01|02|123|12|03|13|23, 7) \Rightarrow 01|02|123|12|01|13|12$  (Case 3).

Free by vertex permutation:  $(123465) \Rightarrow 01|02|123|12|03|23|13, (123546) \Rightarrow 01|02|123|12|13|03|23, (123564) \Rightarrow 01|02|123|12|23|03|13, (146523) \Rightarrow 01|02|023|23|13|12|03, (156423) \Rightarrow 01|02|023|23|12|13|03, (246513) \Rightarrow 01|02|013|13|23|12|03$  and  $(256413) \Rightarrow 01|02|013|13|12|23|03$

$\mathcal{K}_{12,2}(01|02|123|12|13|03|02, \infty, 5, 6) \Rightarrow 01|02|123|13|12|02|03, 01|02|123|13|13|02|03, 01|02|123|13|12|03|02$  (Case 1 and 3).

$\mathcal{K}_{12,5}(01|02|123|12|13|03|02, \infty, 6) \Rightarrow 01|02|123|12|12|03|02, 01|02|123|12|12|02|02$  (Case 1 and 3).

$\mathcal{K}_{12,6}(01|02|123|12|13|03|02, \infty) \Rightarrow 01|02|123|12|13|02|02$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|12|03|13|02, (213456) \Rightarrow 01|02|123|12|23|03|01, (213546) \Rightarrow 01|02|123|12|03|23|01, (613452) \Rightarrow 01|01|023|02|23|13|12$  and  $(613542) \Rightarrow 01|01|023|02|13|23|12$

$\mathcal{K}_{23,2}(01|02|123|23|02|03|03, \infty, 3, 4) \Rightarrow 01|23|023|23|12|13|13, 01|23|012|23|02|03|03, 01|23|023|12|12|13|03$  (Case 1).

$\mathcal{K}_{23,3}(01|02|123|23|02|03|03, \infty, 4) \Rightarrow 01|02|012|23|02|03|03, 01|02|012|02|02|03|03$  (Case 3).

$\mathcal{K}_{23,1}(01|02|123|23|02|03|03, \infty) \Rightarrow 01|23|012|02|23|03|03$  (Case 1).

$\mathcal{K}_{23,4}(01|02|123|23|02|03|03, \infty) \Rightarrow 01|02|123|02|02|03|03$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|23|03|02|03, (213456) \Rightarrow 01|02|123|13|01|03|03, (213546) \Rightarrow 01|02|123|13|03|01|03, (641523) \Rightarrow 01|02|013|02|12|12|23$  and  $(642513) \Rightarrow 01|02|023|01|12|12|13$

$\mathcal{K}_{01,4}(01|02|123|23|02|23|03, \infty, 5, 6) \Rightarrow 01|02|123|13|02|23|03, 01|02|123|13|01|23|03, 01|02|123|13|02|13|03$  (Case 1 and 3).

$\mathcal{K}_{01,5}(01|02|123|23|02|23|03, \infty, 6) \Rightarrow 01|02|123|23|01|23|03, 01|02|123|23|01|13|03$  (Case 1 and 3).

$\mathcal{K}_{01,1}(01|02|123|23|02|23|03, \infty) \Rightarrow 01|01|023|02|01|02|12$  (Case 2).

$\mathcal{K}_{01,6}(01|02|123|23|02|23|03, \infty) \Rightarrow 01|02|123|23|02|13|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|23|23|02|03, (213456) \Rightarrow 01|02|123|13|01|13|03$  and  $(213546) \Rightarrow 01|02|123|13|13|01|03$

$\mathcal{K}_{02,3}(01|02|123|23|23|03|03, 6, 7) \Rightarrow 01|02|023|23|23|13|03, 01|02|023|23|23|03|13$  (Case 1 and 3).

$\mathcal{K}_{02,6}(01|02|123|23|23|03|03, 7) \Rightarrow 01|02|123|23|23|13|13$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|23|03|23|03$ ,  $(162345) \Rightarrow 01|23|023|23|12|12|13$ ,  $(213456) \Rightarrow 01|02|123|13|13|03|03$ ,  $(213546) \Rightarrow 01|02|123|13|03|13|03$ ,  $(261345) \Rightarrow 01|23|012|01|03|03|13$ ,  $(451236) \Rightarrow 01|01|012|03|23|13|03$ ,  $(461325) \Rightarrow 01|02|013|01|23|02|12$ ,  $(462315) \Rightarrow 01|02|023|02|13|01|12$ ,  $(541236) \Rightarrow 01|01|012|03|13|23|03$ ,  $(561324) \Rightarrow 01|02|013|01|02|23|12$  and  $(562314) \Rightarrow 01|02|023|02|01|13|12$

$\mathcal{K}_{02,2}(01|23|012|03|01|03|02, 5, 7) \Rightarrow 01|02|013|12|13|12|13, 01|02|013|12|01|12|01$  (Case 1 and 3).

