24.THE BEGINNING STAGE FEEDBACKS
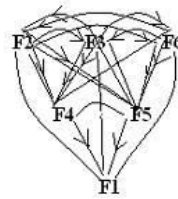
Level 1 grade 1 feedbacks
Simple feedbacks table
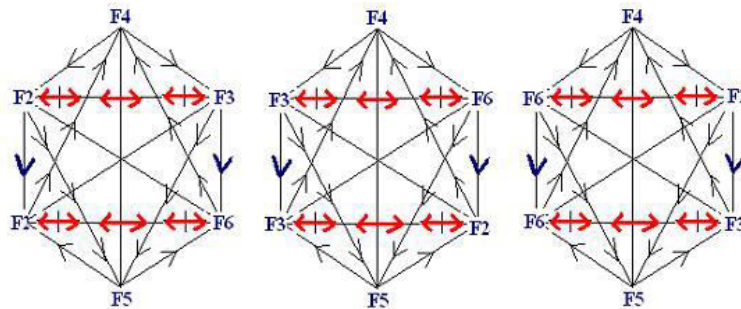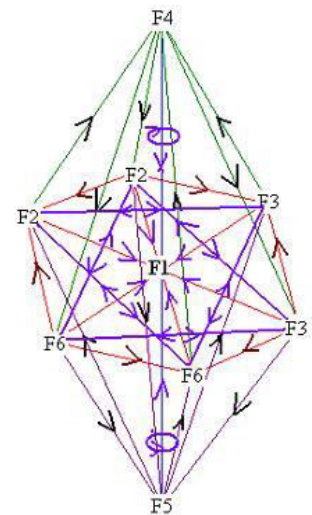
Simple feedbacks are grouped according to common characteristics given by arcs and orientations.

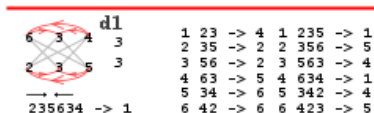| ○	F1	F2	F3	F4	F5	F6
F1	F1	F2	F3	F4	F5	F6
F2	F2	F1	F4	F3	F6	F5
F3	F3	F5	F1	F6	F2	F4
F4	F4	F6	F2	F5	F1	F3
F5	F5	F3	F6	F1	F4	F2
F6	F6	F4	F5	F2	F3	F1

$F1(X)=X$
$F2(X)=1-X$
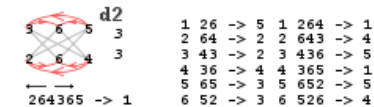$F3(X)=1/X$
$F4(X)=1-1/X$
$F5(X)=1/1-X$
$F6(X)=X/1-X$

The resulting tables can be translated functionally and semantically. For the space in which we operate these tables are given below:

d1

```
1 23 -> 4    1 235 -> 1
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 563 -> 4
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 342 -> 4
235634 -> 1  6 42 -> 6    6 423 -> 5

1 2356 -> 6   1 23563 -> 5   1 235634 -> 1
2 3563 -> 6   2 35634 -> 2   2 356342 -> 1
3 5634 -> 5   3 56342 -> 3   3 563423 -> 1
4 6342 -> 2   4 63423 -> 4   4 634235 -> 1
5 3423 -> 2   5 34235 -> 6   5 342356 -> 1
6 4235 -> 4   6 42356 -> 3   6 423563 -> 1
```
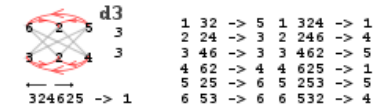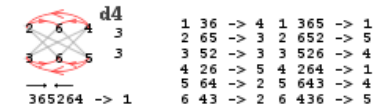
d5

```
1 62 -> 4    1 625 -> 1
2 25 -> 6    2 253 -> 5
3 53 -> 6    3 532 -> 4
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 246 -> 4
625324 -> 1  6 46 -> 3    6 462 -> 5

1 6253 -> 3   1 62532 -> 5   1 625324 -> 1
2 2532 -> 3   2 25324 -> 6   2 253246 -> 1
3 5324 -> 5   3 53246 -> 2   3 532462 -> 1
4 3246 -> 6   4 32462 -> 4   4 324625 -> 1
5 2462 -> 6   5 24625 -> 3   5 246253 -> 1
6 4625 -> 4   6 46253 -> 2   6 462532 -> 1
```

e3

```
1 32 -> 5    1 325 -> 4
2 25 -> 6    2 253 -> 5
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 643 -> 4
325364 -> 1  6 43 -> 2    6 432 -> 1

1 3253 -> 2   1 32536 -> 5   1 325364 -> 1
2 2536 -> 2   2 25364 -> 3   2 253643 -> 1
3 5364 -> 4   3 53643 -> 2   3 536432 -> 1
4 3643 -> 6   4 36432 -> 4   4 364325 -> 1
5 6432 -> 6   5 64325 -> 3   5 643253 -> 1
6 4325 -> 5   6 43253 -> 6   6 432536 -> 1
```

d2

```
1 26 -> 5    1 264 -> 1
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 436 -> 5
4 36 -> 4    4 365 -> 1
5 65 -> 3    5 652 -> 5
264365 -> 1  6 52 -> 3    6 526 -> 4

1 2643 -> 3   1 26436 -> 4   1 264365 -> 1
2 6436 -> 3   2 64365 -> 2   2 643652 -> 1
3 4365 -> 4   3 43652 -> 6   3 436526 -> 1
4 3652 -> 2   4 36526 -> 5   4 365264 -> 1
5 6526 -> 2   5 65264 -> 3   5 652643 -> 1
6 5264 -> 5   6 52643 -> 6   6 526436 -> 1
```
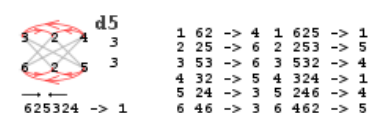
d6

```
1 63 -> 5    1 634 -> 1
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 423 -> 5
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 356 -> 5
634235 -> 1  6 56 -> 2    6 563 -> 4

1 6342 -> 2   1 63423 -> 4   1 634235 -> 1
2 3423 -> 2   2 34235 -> 6   2 342356 -> 1
3 4235 -> 4   3 42356 -> 3   3 423563 -> 1
4 2356 -> 6   4 23563 -> 5   4 235634 -> 1
5 3563 -> 6   5 35634 -> 2   5 356342 -> 1
6 5634 -> 5   6 56342 -> 3   6 563423 -> 1
```

e4

```
1 36 -> 4    1 364 -> 5
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 432 -> 5
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 253 -> 5
364325 -> 1  6 53 -> 6    6 536 -> 1

1 3643 -> 6   1 36432 -> 4   1 364325 -> 1
2 6432 -> 6   2 64325 -> 3   2 643253 -> 1
3 4325 -> 5   3 43253 -> 6   3 432536 -> 1
4 3253 -> 2   4 32536 -> 5   4 325364 -> 1
5 2536 -> 2   5 25364 -> 3   5 253643 -> 1
6 5364 -> 4   6 53643 -> 2   6 536432 -> 1
```

d3

```
1 32 -> 5    1 324 -> 1
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 462 -> 5
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 253 -> 5
324625 -> 1  6 53 -> 6    6 532 -> 4

1 3246 -> 6   1 32462 -> 4   1 324625 -> 1
2 2462 -> 6   2 24625 -> 3   2 246253 -> 1
3 4625 -> 4   3 46253 -> 2   3 462532 -> 1
4 6253 -> 3   4 62532 -> 5   4 625324 -> 1
5 2532 -> 3   5 25324 -> 6   5 253246 -> 1
6 5324 -> 5   6 53246 -> 2   6 532462 -> 1
```
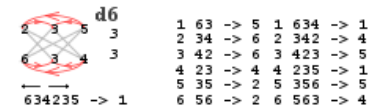
e1

```
1 23 -> 4    1 234 -> 5
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 652 -> 5
234265 -> 1  6 52 -> 3    6 523 -> 1

1 2342 -> 3   1 23426 -> 4   1 234265 -> 1
2 3426 -> 3   2 34265 -> 2   2 342652 -> 1
3 4265 -> 5   3 42652 -> 3   3 426523 -> 1
4 2652 -> 6   4 26523 -> 5   4 265234 -> 1
5 6523 -> 6   5 65234 -> 2   5 652342 -> 1
6 5234 -> 6   6 52342 -> 6   6 523426 -> 1
```

e5

```
1 62 -> 4    1 624 -> 5
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 463 -> 4
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 356 -> 5
624635 -> 1  6 56 -> 2    6 562 -> 1

1 6246 -> 2   1 62463 -> 4   1 624635 -> 1
2 2463 -> 2   2 24635 -> 6   2 246356 -> 1
3 4635 -> 5   3 46356 -> 2   3 463562 -> 1
4 6356 -> 3   4 63562 -> 5   4 635624 -> 1
5 3562 -> 6   5 35624 -> 6   5 356246 -> 1
6 5624 -> 4   6 56246 -> 3   6 562463 -> 1
```

