

Die folgenden  $3 \times 3$  – Matrizen, haben die Eigenschaft, dass auch ihre jeweils zugehörigen Inversen nur ganzzahlige Elemente besitzen.

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
0 1 0	0 1 0	0 1 1	0 1 1	0 1 2
1 0 0	1 1 2	1 0 1	1 2 0	1 0 2

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
0 1 0	0 1 0	0 1 1	0 1 1	0 1 2
1 0 1	1 2 0	1 0 2	1 2 1	1 1 0

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
0 1 0	0 1 0	0 1 1	0 1 1	0 1 2
1 0 2	1 2 1	1 1 0	1 2 2	1 1 1

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
0 1 0	0 1 0	0 1 1	0 1 2	0 1 2
1 1 0	1 2 2	1 1 1	1 0 0	1 1 2

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
0 1 0	0 1 1	0 1 1	0 1 2	0 1 2
1 1 1	1 0 0	1 1 2	1 0 1	1 2 0

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
0 1 2	1 0 0	1 0 0	1 0 1	1 0 2
1 2 1	1 1 0	2 1 2	1 1 1	0 1 0

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
0 1 2	1 0 0	1 0 1	1 0 1	1 0 2
1 2 2	1 1 1	0 1 0	1 1 2	0 1 1

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 0 0	1 0 0	1 0 1	1 0 1	1 0 2
0 1 0	1 1 2	0 1 1	2 1 0	0 1 2

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 0 0	1 0 0	1 0 1	1 0 1	1 0 2
0 1 1	2 1 0	0 1 2	2 1 1	1 1 0

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 0 0	1 0 0	1 0 1	1 0 1	1 0 2
0 1 2	2 1 1	1 1 0	2 1 2	1 1 1

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 0 2	1 1 0	1 1 0	1 1 0	1 1 1
1 1 2	0 1 1	1 2 0	2 1 2	1 0 1

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 0 2	1 1 0	1 1 0	1 1 1	1 1 1
2 1 0	0 1 2	1 2 1	0 1 0	1 0 2

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 0 2	1 1 0	1 1 0	1 1 1	1 1 1
2 1 1	1 0 0	1 2 2	0 1 1	1 2 0

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 0 2	1 1 0	1 1 0	1 1 1	1 1 1
2 1 2	1 0 1	2 1 0	0 1 2	1 2 1

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 1 0	1 1 0	1 1 0	1 1 1	1 1 1
0 1 0	1 0 2	2 1 1	1 0 0	1 2 2

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 1 1	1 1 2	1 1 2	1 2 0	1 2 0
2 1 0	0 1 2	1 2 1	0 1 0	1 1 2

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 1 1	1 1 2	1 1 2	1 2 0	1 2 1
2 1 1	1 0 0	1 2 2	0 1 1	0 1 0

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 1 1	1 1 2	1 1 2	1 2 0	1 2 1
2 1 2	1 0 1	2 1 0	0 1 2	0 1 1

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 1 2	1 1 2	1 1 2	1 2 0	1 2 1
0 1 0	1 0 2	2 1 1	1 1 0	0 1 2

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 1 2	1 1 2	1 1 2	1 2 0	1 2 1
0 1 1	1 2 0	2 1 2	1 1 1	1 1 0

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 2 1	1 2 2	2 1 0	2 1 1	2 1 2
1 1 1	1 1 0	1 0 2	1 0 1	1 0 0

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 2 1	1 2 2	2 1 0	2 1 1	2 1 2
1 1 2	1 1 1	1 1 0	1 0 2	1 0 1

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 2 2	1 2 2	2 1 0	2 1 1	2 1 2
0 1 0	1 1 2	1 1 1	1 1 0	1 0 2

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 2 2	2 1 0	2 1 0	2 1 1	2 1 2
0 1 1	1 0 0	1 1 2	1 1 1	1 1 0