$\mathcal{K}_{02,5}(01|23|012|03|01|03|02, 7) \Rightarrow 01|23|012|03|02|03|01$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|03|03|01|02$ ,  $(163245) \Rightarrow 01|01|012|03|03|02|23$ ,  $(163254) \Rightarrow 01|01|012|03|02|03|23$ ,  $(213456) \Rightarrow 01|23|023|12|23|12|02$  and  $(213546) \Rightarrow 01|23|023|12|12|23|02$

$\mathcal{K}_{12,5}(01|23|012|03|01|23|23, 4, 6, 7) \Rightarrow 01|23|012|23|02|23|23, 01|23|012|03|12|03|23, 01|23|012|03|12|23|03$  (Case 1).

$\mathcal{K}_{12,6}(01|23|012|03|01|23|23, 4, 7) \Rightarrow 01|23|012|23|01|03|23, 01|23|012|03|01|03|03$  (Case 1 and 3).

$\mathcal{K}_{12,4}(01|23|012|03|01|23|23, 7) \Rightarrow 01|23|012|23|01|23|03$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|03|23|01|23$ ,  $(213456) \Rightarrow 01|23|023|12|23|01|01$  and  $(213546) \Rightarrow 01|23|023|12|01|23|01$

$\mathcal{K}_{12,2}(01|23|012|03|03|23|23, 1, 4, 7) \Rightarrow 01|23|012|23|23|03|03, 01|02|013|23|02|23|23, 01|02|013|02|02|23|03$  (Case 1 and 3).

$\mathcal{K}_{12,4}(01|23|012|03|03|23|23, 1, 7) \Rightarrow 01|02|013|02|23|02|02, 01|23|012|23|03|23|03$  (Case 1 and 3).

$\mathcal{K}_{12,1}(01|23|012|03|03|23|23, 7) \Rightarrow 01|02|013|23|23|02|23$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|012|03|23|03|23$ ,  $(213456) \Rightarrow 01|23|023|12|12|01|01$  and  $(213546) \Rightarrow 01|23|023|12|01|12|01$

$\mathcal{K}_{02,4}(01|23|023|12|13|23|02, 5, 7) \Rightarrow 01|23|023|02|03|23|02, 01|23|023|02|13|23|12$  (Case 1 and 3).

$\mathcal{K}_{02,5}(01|23|023|12|13|23|02, 7) \Rightarrow 01|23|023|12|03|23|12$  (Case 1).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|12|23|13|02$ ,  $(213456) \Rightarrow 01|23|012|03|13|01|02$  and  $(213546) \Rightarrow 01|23|012|03|01|13|02$

$\mathcal{K}_{13,4}(01|23|023|23|01|12|13, 3, 5, 7) \Rightarrow 01|23|012|02|01|03|02, 01|23|023|12|03|13|12, 01|23|023|12|01|13|02$  (Case 1).

$\mathcal{K}_{13,5}(01|23|023|23|01|12|13, 3, 7) \Rightarrow 01|23|012|23|03|13|12, 01|23|023|23|02|12|23$  (Case 2).

$\mathcal{K}_{13,3}(01|23|023|23|01|12|13, 7) \Rightarrow 01|23|012|23|01|03|23$  (Case 3).

Free by vertex permutation:  $(123546) \Rightarrow 01|23|023|23|12|01|13$ ,  $(213456) \Rightarrow 01|23|012|01|23|03|13$ ,  $(213546) \Rightarrow 01|23|012|01|03|23|13$ ,  $(312465) \Rightarrow 01|01|012|23|23|03|13$ ,  $(312564) \Rightarrow 01|01|012|23|03|23|13$ ,  $(412635) \Rightarrow 01|01|012|03|23|13|23$  and  $(512634) \Rightarrow 01|01|012|03|13|23|23$

**Case 5.**  $B$  is one of  $01|02|123|03|02|03|23$ ,  $01|02|123|03|03|02|23$ ,  $01|02|123|03|01|03|13$ ,  $01|02|123|03|03|01|13$ ,  $01|01|023|12|13|12|02$ ,  $01|01|023|02|13|12|12$ ,  $01|01|023|12|12|13|02$  or  $01|01|023|02|12|13|12$ .

$\mathcal{K}_{01,\infty}(01|02|123|03|02|03|23, 2, 3, 4, 5, 6) \Rightarrow 01|02|023|13|12|13|23$ ,  $01|02|023|03|02|03|23$ ,  $01|02|123|13|02|03|23$ ,  $01|02|123|03|12|03|23$ ,  $01|02|123|03|02|13|23$  (Case 1, 2, 3 and 4).

Free by vertex permutation:  $(123546) \Rightarrow 01|02|123|03|03|02|23$ ,  $(213456) \Rightarrow 01|02|123|03|01|03|13$ ,  $(213546) \Rightarrow 01|02|123|03|03|01|13$ ,  $(413256) \Rightarrow 01|01|023|12|13|12|02$ ,  $(415263) \Rightarrow 01|01|023|02|13|12|12$ ,  $(513246) \Rightarrow 01|01|023|12|12|13|02$  and  $(514263) \Rightarrow 01|01|023|02|12|13|12$

□