d4

```
1 36 -> 4    1 365 -> 1
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 526 -> 4
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 643 -> 4
365264 -> 1  6 43 -> 2    6 436 -> 5

1 3652 -> 2   1 36526 -> 5   1 365264 -> 1
2 6526 -> 2   2 65264 -> 3   2 652643 -> 1
3 5264 -> 5   3 52643 -> 6   3 526436 -> 1
4 2643 -> 3   4 26436 -> 4   4 264365 -> 1
5 6436 -> 3   5 64365 -> 2   5 643652 -> 1
6 4365 -> 4   6 43652 -> 6   6 436526 -> 1
```
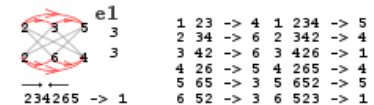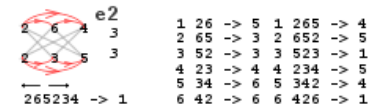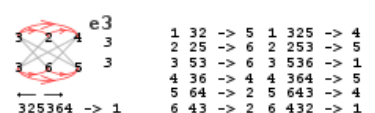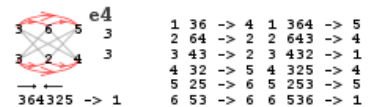
e2

```
1 26 -> 5    1 265 -> 4
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 342 -> 4
265234 -> 1  6 42 -> 6    6 426 -> 1

1 2652 -> 6   1 26523 -> 5   1 265234 -> 1
2 6523 -> 6   2 65234 -> 2   2 652342 -> 1
3 5234 -> 4   3 52342 -> 6   3 523426 -> 1
4 2342 -> 3   4 23426 -> 4   4 234265 -> 1
5 3426 -> 3   5 34265 -> 2   5 342652 -> 1
6 4265 -> 5   6 42652 -> 3   6 426523 -> 1
```
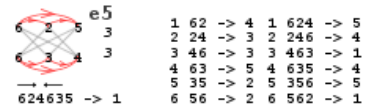
e6

```
1 63 -> 5    1 635 -> 4
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 562 -> 4
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 246 -> 4
635624 -> 1  6 46 -> 3    6 463 -> 1

1 6356 -> 3   1 63562 -> 5   1 635624 -> 1
2 3562 -> 3   2 35624 -> 6   2 356246 -> 1
3 5624 -> 4   3 56246 -> 3   3 562463 -> 1
4 6246 -> 2   4 62463 -> 4   4 624635 -> 1
5 2463 -> 2   5 24635 -> 6   5 246356 -> 1
6 4635 -> 5   6 46356 -> 2   6 463562 -> 1
```

b1

```
265334 -> 5

1 26 -> 5   1 265 -> 4
2 65 -> 3   2 653 -> 1
3 53 -> 6   3 533 -> 5
4 33 -> 1   4 334 -> 4
5 34 -> 6   5 342 -> 4
6 42 -> 6   6 426 -> 1

1 2653 -> 2   1 26533 -> 4   1 265334 -> 5
2 6533 -> 3   2 65334 -> 6   2 653342 -> 4
3 5334 -> 1   3 53342 -> 2   3 533426 -> 5
4 3342 -> 6   4 33426 -> 1   4 334265 -> 5
5 3426 -> 3   5 34265 -> 2   5 342653 -> 4
6 4265 -> 5   6 42653 -> 6   6 426533 -> 5
```

b5

```
364225 -> 4

1 36 -> 4   1 364 -> 5
2 64 -> 2   2 642 -> 1
3 42 -> 6   3 422 -> 4
4 22 -> 1   4 225 -> 5
5 25 -> 6   5 253 -> 5
6 53 -> 6   6 536 -> 1

1 3642 -> 3   1 36422 -> 5   1 364225 -> 4
2 6422 -> 2   2 64225 -> 6   2 642253 -> 4
3 4225 -> 1   3 42253 -> 3   3 422536 -> 4
4 2253 -> 6   4 22536 -> 1   4 225364 -> 4
5 2536 -> 2   5 25364 -> 3   5 253642 -> 5
6 5364 -> 4   6 53642 -> 6   6 536422 -> 4
```

c3

```
665324 -> 5

1 66 -> 1   1 665 -> 5
2 65 -> 3   2 653 -> 1
3 53 -> 6   3 532 -> 4
4 32 -> 5   4 324 -> 1
5 24 -> 3   5 246 -> 4
6 46 -> 3   6 466 -> 4

1 6653 -> 6   1 66532 -> 4   1 665324 -> 5
2 6532 -> 2   2 65324 -> 3   2 653246 -> 4
3 5324 -> 5   3 53246 -> 2   3 532466 -> 5
4 3246 -> 6   4 32466 -> 1   4 324665 -> 5
5 2466 -> 3   5 24665 -> 2   5 246653 -> 4
6 4665 -> 1   6 46653 -> 3   6 466532 -> 5
```

b2

```
325664 -> 5

1 32 -> 5   1 325 -> 4
2 25 -> 6   2 256 -> 1
3 56 -> 2   3 566 -> 5
4 66 -> 1   4 664 -> 4
5 64 -> 2   5 643 -> 4
6 43 -> 2   6 432 -> 1

1 3256 -> 3   1 32566 -> 4   1 325664 -> 5
2 2566 -> 6   2 25664 -> 2   2 256643 -> 4
3 5664 -> 1   3 56643 -> 3   3 566432 -> 5
4 6643 -> 2   4 66432 -> 1   4 664325 -> 5
5 6432 -> 6   5 64325 -> 3   5 643256 -> 4
6 4325 -> 5   6 43256 -> 2   6 432566 -> 5
```
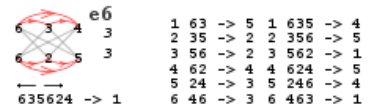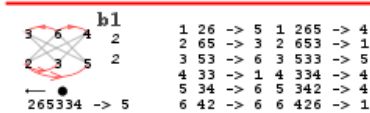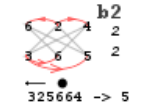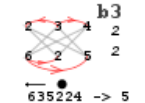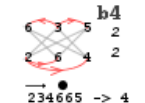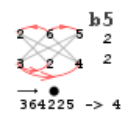
b6

```
624335 -> 4

1 62 -> 4   1 624 -> 5
2 24 -> 3   2 243 -> 1
3 43 -> 2   3 433 -> 4
4 33 -> 1   4 335 -> 5
5 35 -> 2   5 356 -> 5
6 56 -> 2   6 562 -> 1

1 6243 -> 6   1 62433 -> 5   1 624335 -> 4
2 2433 -> 3   2 24335 -> 2   2 243356 -> 5
3 4335 -> 1   3 43356 -> 6   3 433562 -> 4
4 3356 -> 2   4 33562 -> 1   4 335624 -> 4
5 3562 -> 3   5 35624 -> 6   5 356243 -> 5
6 5624 -> 4   6 56243 -> 2   6 562433 -> 4
```

c4

```
224365 -> 4

1 22 -> 1   1 224 -> 4
2 24 -> 3   2 243 -> 1
3 43 -> 2   3 436 -> 5
4 36 -> 4   4 365 -> 1
5 65 -> 3   5 652 -> 5
6 52 -> 3   6 522 -> 5

1 2243 -> 2   1 22436 -> 5   1 224365 -> 4
2 2436 -> 6   2 24365 -> 3   2 243652 -> 5
3 4365 -> 4   3 43652 -> 6   3 436522 -> 5
4 3652 -> 2   4 36522 -> 1   4 365224 -> 4
5 6522 -> 3   5 65224 -> 2   5 652243 -> 5
6 5224 -> 1   6 52243 -> 3   6 522436 -> 4
```

b3

```
635224 -> 5

1 63 -> 5   1 635 -> 4
2 35 -> 2   2 352 -> 1
3 52 -> 3   3 522 -> 5
4 22 -> 1   4 224 -> 4
5 24 -> 3   5 246 -> 4
6 46 -> 3   6 463 -> 1

1 6352 -> 6   1 63522 -> 4   1 635224 -> 5
2 3522 -> 2   2 35224 -> 3   2 352246 -> 4
3 5224 -> 1   3 52246 -> 6   3 522463 -> 5
4 2246 -> 3   4 22463 -> 1   4 224635 -> 5
5 2463 -> 2   5 24635 -> 6   5 246352 -> 4
6 4635 -> 5   6 46352 -> 3   6 463522 -> 5
```
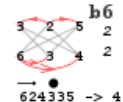
c1

```
225634 -> 5

1 22 -> 1   1 225 -> 5
2 25 -> 6   2 256 -> 1
3 56 -> 2   3 563 -> 4
4 63 -> 5   4 634 -> 1
5 34 -> 6   5 342 -> 4
6 42 -> 6   6 422 -> 4

1 2256 -> 2   1 22563 -> 4   1 225634 -> 5
2 2563 -> 3   2 25634 -> 6   2 256342 -> 4
3 5634 -> 5   3 56342 -> 3   3 563422 -> 5
4 6342 -> 2   4 63422 -> 1   4 634225 -> 5
5 3422 -> 6   5 34225 -> 3   5 342256 -> 4
6 4225 -> 1   6 42256 -> 6   6 422563 -> 5
```

c5

```
334625 -> 4

1 33 -> 1   1 334 -> 4
2 34 -> 6   2 346 -> 1
3 46 -> 3   3 462 -> 5
4 62 -> 4   4 625 -> 1
5 25 -> 6   5 253 -> 5
6 53 -> 6   6 533 -> 5

1 3346 -> 3   1 33462 -> 5   1 334625 -> 4
2 3462 -> 2   2 34625 -> 6   2 346253 -> 5
3 4625 -> 4   3 46253 -> 2   3 462533 -> 4
4 6253 -> 3   4 62533 -> 1   4 625334 -> 4
5 2533 -> 6   5 25334 -> 2   5 253346 -> 5
6 5334 -> 1   6 53346 -> 6   6 533462 -> 4
```

b4

```
234665 -> 4

1 23 -> 4   1 234 -> 5
2 34 -> 6   2 346 -> 1
3 46 -> 3   3 466 -> 4
4 66 -> 1   4 665 -> 5
5 65 -> 3   5 652 -> 5
6 52 -> 3   6 523 -> 1

1 2346 -> 2   1 23466 -> 5   1 234665 -> 4
2 3466 -> 6   2 34665 -> 3   2 346652 -> 5
3 4665 -> 1   3 46652 -> 2   3 466523 -> 4
4 6652 -> 3   4 66523 -> 1   4 665234 -> 4
5 6523 -> 6   5 65234 -> 2   5 652346 -> 5
6 5234 -> 4   6 52346 -> 3   6 523466 -> 4
```
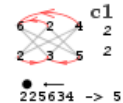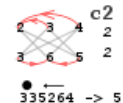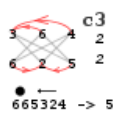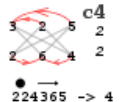
c2

```
335264 -> 5

1 33 -> 1   1 335 -> 5
2 35 -> 2   2 352 -> 1
3 52 -> 3   3 526 -> 4
4 26 -> 5   4 264 -> 1
5 64 -> 2   5 643 -> 4
6 43 -> 2   6 433 -> 4

1 3352 -> 3   1 33526 -> 4   1 335264 -> 5
2 3526 -> 6   2 35264 -> 2   2 352643 -> 4
3 5264 -> 5   3 52643 -> 6   3 526433 -> 5
4 2643 -> 3   4 26433 -> 1   4 264335 -> 5
5 6433 -> 2   5 64335 -> 6   5 643352 -> 4
6 4335 -> 1   6 43352 -> 2   6 433526 -> 5
```

c6

```
664235 -> 4

1 66 -> 1   1 664 -> 4
2 64 -> 2   2 642 -> 1
3 42 -> 6   3 423 -> 5
4 23 -> 4   4 235 -> 1
5 35 -> 2   5 356 -> 5
6 56 -> 2   6 566 -> 5

1 6642 -> 6   1 66423 -> 5   1 664235 -> 4
2 6423 -> 3   2 64235 -> 2   2 642356 -> 5
3 4235 -> 4   3 42356 -> 3   3 423566 -> 5
4 2356 -> 6   4 23566 -> 1   4 235664 -> 4
5 3566 -> 2   5 35664 -> 3   5 356642 -> 5
6 5664 -> 1   6 56642 -> 2   6 566423 -> 4
```