0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
1 2 2	2 1 0	2 1 1	2 1 1	2 1 2
0 1 2	1 0 1	1 0 0	1 1 2	1 1 1

0 0 1	0 1 0	0 1 0	0 1 0	0 1 0
2 1 2	0 0 1	0 1 1	0 1 1	0 2 1
1 1 2	1 1 1	1 0 0	1 1 2	1 0 1

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
0 0 1	0 0 1	0 1 1	0 1 1	0 2 1
1 0 0	1 1 2	1 0 1	1 2 0	1 0 2

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
0 0 1	0 0 1	0 1 1	0 1 1	0 2 1
1 0 1	1 2 0	1 0 2	1 2 1	1 1 0

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
0 0 1	0 0 1	0 1 1	0 1 1	0 2 1
1 0 2	1 2 1	1 1 0	1 2 2	1 1 1

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
0 0 1	0 0 1	0 1 1	0 2 1	0 2 1
1 1 0	1 2 2	1 1 1	1 0 0	1 1 2

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
0 2 1	1 0 0	1 0 0	1 0 1	1 0 1
1 2 0	0 2 1	2 1 1	1 0 0	1 2 2

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
0 2 1	1 0 0	1 0 0	1 0 1	1 0 1
1 2 1	1 0 1	2 2 1	1 0 2	2 0 1

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
0 2 1	1 0 0	1 0 1	1 0 1	1 0 1
1 2 2	1 1 1	0 0 1	1 1 0	2 1 1

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 0 0	1 0 0	1 0 1	1 0 1	1 0 1
0 0 1	1 2 1	0 1 1	1 1 2	2 2 1

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 0 0	1 0 0	1 0 1	1 0 1	1 0 2
0 1 1	2 0 1	0 2 1	1 2 0	0 0 1

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 0 2	1 1 0	1 1 0	1 1 1	1 1 1
0 1 1	0 0 1	1 2 1	0 1 1	1 1 2

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 0 2	1 1 0	1 1 0	1 1 1	1 1 1
0 2 1	0 1 1	2 0 1	0 2 1	1 2 0

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 0 2	1 1 0	1 1 0	1 1 1	1 1 1
1 0 1	0 2 1	2 1 1	1 0 0	1 2 2

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 0 2	1 1 0	1 1 0	1 1 1	1 1 1
1 1 1	1 0 1	2 2 1	1 0 2	2 0 1

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 0 2	1 1 0	1 1 1	1 1 1	1 1 1
1 2 1	1 1 1	0 0 1	1 1 0	2 1 1



0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 1 1	1 1 2	1 2 0	1 2 0	1 2 1
2 2 1	1 1 1	1 0 1	2 2 1	1 0 2

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 1 2	1 1 2	1 2 0	1 2 1	1 2 1
0 0 1	1 2 1	1 1 1	0 0 1	1 1 0

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 1 2	1 2 0	1 2 0	1 2 1	1 2 1
0 1 1	0 0 1	1 2 1	0 1 1	1 1 2

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 1 2	1 2 0	1 2 0	1 2 1	1 2 1
0 2 1	0 1 1	2 0 1	0 2 1	1 2 0

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 1 2	1 2 0	1 2 0	1 2 1	1 2 1
1 0 1	0 2 1	2 1 1	1 0 0	1 2 2

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 2 1	1 2 2	2 0 1	2 1 1	2 1 1
2 0 1	0 2 1	1 0 1	1 0 0	1 2 1

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 2 1	1 2 2	2 0 1	2 1 1	2 2 1
2 1 1	1 0 1	1 1 0	1 0 1	1 0 0

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 2 1	1 2 2	2 0 1	2 1 1	2 2 1
2 2 1	1 1 1	1 1 1	1 1 0	1 0 1

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 2 2	1 2 2	2 0 1	2 1 1	2 2 1
0 0 1	1 2 1	1 2 0	1 1 1	1 1 0