@1

```
2 2 4   0
2 2 4   0
 • •
224224 -> 5
```

```
1 22 -> 1    1 224 -> 4
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 422 -> 4
```
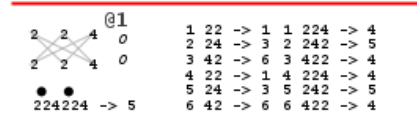
```
1 2242 -> 6   1 22422 -> 4   1 224224 -> 5
2 2422 -> 3   2 24224 -> 6   2 242242 -> 4
3 4224 -> 5   3 42242 -> 3   3 422422 -> 5
4 2242 -> 6   4 22422 -> 4   4 224224 -> 5
5 2422 -> 3   5 24224 -> 6   5 242242 -> 4
6 4224 -> 5   6 42242 -> 3   6 422422 -> 5
```

@2

```
3 3 4   0
3 3 4   0
 • •
334334 -> 5
```

```
1 33 -> 1    1 334 -> 4
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 433 -> 4
```
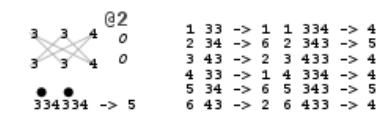
```
1 3343 -> 2   1 33433 -> 4   1 334334 -> 5
2 3433 -> 6   2 34334 -> 2   2 343343 -> 4
3 4334 -> 5   3 43343 -> 6   3 433433 -> 5
4 3343 -> 2   4 33433 -> 4   4 334334 -> 5
5 3433 -> 6   5 34334 -> 2   5 343343 -> 4
6 4334 -> 5   6 43343 -> 6   6 433433 -> 5
```

@3

```
6 6 4   0
6 6 4   0
 • •
664664 -> 5
```

```
1 66 -> 1    1 664 -> 4
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 466 -> 4
```

```
1 6646 -> 3   1 66466 -> 4   1 664664 -> 5
2 6466 -> 2   2 64664 -> 3   2 646646 -> 5
3 4664 -> 5   3 46646 -> 2   3 466466 -> 5
4 6646 -> 3   4 66466 -> 4   4 664664 -> 5
5 6466 -> 2   5 64664 -> 3   5 646646 -> 5
6 4664 -> 5   6 46646 -> 2   6 466466 -> 5
```

@4

```
2 2 5   0
2 2 5   0
 • •
225225 -> 4
```

```
1 22 -> 1    1 225 -> 4
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 225 -> 4
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 522 -> 5
```

```
1 2252 -> 3   1 22522 -> 5   1 225225 -> 4
2 2522 -> 6   2 25225 -> 3   2 252252 -> 5
3 5225 -> 4   3 52252 -> 6   3 522522 -> 4
4 2252 -> 3   4 22522 -> 5   4 225225 -> 4
5 2522 -> 6   5 25225 -> 3   5 252252 -> 5
6 5225 -> 4   6 52252 -> 6   6 522522 -> 4
```

@5

```
3 3 5   0
3 3 5   0
 • •
335335 -> 4
```

```
1 33 -> 1    1 335 -> 5
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 533 -> 5
```

```
1 3353 -> 6   1 33533 -> 5   1 335335 -> 4
2 3533 -> 2   2 35335 -> 6   2 353353 -> 4
3 5335 -> 4   3 53353 -> 2   3 533533 -> 4
4 3353 -> 6   4 33533 -> 5   4 335335 -> 4
5 3533 -> 2   5 35335 -> 6   5 353353 -> 4
6 5335 -> 4   6 53353 -> 2   6 533533 -> 4
```

@6

```
6 6 5   0
6 6 5   0
 • •
665665 -> 4
```

```
1 66 -> 1    1 665 -> 5
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 566 -> 5
```

```
1 6656 -> 2   1 66566 -> 5   1 665665 -> 4
2 6566 -> 3   2 65665 -> 2   2 656656 -> 5
3 5665 -> 4   3 56656 -> 3   3 566566 -> 4
4 6656 -> 2   4 66566 -> 5   4 665665 -> 4
5 6566 -> 3   5 65665 -> 2   5 656656 -> 5
6 5665 -> 4   6 56656 -> 3   6 566566 -> 4
```

a1

```
2 3 4   3
2 3 4   3
→
235234 -> 5
```

```
1 23 -> 4    1 235 -> 1
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 342 -> 4
6 42 -> 6    6 423 -> 5
```

```
1 2352 -> 2   1 23523 -> 4   1 235234 -> 5
2 3523 -> 3   2 35234 -> 6   2 352342 -> 4
3 5234 -> 6   3 52342 -> 6   3 523423 -> 5
4 2342 -> 3   4 23423 -> 1   4 234235 -> 5
5 3423 -> 2   5 34235 -> 6   5 342352 -> 4
6 4235 -> 5   6 42352 -> 6   6 423523 -> 5
```

a2

```
3 6 4   3
3 6 4   3
→
365364 -> 5
```

```
1 36 -> 4    1 365 -> 1
2 65 -> 3    2 653 -> 1
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 643 -> 4
6 43 -> 2    6 436 -> 5
```

```
1 3653 -> 3   1 36536 -> 4   1 365364 -> 5
2 6536 -> 6   2 65364 -> 2   2 653643 -> 4
3 5364 -> 4   3 53643 -> 2   3 536436 -> 5
4 3643 -> 6   4 36436 -> 1   4 364365 -> 5
5 6436 -> 3   5 64365 -> 2   5 643653 -> 4
6 4365 -> 4   6 43653 -> 2   6 436536 -> 5
```

a3

```
6 2 4   3
6 2 4   3
→
625624 -> 5
```

```
1 62 -> 4    1 625 -> 1
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 246 -> 4
6 46 -> 3    6 462 -> 5
```

```
1 6256 -> 6   1 62562 -> 4   1 625624 -> 5
2 2562 -> 2   2 25624 -> 3   2 256246 -> 4
3 5624 -> 3   3 56246 -> 3   3 562462 -> 5
4 6246 -> 2   4 62462 -> 1   4 624625 -> 5
5 2462 -> 6   5 24625 -> 3   5 246256 -> 4
6 4625 -> 4   6 46256 -> 3   6 462562 -> 5
```

a4

```
2 6 5   3
2 6 5   3
←
264265 -> 4
```

```
1 26 -> 5    1 264 -> 1
2 64 -> 2    2 642 -> 1
3 42 -> 3    3 426 -> 1
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 652 -> 5
6 52 -> 3    6 526 -> 4
```

```
1 2642 -> 2   1 26426 -> 5   1 264265 -> 4
2 6426 -> 6   2 64265 -> 3   2 642652 -> 5
3 4265 -> 5   3 42652 -> 3   3 426526 -> 4
4 2652 -> 6   4 26526 -> 1   4 265264 -> 4
5 6526 -> 2   5 65264 -> 3   5 652642 -> 5
6 5264 -> 5   6 52642 -> 3   6 526426 -> 4
```
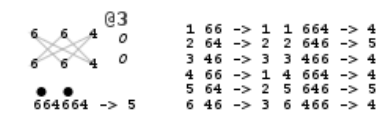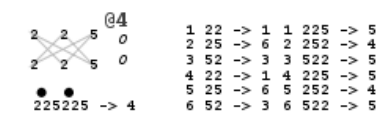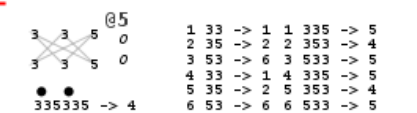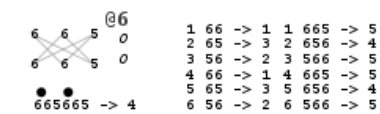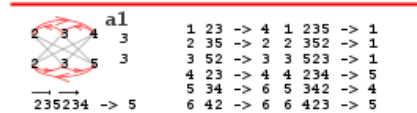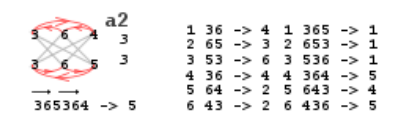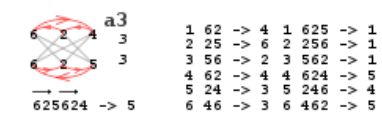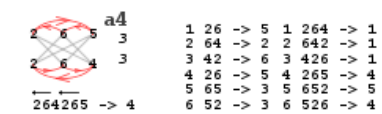
a5

```
3 2 5   3
3 2 5   3
←
324325 -> 4
```

```
1 32 -> 5    1 324 -> 1
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 253 -> 5
6 53 -> 6    6 532 -> 4
```
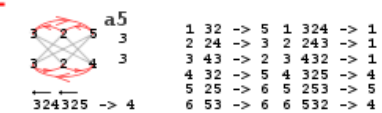
```
1 3243 -> 3   1 32432 -> 5   1 324325 -> 4
2 2432 -> 2   2 24325 -> 6   2 243253 -> 4
3 4325 -> 5   3 43253 -> 6   3 432532 -> 4
4 3253 -> 2   4 32532 -> 1   4 325324 -> 4
5 2532 -> 3   5 25324 -> 6   5 253243 -> 5
6 5324 -> 5   6 53243 -> 6   6 532432 -> 4
```

a6

```
6 3 5   3
6 3 5   3
←
634635 -> 4
```

```
1 63 -> 5    1 634 -> 1
2 34 -> 6    2 346 -> 1
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 356 -> 5
6 56 -> 2    6 563 -> 4
```
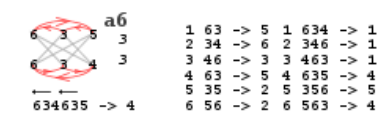
```
1 6346 -> 6   1 63463 -> 5   1 634635 -> 4
2 3463 -> 3   2 34635 -> 2   2 346356 -> 5
3 4635 -> 5   3 46356 -> 2   3 463563 -> 4
4 6356 -> 3   4 63563 -> 1   4 635634 -> 4
5 3563 -> 6   5 35634 -> 2   5 356346 -> 5
6 5634 -> 5   6 56346 -> 2   6 563463 -> 4
```