0 1 0	0 1 0	0 1 0	0 1 0	0 1 0
1 2 2	2 0 1	2 0 1	2 1 1	2 2 1
0 1 1	1 0 0	1 2 1	1 2 0	1 1 1

0 1 0	0 1 1	0 1 1	0 1 1	0 1 1
2 2 1	0 0 1	0 0 1	0 1 0	0 1 2
1 2 0	1 1 0	1 2 2	1 1 1	1 0 0

0 1 0	0 1 1	0 1 1	0 1 1	0 1 1
2 2 1	0 0 1	0 1 0	0 1 0	0 1 2
1 2 1	1 1 1	1 0 0	1 1 2	1 0 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
0 0 1	0 0 1	0 1 0	0 1 0	0 1 2
1 0 0	1 1 2	1 0 1	1 2 0	1 0 2

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
0 0 1	0 0 1	0 1 0	0 1 0	0 1 2
1 0 1	1 2 0	1 0 2	1 2 1	1 1 0

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
0 0 1	0 0 1	0 1 0	0 1 0	0 1 2
1 0 2	1 2 1	1 1 0	1 2 2	1 1 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
0 1 2	0 2 1	0 2 1	1 0 0	1 0 0
1 1 2	1 0 1	1 2 0	0 1 2	1 2 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
0 1 2	0 2 1	0 2 1	1 0 0	1 0 0
1 2 0	1 0 2	1 2 1	0 2 1	2 0 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
0 1 2	0 2 1	0 2 1	1 0 0	1 0 0
1 2 1	1 1 0	1 2 2	1 0 1	2 1 0

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
0 1 2	0 2 1	1 0 0	1 0 0	1 0 0
1 2 2	1 1 1	0 0 1	1 1 0	2 1 2

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
0 2 1	0 2 1	1 0 0	1 0 0	1 0 0
1 0 0	1 1 2	0 1 0	1 1 2	2 2 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 0 1	1 0 1	1 0 2	1 0 2	1 1 0
0 0 1	1 0 2	0 0 1	1 1 2	1 0 0

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 0 1	1 0 1	1 0 2	1 1 0	1 1 0
0 1 0	1 1 1	0 1 0	0 0 1	1 1 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 0 1	1 0 1	1 0 2	1 1 0	1 1 0
0 1 2	1 2 2	0 1 2	0 1 0	1 2 0

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 0 1	1 0 1	1 0 2	1 1 0	1 1 0
0 2 1	2 0 1	0 2 1	0 1 2	1 2 2

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 0 1	1 0 1	1 0 2	1 1 0	1 1 0
1 0 0	2 1 2	1 0 1	0 2 1	2 1 0

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 1 0	1 1 1	1 1 1	1 1 2	1 1 2
2 2 1	1 0 1	2 1 0	0 1 2	1 2 2

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 1 1	1 1 1	1 1 1	1 1 2	1 1 2
0 0 1	1 1 0	2 1 2	0 2 1	2 0 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 1 1	1 1 1	1 1 1	1 1 2	1 1 2
0 1 0	1 1 2	2 2 1	1 0 0	2 1 2

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 1 1	1 1 1	1 1 2	1 1 2	1 2 0
0 1 2	1 2 1	0 0 1	1 0 2	0 0 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 1 1	1 1 1	1 1 2	1 1 2	1 2 0
0 2 1	2 0 1	0 1 0	1 1 1	0 1 0

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 2 0	1 2 1	1 2 1	1 2 2	1 2 2
0 1 2	0 1 0	1 2 0	0 1 0	1 1 2

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 2 0	1 2 1	1 2 1	1 2 2	1 2 2
0 2 1	0 1 2	1 2 2	0 1 2	1 2 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 2 0	1 2 1	1 2 1	1 2 2	1 2 2
1 1 0	0 2 1	2 1 0	0 2 1	2 0 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 2 0	1 2 1	1 2 1	1 2 2	1 2 2
1 2 1	1 0 0	2 2 1	1 0 1	2 1 0

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 2 1	1 2 1	1 2 2	1 2 2	1 2 2
0 0 1	1 1 1	0 0 1	1 1 0	2 1 2

0 1 1	0 1 1	0 1 1	0 1 1	0 1 1
1 2 2	2 0 1	2 1 0	2 1 2	2 2 1
2 2 1	1 2 2	1 2 2	1 2 2	1 2 2

0 1 1	0 1 1	0 1 1	0 1 1	0 1 2
2 0 1	2 1 0	2 1 2	2 2 1	0 0 1
1 0 0	1 0 0	1 0 0	1 0 0	1 0 0

0 1 1	0 1 1	0 1 1	0 1 1	0 1 2
2 0 1	2 1 0	2 1 2	2 2 1	0 0 1
1 0 1	1 1 0	1 0 1	1 1 0	1 0 1

0 1 1	0 1 1	0 1 1	0 1 1	0 1 2
2 0 1	2 1 0	2 1 2	2 2 1	0 0 1
1 1 1	1 1 1	1 1 1	1 1 1	1 0 2

0 1 1	0 1 1	0 1 1	0 1 1	0 1 2
2 0 1	2 1 0	2 1 2	2 2 1	0 0 1
1 1 2	1 2 1	1 1 2	1 2 1	1 1 0



0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
0 0 1	0 1 1	0 1 1	1 0 0	1 0 1
1 1 1	1 0 0	1 1 2	0 1 1	0 0 1

0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
0 0 1	0 1 1	0 1 1	1 0 0	1 0 1
1 1 2	1 0 1	1 2 0	1 0 1	0 1 1

0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
0 0 1	0 1 1	0 1 1	1 0 0	1 0 1
1 2 0	1 0 2	1 2 1	1 1 1	1 0 0

0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
0 0 1	0 1 1	0 1 1	1 0 0	1 0 1
1 2 1	1 1 0	1 2 2	2 0 1	1 0 2

0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
0 0 1	0 1 1	1 0 0	1 0 0	1 0 1
1 2 2	1 1 1	0 0 1	2 1 1	1 1 2

0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
1 0 1	1 1 0	1 1 1	1 1 1	1 1 2
2 0 1	0 1 1	0 1 1	2 1 1	1 1 1

0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
1 0 2	1 1 0	1 1 1	1 1 1	1 1 2
0 0 1	1 1 1	1 0 0	2 2 1	2 0 1

0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
1 0 2	1 1 0	1 1 1	1 1 2	1 1 2
0 1 1	1 2 1	1 1 0	0 0 1	2 1 1

0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
1 0 2	1 1 0	1 1 1	1 1 2	1 2 0
1 0 1	2 2 1	1 1 2	0 1 1	0 0 1

0 1 2	0 1 2	0 1 2	0 1 2	0 1 2
1 1 0	1 1 1	1 1 1	1 1 2	1 2 0
0 0 1	0 0 1	1 2 2	1 0 1	0 1 1

0 1 2	0 1 2	0 1 2	0 1 2	0 2 1
1 2 0	1 2 1	1 2 2	2 1 1	0 1 0
1 2 1	1 2 2	2 2 1	1 1 1	1 0 0

0 1 2	0 1 2	0 1 2	0 1 2	0 2 1
1 2 1	1 2 2	2 0 1	2 1 1	0 1 0
0 0 1	0 0 1	1 0 0	1 1 2	1 0 1

0 1 2	0 1 2	0 1 2	0 1 2	0 2 1
1 2 1	1 2 2	2 0 1	2 2 1	0 1 0
0 1 1	0 1 1	1 0 1	1 1 0	1 0 2

0 1 2	0 1 2	0 1 2	0 1 2	0 2 1
1 2 1	1 2 2	2 0 1	2 2 1	0 1 0
1 1 0	1 1 1	1 1 2	1 1 1	1 1 0