Y1

6 6 4
2
2 4
2
264624 -> 5
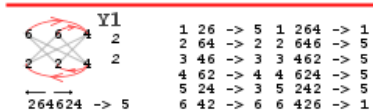
```
1 26 -> 5   1 264 -> 1
2 64 -> 2   2 646 -> 5
3 46 -> 3   3 462 -> 5
4 62 -> 4   4 624 -> 5
5 24 -> 3   5 242 -> 5
6 42 -> 6   6 426 -> 1

1 2646 -> 6   1 26462 -> 4   1 264624 -> 5
2 6462 -> 3   2 64624 -> 6   2 646242 -> 4
3 4624 -> 1   3 46242 -> 2   3 462426 -> 5
4 6242 -> 3   4 62426 -> 4   4 624264 -> 5
5 2426 -> 2   5 24264 -> 3   5 242646 -> 4
6 4264 -> 4   6 42646 -> 3   6 426462 -> 5
```

Y2

2 2 4
2
3 3 4
2
324234 -> 5
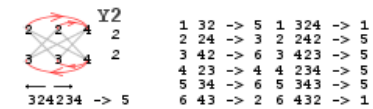
```
1 32 -> 5   1 324 -> 1
2 24 -> 3   2 242 -> 5
3 42 -> 6   3 423 -> 5
4 23 -> 4   4 234 -> 5
5 34 -> 6   5 343 -> 5
6 43 -> 2   6 432 -> 1

1 3242 -> 2   1 32423 -> 4   1 324234 -> 5
2 2423 -> 6   2 24234 -> 2   2 242343 -> 4
3 4234 -> 1   3 42343 -> 3   3 423432 -> 5
4 2343 -> 6   4 23432 -> 4   4 234324 -> 5
5 3432 -> 3   5 34324 -> 6   5 343242 -> 4
6 4324 -> 4   6 43242 -> 6   6 432423 -> 5
```

Y3

5 3 4
2
6 6 4
2
634364 -> 5

```
1 63 -> 5   1 634 -> 1
2 34 -> 6   2 343 -> 5
3 43 -> 2   3 436 -> 5
4 36 -> 4   4 364 -> 5
5 64 -> 2   5 646 -> 5
6 46 -> 3   6 463 -> 1

1 6343 -> 3   1 63436 -> 4   1 634364 -> 5
2 3436 -> 2   2 34364 -> 3   2 343646 -> 4
3 4364 -> 1   3 43646 -> 6   3 436463 -> 5
4 3646 -> 2   4 36463 -> 4   4 364634 -> 5
5 6463 -> 6   5 64634 -> 2   5 646343 -> 4
6 4634 -> 4   6 46343 -> 2   6 463436 -> 5
```

Y4

3 3 5
2
2 2 5
2
235325 -> 4

```
1 23 -> 4   1 235 -> 1
2 35 -> 2   2 353 -> 4
3 53 -> 6   3 532 -> 4
4 32 -> 5   4 325 -> 4
5 25 -> 6   5 252 -> 4
6 52 -> 3   6 523 -> 1

1 2353 -> 3   1 23532 -> 5   1 235325 -> 4
2 3532 -> 6   2 35325 -> 3   2 353252 -> 5
3 5325 -> 1   3 53252 -> 2   3 532523 -> 4
4 3252 -> 6   4 32523 -> 5   4 325235 -> 4
5 2523 -> 2   5 25235 -> 6   5 252353 -> 5
6 5235 -> 5   6 52353 -> 6   6 523532 -> 4
```
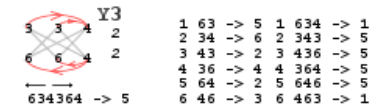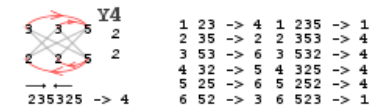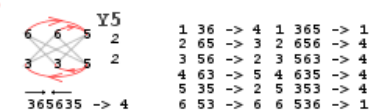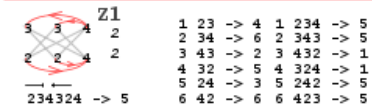
Y5

6 6 5
2
3 3 5
2
365635 -> 4

```
1 36 -> 4   1 365 -> 1
2 65 -> 3   2 656 -> 4
3 56 -> 2   3 563 -> 4
4 63 -> 5   4 635 -> 4
5 35 -> 2   5 353 -> 4
6 53 -> 6   6 536 -> 1

1 3656 -> 6   1 36563 -> 5   1 365635 -> 4
2 6563 -> 2   2 65635 -> 6   2 656353 -> 5
3 5635 -> 1   3 56353 -> 3   3 563536 -> 4
4 6353 -> 2   4 63536 -> 5   4 635365 -> 4
5 3536 -> 3   5 35365 -> 2   5 353656 -> 5
6 5365 -> 5   6 53656 -> 6   6 536563 -> 4
```
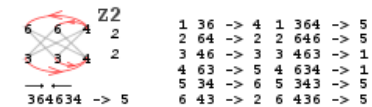
Y6

6 6 5
2
6 6 5
2
625265 -> 4

```
1 62 -> 4   1 625 -> 1
2 25 -> 6   2 252 -> 4
3 52 -> 3   3 526 -> 4
4 26 -> 5   4 265 -> 4
5 65 -> 3   5 656 -> 4
6 56 -> 2   6 562 -> 1

1 6252 -> 2   1 62526 -> 5   1 625265 -> 4
2 2526 -> 3   2 25265 -> 2   2 252656 -> 5
3 5265 -> 1   3 52656 -> 6   3 526562 -> 4
4 2656 -> 3   4 26562 -> 5   4 265625 -> 4
5 6562 -> 6   5 65625 -> 3   5 656252 -> 5
6 5625 -> 5   6 56252 -> 3   6 562526 -> 4
```
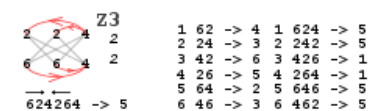
Z1

3 3 4
2
2 2 4
2
234324 -> 5

```
1 23 -> 4   1 234 -> 5
2 34 -> 6   2 343 -> 5
3 43 -> 2   3 432 -> 1
4 32 -> 5   4 324 -> 1
5 24 -> 3   5 242 -> 5
6 42 -> 6   6 423 -> 5

1 2343 -> 6   1 23432 -> 4   1 234324 -> 5
2 3432 -> 3   2 34324 -> 2   2 343242 -> 4
3 4324 -> 4   3 43242 -> 6   3 432423 -> 5
4 3242 -> 4   4 32423 -> 4   4 324234 -> 5
5 2423 -> 6   5 24234 -> 2   5 242343 -> 4
6 4234 -> 1   6 42343 -> 3   6 423432 -> 5
```

Z2

6 6 4
2
3 3 4
2
364634 -> 5

```
1 36 -> 4   1 364 -> 1
2 64 -> 2   2 646 -> 5
3 46 -> 3   3 463 -> 1
4 63 -> 5   4 634 -> 1
5 34 -> 6   5 343 -> 5
6 43 -> 2   6 436 -> 5

1 3646 -> 2   1 36463 -> 4   1 364634 -> 5
2 6463 -> 6   2 64634 -> 2   2 646343 -> 4
3 4634 -> 4   3 46343 -> 2   3 463436 -> 5
4 6343 -> 3   4 63436 -> 4   4 634364 -> 5
5 3436 -> 2   5 34364 -> 3   5 343646 -> 4
6 4364 -> 1   6 43646 -> 6   6 436463 -> 5
```

Z3

2 2 4
2
6 6 4
2
624264 -> 5

```
1 62 -> 4   1 624 -> 5
2 24 -> 3   2 242 -> 5
3 42 -> 6   3 426 -> 1
4 26 -> 5   4 264 -> 1
5 64 -> 2   5 646 -> 5
6 46 -> 3   6 462 -> 5

1 6242 -> 3   1 62426 -> 4   1 624264 -> 5
2 2426 -> 2   2 24264 -> 3   2 242646 -> 4
3 4264 -> 4   3 42646 -> 3   3 426462 -> 5
4 2646 -> 6   4 26462 -> 4   4 264624 -> 5
5 6462 -> 3   5 64624 -> 6   5 646242 -> 4
6 4624 -> 1   6 46242 -> 2   6 462426 -> 5
```

Z4

6 6 5
2
2 2 5
2
265625 -> 4

```
1 26 -> 5   1 265 -> 4
2 65 -> 3   2 656 -> 4
3 56 -> 2   3 562 -> 1
4 62 -> 4   4 625 -> 1
5 25 -> 6   5 252 -> 4
6 52 -> 3   6 526 -> 4

1 2656 -> 3   1 26562 -> 5   1 265625 -> 4
2 6562 -> 6   2 65625 -> 3   2 656252 -> 5
3 5625 -> 3   3 56252 -> 3   3 562526 -> 4
4 6252 -> 2   4 62526 -> 5   4 625265 -> 4
5 2526 -> 3   5 25265 -> 2   5 252656 -> 5
6 5265 -> 1   6 52656 -> 6   6 526562 -> 4
```

Z5

2 2 5
2
3 3 5
2
325235 -> 4

```
1 32 -> 5   1 325 -> 4
2 25 -> 6   2 252 -> 4
3 52 -> 3   3 523 -> 1
4 23 -> 4   4 235 -> 1
5 35 -> 2   5 353 -> 4
6 53 -> 6   6 532 -> 4

1 3252 -> 6   1 32523 -> 5   1 325235 -> 4
2 2523 -> 2   2 25235 -> 6   2 252353 -> 5
3 5235 -> 5   3 52353 -> 6   3 523532 -> 4
4 2353 -> 3   4 23532 -> 5   4 235325 -> 4
5 3532 -> 6   5 35325 -> 3   5 353252 -> 5
6 5325 -> 1   6 53252 -> 2   6 532523 -> 4
```

Z6

3 3 5
2
6 6 5
2
635365 -> 4

```
1 63 -> 5   1 635 -> 4
2 35 -> 2   2 353 -> 4
3 53 -> 6   3 536 -> 1
4 36 -> 4   4 365 -> 1
5 65 -> 3   5 656 -> 4
6 56 -> 2   6 563 -> 4

1 6353 -> 2   1 63536 -> 5   1 635365 -> 4
2 3536 -> 3   2 35365 -> 2   2 353656 -> 5
3 5365 -> 5   3 53656 -> 6   3 536563 -> 4
4 3656 -> 6   4 36563 -> 5   4 365635 -> 4
5 6563 -> 2   5 65635 -> 6   5 656353 -> 5
6 5635 -> 1   6 56353 -> 3   6 563536 -> 4
```

W1


```
234224 -> 1

1 23 -> 4    1 234 -> 5
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 423 -> 5

1 2342 -> 3   1 23422 -> 5   1 234224 -> 1
2 3422 -> 6   2 34224 -> 2   2 342242 -> 1
3 4224 -> 5   3 42242 -> 3   3 422423 -> 1
4 2242 -> 6   4 22423 -> 5   4 224234 -> 1
5 2423 -> 6   5 24234 -> 2   5 242342 -> 1
6 4234 -> 1   6 42342 -> 2   6 423422 -> 1
```

W2


```
265225 -> 1

1 26 -> 5    1 265 -> 4
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 526 -> 4

1 2652 -> 6   1 26522 -> 4   1 265225 -> 1
2 6522 -> 3   2 65225 -> 2   2 652252 -> 1
3 5225 -> 4   3 52252 -> 6   3 522526 -> 1
4 2252 -> 3   4 22526 -> 4   4 225265 -> 1
5 2526 -> 3   5 25265 -> 2   5 252652 -> 1
6 5265 -> 1   6 52652 -> 2   6 526522 -> 1
```

W3


```
325335 -> 1

1 32 -> 5    1 325 -> 4
2 25 -> 6    2 253 -> 4
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 532 -> 4

1 3253 -> 2   1 32533 -> 4   1 325335 -> 1
2 2533 -> 6   2 25335 -> 3   2 253353 -> 1
3 5335 -> 4   3 53353 -> 2   3 533532 -> 1
4 3353 -> 6   4 33532 -> 4   4 335325 -> 1
5 3532 -> 6   5 35325 -> 3   5 353253 -> 1
6 5325 -> 1   6 53253 -> 2   6 532533 -> 1
```

W4


```
364334 -> 1

1 36 -> 4    1 364 -> 5
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 436 -> 5

1 3643 -> 6   1 36433 -> 5   1 364334 -> 1
2 6433 -> 2   2 64334 -> 3   2 643343 -> 1
3 4334 -> 5   3 43343 -> 6   3 433436 -> 1
4 3343 -> 2   4 33436 -> 5   4 334364 -> 1
5 3436 -> 2   5 34364 -> 3   5 343643 -> 1
6 4364 -> 1   6 43643 -> 3   6 436433 -> 1
```
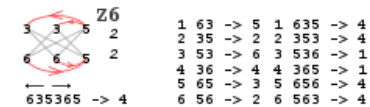
W5


```
624664 -> 1

1 62 -> 4    1 624 -> 5
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 462 -> 5

1 6246 -> 2   1 62466 -> 5   1 624664 -> 1
2 2466 -> 3   2 24664 -> 6   2 246646 -> 1
3 4664 -> 5   3 46646 -> 2   3 466462 -> 1
4 6646 -> 3   4 66462 -> 5   4 664624 -> 1
5 6462 -> 3   5 64624 -> 6   5 646246 -> 1
6 4624 -> 1   6 46246 -> 6   6 462466 -> 1
```

W6


```
635665 -> 1

1 63 -> 5    1 635 -> 4
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 563 -> 4

1 6356 -> 3   1 63566 -> 4   1 635665 -> 1
2 3566 -> 2   2 35665 -> 6   2 356656 -> 1
3 5665 -> 4   3 56656 -> 3   3 566563 -> 1
4 6656 -> 2   4 66563 -> 4   4 665635 -> 1
5 6563 -> 2   5 65635 -> 6   5 656356 -> 1
6 5635 -> 1   6 56356 -> 6   6 563566 -> 1
```

X1


```
224624 -> 1

1 22 -> 4    1 224 -> 4
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 462 -> 5
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 422 -> 4

1 2246 -> 3   1 22462 -> 5   1 224624 -> 1
2 2462 -> 6   2 24624 -> 2   2 246242 -> 1
3 4624 -> 1   3 46242 -> 3   3 462422 -> 1
4 6242 -> 3   4 62422 -> 5   4 624224 -> 1
5 2422 -> 5   5 24224 -> 6   5 242246 -> 1
6 4224 -> 5   6 42246 -> 2   6 422462 -> 1
```

X2


```
225325 -> 1

1 22 -> 1    1 225 -> 5
2 25 -> 3    2 253 -> 5
3 53 -> 6    3 532 -> 4
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 522 -> 5

1 2253 -> 6   1 22532 -> 4   1 225325 -> 1
2 2532 -> 3   2 25325 -> 2   2 253252 -> 1
3 5325 -> 1   3 53252 -> 3   3 532522 -> 1
4 3252 -> 6   4 32522 -> 4   4 325225 -> 1
5 2522 -> 6   5 25225 -> 3   5 252253 -> 1
6 5225 -> 4   6 52253 -> 2   6 522532 -> 1
```

X3


```
334234 -> 1

1 33 -> 1    1 334 -> 4
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 423 -> 5
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 343 -> 4
6 43 -> 2    6 433 -> 4

1 3342 -> 6   1 33423 -> 5   1 334234 -> 1
2 3423 -> 2   2 34234 -> 3   2 342343 -> 1
3 4234 -> 1   3 42343 -> 3   3 423433 -> 1
4 2343 -> 6   4 23433 -> 5   4 234334 -> 1
5 3433 -> 6   5 34334 -> 2   5 343342 -> 1
6 4334 -> 5   6 43342 -> 3   6 433423 -> 1
```

X4


```
335635 -> 1

1 33 -> 1    1 335 -> 5
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 563 -> 4
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 533 -> 5

1 3356 -> 2   1 33563 -> 4   1 335635 -> 1
2 3563 -> 6   2 35635 -> 3   2 356353 -> 1
3 5635 -> 1   3 56353 -> 3   3 563533 -> 1
4 6353 -> 2   4 63533 -> 4   4 635335 -> 1
5 3533 -> 2   5 35335 -> 6   5 353356 -> 1
6 5335 -> 4   6 53356 -> 3   6 533563 -> 1
```

X5


```
664364 -> 1

1 66 -> 1    1 664 -> 4
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 436 -> 5
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 466 -> 4

1 6643 -> 2   1 66436 -> 5   1 664364 -> 1
2 6436 -> 3   2 64364 -> 6   2 643646 -> 1
3 4364 -> 1   3 43646 -> 3   3 436466 -> 1
4 3646 -> 2   4 36466 -> 5   4 364664 -> 1
5 6466 -> 2   5 64664 -> 3   5 646643 -> 1
6 4664 -> 5   6 46643 -> 6   6 466436 -> 1
```

X6


```
665265 -> 1

1 66 -> 1    1 665 -> 5
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 526 -> 4
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 566 -> 5

1 6652 -> 3   1 66526 -> 4   1 665265 -> 1
2 6526 -> 2   2 65265 -> 6   2 652656 -> 1
3 5265 -> 1   3 52656 -> 3   3 526656 -> 1
4 2656 -> 3   4 26566 -> 4   4 265665 -> 1
5 6566 -> 3   5 65665 -> 2   5 656652 -> 1
6 5665 -> 4   6 56652 -> 6   6 566526 -> 1
```
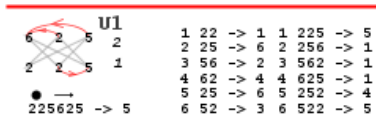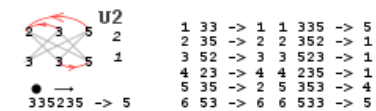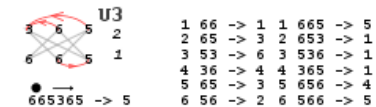
U1

```
225625 -> 5

1 22 -> 1    1 225 -> 5
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 522 -> 5

1 2256 -> 2   1 22562 -> 1   1 225625 -> 5
2 2562 -> 2   2 25625 -> 6   2 256252 -> 4
3 5625 -> 5   3 56252 -> 3   3 562522 -> 5
4 6252 -> 2   4 62522 -> 1   4 625225 -> 5
5 2522 -> 6   5 25225 -> 3   5 252256 -> 4
6 5225 -> 4   6 52256 -> 3   6 522562 -> 5
```
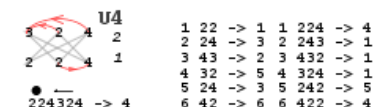
U5

```
334634 -> 4

1 33 -> 1    1 334 -> 4
2 34 -> 6    2 346 -> 2
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 433 -> 4

1 3346 -> 3   1 33463 -> 1   1 334634 -> 4
2 3463 -> 3   2 34634 -> 6   2 346343 -> 5
3 4634 -> 4   3 46343 -> 2   3 463433 -> 4
4 6343 -> 3   4 63433 -> 1   4 634334 -> 4
5 3433 -> 6   5 34334 -> 2   5 343346 -> 3
6 4334 -> 5   6 43346 -> 2   6 433463 -> 4
```