0 1 2	0 1 2	0 1 2	0 1 2	0 2 1
1 2 1	1 2 2	2 1 1	2 2 1	0 1 0
1 2 0	1 2 1	1 0 0	1 2 2	1 1 1

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
0 1 0	0 1 1	0 1 1	1 0 0	1 0 1
1 1 2	1 0 1	1 2 0	1 1 0	0 1 1

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
0 1 0	0 1 1	0 1 1	1 0 0	1 0 1
1 2 0	1 0 2	1 2 1	1 1 1	1 1 1

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
0 1 0	0 1 1	0 1 1	1 0 0	1 0 1
1 2 1	1 1 0	1 2 2	2 1 0	1 1 2

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
0 1 0	0 1 1	1 0 0	1 0 0	1 0 1
1 2 2	1 1 1	0 1 0	2 1 1	2 1 2

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
0 1 1	0 1 1	1 0 0	1 0 1	1 0 2
1 0 0	1 1 2	0 1 1	0 1 0	0 1 0

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
1 0 2	1 1 0	1 1 1	1 1 1	1 1 2
0 1 1	1 2 0	1 0 0	2 1 2	1 2 2

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
1 0 2	1 1 0	1 1 1	1 1 2	1 2 0
1 1 2	1 2 1	1 0 1	0 1 0	0 1 0

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
1 1 0	1 1 0	1 1 1	1 1 2	1 2 0
0 1 0	2 1 0	1 2 1	0 1 1	0 1 1

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
1 1 0	1 1 1	1 1 1	1 1 2	1 2 0
0 1 1	0 1 0	1 2 2	1 0 1	1 1 0

0 2 1	0 2 1	0 2 1	0 2 1	0 2 1
1 1 0	1 1 1	1 1 1	1 1 2	1 2 1
1 0 0	0 1 1	2 1 1	1 0 2	0 1 0

0 2 1	0 2 1	0 2 1	0 2 1	1 0 0
1 2 1	1 2 2	2 1 0	2 1 1	0 0 1
0 1 1	0 1 0	1 0 0	1 2 1	0 1 1

0 2 1	0 2 1	0 2 1	0 2 1	1 0 0
1 2 1	1 2 2	2 1 0	2 1 2	0 0 1
1 1 0	0 1 1	1 1 0	1 0 1	0 1 2

0 2 1	0 2 1	0 2 1	0 2 1	1 0 0
1 2 1	1 2 2	2 1 0	2 1 2	0 0 1
1 1 1	1 1 1	1 2 1	1 1 1	1 1 0

0 2 1	0 2 1	0 2 1	0 2 1	1 0 0
1 2 1	1 2 2	2 1 1	2 1 2	0 0 1
2 1 0	1 1 2	1 0 0	1 2 2	1 1 1

0 2 1	0 2 1	0 2 1	1 0 0	1 0 0
1 2 1	1 2 2	2 1 1	0 0 1	0 0 1
2 1 1	2 1 2	1 1 1	0 1 0	1 1 2

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 0 1	0 1 0	0 1 0	0 1 1	0 1 1
2 1 0	0 2 1	2 1 1	0 2 1	2 0 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 0 1	0 1 0	0 1 0	0 1 1	0 1 1
2 1 1	1 0 1	2 2 1	1 0 1	2 1 0

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 0 1	0 1 0	0 1 1	0 1 1	0 1 1
2 1 2	1 1 1	0 0 1	1 1 0	2 1 2

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 1 0	0 1 0	0 1 1	0 1 1	0 1 1
0 0 1	1 2 1	0 1 0	1 1 2	2 2 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 1 0	0 1 0	0 1 1	0 1 1	0 1 2
0 1 1	2 0 1	0 1 2	1 2 1	0 0 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 1 2	0 2 1	0 2 1	1 0 1	1 1 0
0 1 1	0 1 0	2 1 1	1 1 1	0 0 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 1 2	0 2 1	1 0 1	1 0 1	1 1 0
1 0 1	0 1 1	0 1 0	1 1 2	0 1 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 1 2	0 2 1	1 0 1	1 0 1	1 1 0
1 1 1	1 1 0	0 1 1	2 1 0	0 2 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 1 2	0 2 1	1 0 1	1 0 1	1 1 0
2 0 1	1 1 1	0 1 2	2 1 1	1 0 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
0 1 2	0 2 1	1 0 1	1 0 1	1 1 0
2 1 1	2 1 0	1 1 0	2 1 2	1 1 1