V3

```
324634 -> 1

1 32 -> 5    1 324 -> 1
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 432 -> 1

1 3246 -> 6   1 32463 -> 5   1 324634 -> 1
2 2463 -> 2   2 24634 -> 3   2 246343 -> 1
3 4634 -> 4   3 46343 -> 2   3 463432 -> 1
4 6343 -> 3   4 63432 -> 5   4 634324 -> 1
5 3432 -> 3   5 34324 -> 6   5 343246 -> 1
6 4324 -> 4   6 43246 -> 3   6 432463 -> 1
```

U2

```
335235 -> 5

1 33 -> 1    1 335 -> 5
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 533 -> 5

1 3352 -> 3   1 33523 -> 1   1 335235 -> 5
2 3523 -> 3   2 35235 -> 2   2 352353 -> 4
3 5235 -> 5   3 52353 -> 6   3 523533 -> 5
4 2353 -> 3   4 23533 -> 1   4 235335 -> 5
5 3533 -> 2   5 35335 -> 6   5 353352 -> 3
6 5335 -> 4   6 53352 -> 6   6 533523 -> 5
```
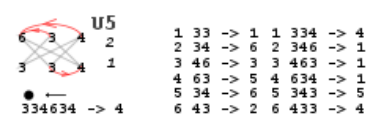
U6

```
664264 -> 4

1 66 -> 1    1 664 -> 4
2 64 -> 2    2 642 -> 1
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 466 -> 4

1 6642 -> 6   1 66426 -> 1   1 664264 -> 4
2 6426 -> 6   2 64264 -> 2   2 642646 -> 5
3 4264 -> 4   3 42646 -> 3   3 426466 -> 4
4 2646 -> 6   4 26466 -> 1   4 264664 -> 4
5 6466 -> 2   5 64664 -> 3   5 646642 -> 5
6 4664 -> 5   6 46642 -> 3   6 466426 -> 4
```

V4

```
365235 -> 1

1 36 -> 4    1 365 -> 1
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 536 -> 1

1 3652 -> 2   1 36523 -> 4   1 365235 -> 1
2 6523 -> 6   2 65235 -> 3   2 652353 -> 1
3 5235 -> 5   3 52353 -> 6   3 523536 -> 1
4 2353 -> 3   4 23536 -> 4   4 235365 -> 1
5 3536 -> 3   5 35365 -> 2   5 353652 -> 1
6 5365 -> 5   6 53652 -> 3   6 536523 -> 1
```

U3

```
665365 -> 5

1 66 -> 1    1 665 -> 5
2 65 -> 3    2 653 -> 1
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 365 -> 1
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 566 -> 5

1 6653 -> 6   1 66536 -> 1   1 665365 -> 5
2 6536 -> 6   2 65365 -> 3   2 653656 -> 4
3 5365 -> 5   3 53656 -> 2   3 536566 -> 5
4 3656 -> 6   4 36566 -> 1   4 365665 -> 5
5 6566 -> 3   5 65665 -> 2   5 656653 -> 4
6 5665 -> 4   6 56653 -> 2   6 566536 -> 5
```
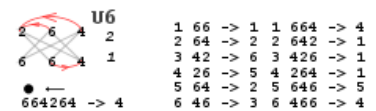
V1

```
235625 -> 1

1 23 -> 4    1 235 -> 1
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 523 -> 1

1 2356 -> 6   1 23562 -> 4   1 235625 -> 1
2 3562 -> 3   2 35625 -> 2   2 356252 -> 1
3 5625 -> 5   3 56252 -> 3   3 562523 -> 1
4 6252 -> 2   4 62523 -> 4   4 625235 -> 1
5 2523 -> 2   5 25235 -> 6   5 252356 -> 1
6 5235 -> 5   6 52356 -> 2   6 523562 -> 1
```

V5

```
625365 -> 1

1 62 -> 4    1 625 -> 1
2 25 -> 6    2 253 -> 5
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 365 -> 1
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 562 -> 1

1 6253 -> 3   1 62536 -> 4   1 625365 -> 1
2 2536 -> 2   2 25365 -> 6   2 253656 -> 1
3 5365 -> 5   3 53656 -> 2   3 536562 -> 1
4 3656 -> 6   4 36562 -> 4   4 365625 -> 1
5 6562 -> 6   5 65625 -> 3   5 656253 -> 1
6 5625 -> 5   6 56253 -> 6   6 562536 -> 1
```

U4

```
224324 -> 4

1 22 -> 1    1 224 -> 4
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 422 -> 4

1 2243 -> 2   1 22432 -> 1   1 224324 -> 4
2 2432 -> 2   2 24324 -> 3   2 243242 -> 5
3 4324 -> 4   3 43242 -> 6   3 432422 -> 4
4 3242 -> 2   4 32422 -> 1   4 324224 -> 4
5 2422 -> 3   5 24224 -> 6   5 242243 -> 5
6 4224 -> 5   6 42243 -> 6   6 422432 -> 4
```
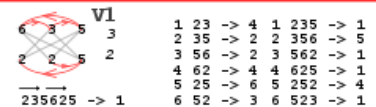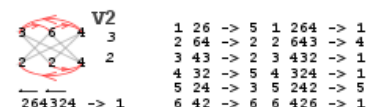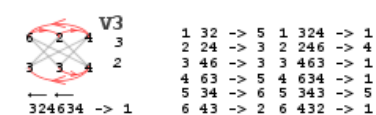
V2

```
264324 -> 1

1 26 -> 5    1 264 -> 1
2 64 -> 2    2 643 -> 1
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 426 -> 1

1 2643 -> 3   1 26432 -> 5   1 264324 -> 1
2 6432 -> 6   2 64324 -> 2   2 643242 -> 1
3 4324 -> 4   3 43242 -> 6   3 432426 -> 1
4 3242 -> 2   4 32426 -> 5   4 324264 -> 1
5 2426 -> 2   5 24264 -> 3   5 242643 -> 1
6 4264 -> 4   6 42643 -> 2   6 426432 -> 1
```