1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
1 1 0	1 1 1	1 1 1	1 1 1	1 1 2
1 2 1	0 1 0	1 1 2	2 2 1	2 0 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
1 1 0	1 1 1	1 1 1	1 1 2	1 1 2
2 0 1	0 1 2	1 2 1	0 0 1	2 1 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
1 1 0	1 1 1	1 1 1	1 1 2	1 2 1
2 1 1	0 2 1	2 0 1	0 1 1	0 1 0

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
1 1 0	1 1 1	1 1 1	1 1 2	1 2 1
2 2 1	1 0 1	2 1 0	1 0 1	0 1 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
1 1 1	1 1 1	1 1 1	1 1 2	1 2 1
0 0 1	1 1 0	2 1 2	1 1 1	1 1 0

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
1 2 1	2 0 1	2 0 1	2 1 0	2 1 0
1 1 1	0 1 2	2 1 1	1 0 1	2 2 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
1 2 1	2 0 1	2 0 1	2 1 0	2 1 1
2 1 0	1 1 0	2 1 2	1 1 1	0 0 1

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
1 2 1	2 0 1	2 1 0	2 1 0	2 1 1
2 1 1	1 1 1	0 0 1	1 2 1	0 1 0

1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
2 0 1	2 0 1	2 1 0	2 1 0	2 1 1
0 1 0	1 1 2	0 1 1	2 0 1	0 1 2

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1 0 0	1 0 0	1 0 0	1 0 0	1 0 1
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1 1 2	1 2 0	1 2 0	1 2 0	1 2 0
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2 1 2	2 1 2	2 1 2	2 2 1	2 2 1
2 1 1	2 1 1	2 2 1	0 1 0	0 1 1
1 0 0	1 1 2	1 2 0	1 2 0	1 2 1

2 1 2	2 1 2	2 2 1	2 2 1	2 2 1
2 1 1	2 2 1	0 1 0	0 1 0	0 1 1
1 0 1	1 0 1	1 0 0	1 2 1	1 2 2

2 1 2	2 1 2	2 2 1	2 2 1	2 2 1
2 1 1	2 2 1	0 1 0	0 1 1	0 1 2
1 0 2	1 0 2	1 0 1	1 0 0	1 1 0

2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
0 1 2	1 0 0	1 0 1	1 0 2	1 1 0
1 1 1	1 1 1	1 1 1	2 1 2	1 0 1

2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
0 1 2	1 0 0	1 0 1	1 1 0	1 1 0
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2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
1 0 0	1 0 0	1 0 1	1 1 0	1 1 0
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2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
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0 1 1	0 1 0	1 1 0	0 1 2	1 2 1

2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
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2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
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2 1 2	1 0 1	2 1 0	1 1 1	1 1 0

2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
1 1 1	1 1 1	1 1 1	1 2 0	1 2 1
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2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
1 1 1	1 1 1	1 1 1	1 2 0	1 2 1
0 1 1	1 2 0	2 1 2	2 1 2	2 1 0



2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
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2 1 1	2 1 0	1 2 2	1 2 0	1 1 1

2 2 1	2 2 1	2 2 1	2 2 1	2 2 1
1 2 2	2 1 0	2 1 1	2 1 1	2 1 2
0 1 1	1 0 0	1 0 0	1 2 1	1 2 0

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0 1 2	1 1 0	1 0 1	1 0 1	

2 2 1	2 2 1	2 2 1	2 2 1
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1 1 1	1 2 1	1 1 1	1 1 0