V6

```
634264 -> 1

1 63 -> 5    1 634 -> 1
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 463 -> 1

1 6342 -> 2   1 63426 -> 5   1 634264 -> 1
2 3426 -> 3   2 34264 -> 6   2 342646 -> 1
3 4264 -> 4   3 42646 -> 3   3 426463 -> 1
4 2646 -> 6   4 26463 -> 5   4 264634 -> 1
5 6463 -> 6   5 64634 -> 2   5 646342 -> 1
6 4634 -> 4   6 46342 -> 6   6 463426 -> 1
```
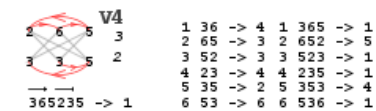
```
                    S1
2 3 5                      1 23 -> 4    1 235 -> 4
    2                      2 35 -> 2    2 352 -> 1
2 5                        3 52 -> 3    3 522 -> 5
    1                      4 22 -> 1    4 225 -> 5
                           5 25 -> 6    5 252 -> 4
235225 -> 5                6 52 -> 3    6 523 -> 1

1 2352 -> 2   1 23522 -> 1   1 235225 -> 5
2 3522 -> 2   2 35225 -> 6   2 352252 -> 4
3 5225 -> 4   3 52252 -> 6   3 522523 -> 5
4 2252 -> 3   4 22523 -> 1   4 225235 -> 5
5 2523 -> 2   5 25235 -> 6   5 252352 -> 4
6 5235 -> 5   6 52352 -> 3   6 523522 -> 5
```
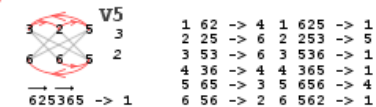
```
                    S5
3 2 4                      1 32 -> 5    1 324 -> 1
    2                      2 24 -> 3    2 243 -> 1
3 3 4                      3 43 -> 2    3 433 -> 4
    1                      4 33 -> 1    4 334 -> 4
                           5 34 -> 6    5 343 -> 5
324334 -> 4                6 43 -> 2    6 432 -> 1

1 3243 -> 3   1 32433 -> 1   1 324334 -> 4
2 2433 -> 3   2 24334 -> 6   2 243343 -> 5
3 4334 -> 5   3 43343 -> 6   3 433432 -> 4
4 3343 -> 2   4 33432 -> 1   4 334324 -> 4
5 3432 -> 4   5 34324 -> 6   5 343243 -> 4
6 4324 -> 4   6 43243 -> 2   6 432433 -> 4
```

```
                    T3
2 3 5                      1 63 -> 5    1 635 -> 4
    3                      2 35 -> 2    2 352 -> 1
6 6 5                      3 52 -> 3    3 526 -> 4
    2                      4 26 -> 5    4 265 -> 4
                           5 65 -> 3    5 656 -> 4
635265 -> 5                6 56 -> 2    6 563 -> 4

1 6352 -> 6   1 63526 -> 1   1 635265 -> 5
2 3526 -> 6   2 35265 -> 3   2 352656 -> 4
3 5265 -> 1   3 52656 -> 6   3 526563 -> 5
4 2656 -> 3   4 26563 -> 1   4 265635 -> 5
5 6563 -> 2   5 65635 -> 6   5 656352 -> 4
6 5635 -> 1   6 56352 -> 2   6 563526 -> 5
```

```
                    S2
3 5 5                      1 36 -> 4    1 365 -> 1
    2                      2 65 -> 3    2 653 -> 1
3 3 5                      3 53 -> 6    3 533 -> 5
    1                      4 33 -> 1    4 335 -> 5
                           5 35 -> 2    5 353 -> 4
365335 -> 5                6 53 -> 6    6 536 -> 1

1 3653 -> 3   1 36533 -> 1   1 365335 -> 5
2 6533 -> 3   2 65335 -> 2   2 653353 -> 4
3 5335 -> 4   3 53353 -> 2   3 533536 -> 5
4 3353 -> 6   4 33536 -> 1   4 335365 -> 5
5 3536 -> 3   5 35365 -> 2   5 353653 -> 4
6 5365 -> 5   6 53653 -> 6   6 536533 -> 5
```

```
                    S6
6 3 4                      1 63 -> 5    1 634 -> 1
    2                      2 34 -> 6    2 346 -> 1
6 6 4                      3 46 -> 3    3 466 -> 4
                           4 66 -> 1    4 664 -> 5
                           5 64 -> 2    5 646 -> 5
634664 -> 4                6 46 -> 3    6 463 -> 1

1 6346 -> 6   1 63466 -> 1   1 634664 -> 4
2 3466 -> 6   2 34664 -> 2   2 346646 -> 5
3 4664 -> 5   3 46646 -> 2   3 466463 -> 4
4 6646 -> 3   4 66463 -> 1   4 664634 -> 4
5 6463 -> 6   5 64634 -> 2   5 646346 -> 5
6 4634 -> 4   6 46346 -> 3   6 463466 -> 4
```

```
                    T4
2 3 4                      1 23 -> 4    1 234 -> 5
    3                      2 34 -> 6    2 346 -> 1
2 2 4                      3 46 -> 3    3 462 -> 5
    2                      4 62 -> 4    4 624 -> 5
                           5 24 -> 3    5 242 -> 5
234624 -> 4                6 42 -> 6    6 423 -> 5

1 2346 -> 2   1 23462 -> 1   1 234624 -> 4
2 3462 -> 2   2 34624 -> 3   2 346242 -> 5
3 4624 -> 1   3 46242 -> 2   3 462423 -> 4
4 6242 -> 3   4 62423 -> 1   4 624234 -> 4
5 2423 -> 6   5 24234 -> 2   5 242346 -> 5
6 4234 -> 1   6 42346 -> 6   6 423462 -> 4
```

```
                    S3
6 5 5                      1 62 -> 4    1 625 -> 1
    2                      2 25 -> 6    2 256 -> 1
6 6 5                      3 56 -> 2    3 566 -> 5
    1                      4 66 -> 1    4 665 -> 5
                           5 65 -> 3    5 656 -> 4
625665 -> 5                6 56 -> 2    6 562 -> 1

1 6256 -> 6   1 62566 -> 1   1 625665 -> 5
2 2566 -> 6   2 25665 -> 3   2 256656 -> 4
3 5665 -> 4   3 56656 -> 3   3 566562 -> 5
4 6656 -> 2   4 66562 -> 1   4 665625 -> 5
5 6562 -> 6   5 65625 -> 3   5 656256 -> 4
6 5625 -> 5   6 56256 -> 2   6 562566 -> 5
```

```
                    T1
3 6 5                      1 26 -> 5    1 265 -> 4
    3                      2 65 -> 3    2 653 -> 1
2 2 5                      3 53 -> 6    3 532 -> 4
    2                      4 32 -> 5    4 325 -> 4
                           5 25 -> 6    5 252 -> 4
265325 -> 5                6 52 -> 3    6 526 -> 4

1 2653 -> 2   1 26532 -> 1   1 265325 -> 5
2 6532 -> 2   2 65325 -> 6   2 653252 -> 4
3 5325 -> 1   3 53252 -> 2   3 532526 -> 5
4 3252 -> 6   4 32526 -> 1   4 325265 -> 5
5 2526 -> 3   5 25265 -> 2   5 252653 -> 4
6 5265 -> 1   6 52653 -> 3   6 526532 -> 5
```

```
                    T5
2 6 4                      1 36 -> 4    1 364 -> 5
    3                      2 64 -> 2    2 642 -> 1
3 3 4                      3 42 -> 6    3 423 -> 5
    2                      4 23 -> 4    4 234 -> 5
                           5 34 -> 6    5 343 -> 5
364234 -> 4                6 43 -> 2    6 436 -> 5

1 3642 -> 3   1 36423 -> 1   1 364234 -> 4
2 6423 -> 3   2 64234 -> 6   2 642343 -> 5
3 4234 -> 1   3 42343 -> 3   3 423436 -> 4
4 2343 -> 6   4 23436 -> 1   4 234364 -> 4
5 3436 -> 2   5 34364 -> 3   5 343642 -> 5
6 4364 -> 6   6 43642 -> 2   6 436423 -> 4
```

```
                    S4
2 6 4                      1 26 -> 5    1 264 -> 5
    2                      2 64 -> 2    2 642 -> 1
2 2 4                      3 42 -> 6    3 422 -> 4
    1                      4 22 -> 1    4 224 -> 4
                           5 24 -> 3    5 242 -> 5
264224 -> 4                6 42 -> 6    6 426 -> 1

1 2642 -> 2   1 26422 -> 1   1 264224 -> 4
2 6422 -> 2   2 64224 -> 3   2 642242 -> 5
3 4224 -> 5   3 42242 -> 3   3 422426 -> 4
4 2242 -> 6   4 22426 -> 1   4 224264 -> 4
5 2426 -> 2   5 24264 -> 3   5 242642 -> 5
6 4264 -> 4   6 42642 -> 6   6 426422 -> 4
```
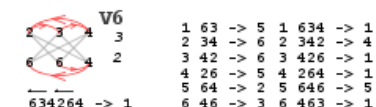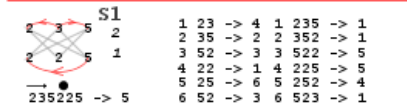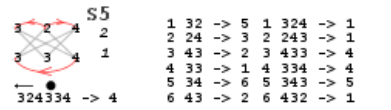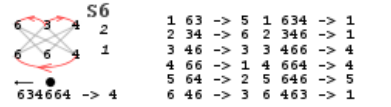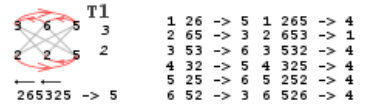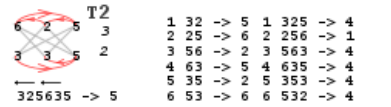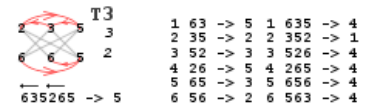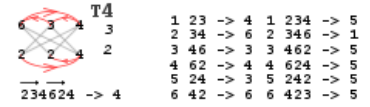
```
                    T2
6 2 5                      1 32 -> 5    1 325 -> 4
    3                      2 25 -> 6    2 256 -> 1
3 3 5                      3 56 -> 2    3 563 -> 4
    2                      4 63 -> 5    4 635 -> 4
                           5 35 -> 2    5 353 -> 4
325635 -> 5                6 53 -> 6    6 532 -> 4

1 3256 -> 3   1 32563 -> 1   1 325635 -> 5
2 2563 -> 3   2 25635 -> 2   2 256353 -> 4
3 5635 -> 1   3 56353 -> 3   3 563532 -> 5
4 6353 -> 2   4 63532 -> 1   4 635325 -> 5
5 3532 -> 6   5 35325 -> 3   5 353256 -> 4
6 5325 -> 1   6 53256 -> 6   6 532563 -> 5
```
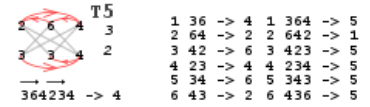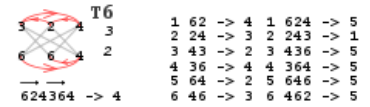
```
                    T6
6 2 4                      1 62 -> 4    1 624 -> 5
    3                      2 24 -> 3    2 243 -> 1
6 6 4                      3 43 -> 2    3 436 -> 5
    2                      4 36 -> 4    4 364 -> 5
                           5 64 -> 2    5 646 -> 5
624364 -> 4                6 46 -> 3    6 462 -> 5

1 6243 -> 6   1 62436 -> 1   1 624364 -> 4
2 2436 -> 6   2 24364 -> 2   2 243646 -> 5
3 4364 -> 1   3 43646 -> 6   3 436462 -> 4
4 3646 -> 2   4 36462 -> 1   4 364624 -> 4
5 6462 -> 3   5 64624 -> 6   5 646243 -> 5
6 4624 -> 1   6 46243 -> 3   6 462436 -> 4
```

Q1

Diagram: 6 6 5 / 2 3 5   (2, 3)
265635 -> 5

```
1 26 -> 5   1 265 -> 4
2 65 -> 3   2 656 -> 4
3 56 -> 2   3 563 -> 4
4 63 -> 5   4 635 -> 4
5 35 -> 2   5 352 -> 1
6 52 -> 3   6 526 -> 4

1 2656 -> 3   1 26563 -> 1   1 265635 -> 5
2 6563 -> 2   2 65635 -> 6   2 656352 -> 4
3 5635 -> 1   3 56352 -> 2   3 563526 -> 5
4 6352 -> 6   4 63526 -> 1   4 635265 -> 5
5 3526 -> 6   5 35265 -> 3   5 352656 -> 4
6 5265 -> 1   6 52656 -> 6   6 526563 -> 5
```

Q5

Diagram: 6 6 4 / 3 2 4   (2, 3)
364624 -> 4

```
1 36 -> 4   1 364 -> 5
2 64 -> 2   2 646 -> 5
3 46 -> 3   3 462 -> 5
4 62 -> 4   4 624 -> 5
5 24 -> 3   5 243 -> 1
6 43 -> 2   6 436 -> 5

1 3646 -> 2   1 36462 -> 1   1 364624 -> 4
2 6462 -> 3   2 64624 -> 6   2 646243 -> 5
3 4624 -> 1   3 46243 -> 3   3 462436 -> 4
4 6243 -> 6   4 62436 -> 1   4 624364 -> 4
5 2436 -> 1   5 24364 -> 2   5 243646 -> 4
6 4364 -> 1   6 43646 -> 6   6 436462 -> 4
```
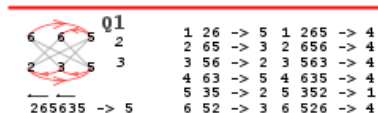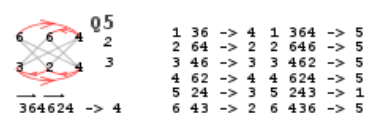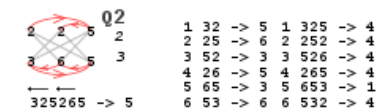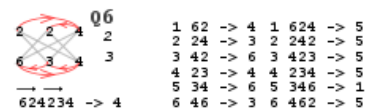
R3

Diagram: 6 6 5 / 6 2 5   (1, 2)
665625 -> 5

```
1 66 -> 1   1 665 -> 5
2 65 -> 3   2 656 -> 4
3 56 -> 2   3 562 -> 1
4 62 -> 4   4 625 -> 1
5 25 -> 6   5 256 -> 1
6 56 -> 2   6 566 -> 5

1 6656 -> 2   1 66562 -> 1   1 665625 -> 5
2 6562 -> 6   2 65625 -> 3   2 656256 -> 4
3 5625 -> 5   3 56256 -> 2   3 562566 -> 5
4 6256 -> 5   4 62566 -> 1   4 625665 -> 5
5 2566 -> 6   5 25665 -> 3   5 256656 -> 4
6 5665 -> 4   6 56656 -> 5   6 566562 -> 5
```

Q2

Diagram: 2 2 5 / 3 6 5   (2, 3)
325265 -> 5

```
1 32 -> 5   1 325 -> 4
2 25 -> 6   2 252 -> 4
3 52 -> 3   3 526 -> 4
4 26 -> 5   4 265 -> 4
5 65 -> 3   5 653 -> 1
6 53 -> 6   6 532 -> 4

1 3252 -> 6   1 32526 -> 1   1 325265 -> 5
2 2526 -> 3   2 25265 -> 2   2 252653 -> 4
3 5265 -> 1   3 52653 -> 3   3 526532 -> 5
4 2653 -> 2   4 26532 -> 1   4 265325 -> 5
5 6532 -> 2   5 65325 -> 6   5 653252 -> 4
6 5325 -> 1   6 53252 -> 2   6 532526 -> 5
```
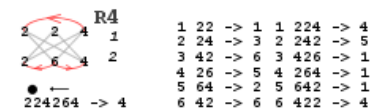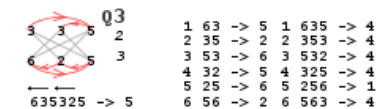
Q6

Diagram: 2 2 4 / 3 6 4   (2, 3)
624234 -> 4

```
1 62 -> 4   1 624 -> 4
2 24 -> 3   2 242 -> 5
3 42 -> 6   3 423 -> 5
4 23 -> 4   4 234 -> 5
5 34 -> 6   5 346 -> 1
6 46 -> 3   6 462 -> 5

1 6242 -> 3   1 62423 -> 1   1 624234 -> 4
2 2423 -> 6   2 24234 -> 2   2 242346 -> 5
3 4234 -> 1   3 42346 -> 6   3 423462 -> 4
4 2346 -> 2   4 23462 -> 1   4 234624 -> 4
5 3462 -> 2   5 34624 -> 3   5 346242 -> 4
6 4624 -> 1   6 46242 -> 2   6 462423 -> 4
```
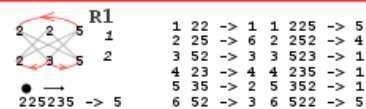
R4

Diagram: 2 2 4 / 2 6 4   (1, 2)
224264 -> 4

```
1 22 -> 1   1 224 -> 4
2 24 -> 3   2 242 -> 5
3 42 -> 6   3 426 -> 1
4 26 -> 5   4 264 -> 1
5 64 -> 2   5 642 -> 1
6 42 -> 6   6 422 -> 4

1 2242 -> 6   1 22426 -> 1   1 224264 -> 4
2 2426 -> 2   2 24264 -> 3   2 242642 -> 5
3 4264 -> 4   3 42642 -> 6   3 426422 -> 4
4 2642 -> 2   4 26422 -> 1   4 264224 -> 4
5 6422 -> 2   5 64224 -> 3   5 642242 -> 5
6 4224 -> 5   6 42242 -> 3   6 422426 -> 4
```
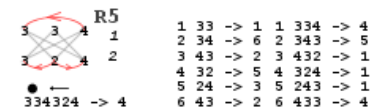
Q3

Diagram: 3 3 5 / 2 6 5   (2, 3)
635325 -> 5

```
1 63 -> 5   1 635 -> 4
2 35 -> 2   2 353 -> 4
3 53 -> 6   3 532 -> 4
4 32 -> 5   4 325 -> 4
5 25 -> 6   5 256 -> 1
6 56 -> 2   6 563 -> 4

1 6353 -> 2   1 63532 -> 1   1 635325 -> 5
2 3532 -> 6   2 35325 -> 3   2 353256 -> 4
3 5325 -> 1   3 53256 -> 6   3 532563 -> 5
4 3256 -> 3   4 32563 -> 1   4 325635 -> 5
5 2563 -> 3   5 25635 -> 2   5 256353 -> 4
6 5635 -> 1   6 56353 -> 3   6 563532 -> 5
```

R1

Diagram: 2 2 5 / 3 6 5   (1, 2)
225235 -> 5

```
1 22 -> 1   1 225 -> 5
2 25 -> 6   2 252 -> 4
3 52 -> 3   3 523 -> 1
4 23 -> 4   4 235 -> 1
5 35 -> 2   5 352 -> 1
6 52 -> 3   6 522 -> 5

1 2252 -> 3   1 22523 -> 1   1 225235 -> 5
2 2523 -> 2   2 25235 -> 6   2 252352 -> 4
3 5235 -> 5   3 52352 -> 3   3 523522 -> 5
4 2352 -> 2   4 23522 -> 1   4 235225 -> 5
5 3522 -> 2   5 35225 -> 6   5 352252 -> 4
6 5225 -> 1   6 52252 -> 6   6 522523 -> 5
```
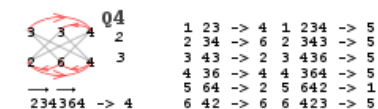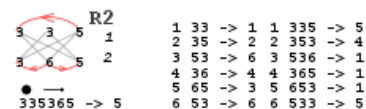
R5

Diagram: 3 3 5 / 2 6 5   (1, 2)
334324 -> 4

```
1 33 -> 1   1 334 -> 4
2 34 -> 6   2 343 -> 5
3 43 -> 2   3 432 -> 1
4 32 -> 5   4 324 -> 1
5 24 -> 3   5 243 -> 1
6 43 -> 2   6 433 -> 4

1 3343 -> 2   1 33432 -> 1   1 334324 -> 4
2 3432 -> 3   2 34324 -> 6   2 343243 -> 5
3 4324 -> 4   3 43243 -> 2   3 432433 -> 4
4 3243 -> 3   4 32433 -> 1   4 324334 -> 4
5 2433 -> 3   5 24334 -> 6   5 243343 -> 5
6 4334 -> 5   6 43343 -> 6   6 433432 -> 4
```

Q4

Diagram: 3 3 4 / 2 6 4   (2, 3)
234364 -> 4

```
1 23 -> 4   1 234 -> 5
2 34 -> 6   2 343 -> 5
3 43 -> 2   3 436 -> 5
4 36 -> 4   4 364 -> 5
5 64 -> 2   5 642 -> 1
6 42 -> 6   6 423 -> 5

1 2343 -> 6   1 23436 -> 1   1 234364 -> 4
2 3436 -> 2   2 34364 -> 3   2 343642 -> 5
3 4364 -> 1   3 43642 -> 2   3 436423 -> 4
4 3642 -> 3   4 36423 -> 1   4 364234 -> 4
5 6423 -> 3   5 64234 -> 6   5 642343 -> 5
6 4234 -> 1   6 42343 -> 3   6 423436 -> 4
```
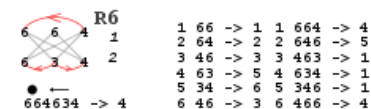
R2

Diagram: 3 3 5 / 3 6 5   (1, 2)
335365 -> 5

```
1 33 -> 1   1 335 -> 5
2 35 -> 2   2 353 -> 4
3 53 -> 6   3 536 -> 1
4 36 -> 4   4 365 -> 1
5 65 -> 3   5 653 -> 1
6 53 -> 6   6 533 -> 5

1 3353 -> 6   1 33536 -> 1   1 335365 -> 5
2 3536 -> 3   2 35365 -> 2   2 353653 -> 4
3 5365 -> 5   3 53653 -> 6   3 536533 -> 5
4 3653 -> 3   4 36533 -> 1   4 365335 -> 5
5 6533 -> 3   5 65335 -> 2   5 653353 -> 4
6 5335 -> 4   6 53353 -> 2   6 533536 -> 5
```

R6

Diagram: 6 6 4 / 3 2 4   (1, 2)
664634 -> 4

```
1 66 -> 3   1 664 -> 4
2 64 -> 2   2 646 -> 5
3 46 -> 3   3 463 -> 1
4 63 -> 5   4 634 -> 1
5 34 -> 6   5 346 -> 1
6 46 -> 3   6 466 -> 4

1 6646 -> 3   1 66463 -> 1   1 664634 -> 4
2 6463 -> 6   2 64634 -> 2   2 646346 -> 5
3 4634 -> 4   3 46346 -> 3   3 463466 -> 4
4 6346 -> 6   4 63466 -> 1   4 634664 -> 4
5 3466 -> 6   5 34664 -> 2   5 346646 -> 5
6 4664 -> 5   6 46646 -> 2   6 466463 -> 4
```

01

```
6 2 4
2 6 4    1
  ● ●
224664 -> 5
```

```
1 22 -> 1    1 224 -> 4
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 642 -> 1
             6 422 -> 4
```
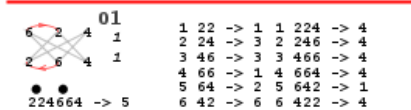
```
1 2246 -> 3    1 22466 -> 4    1 224664 -> 5
2 2466 -> 3    2 24664 -> 6    2 246642 -> 4
3 4664 -> 5    3 46642 -> 3    3 466422 -> 4
4 6642 -> 6    4 66422 -> 4    4 664224 -> 5
5 6422 -> 2    5 64224 -> 3    5 642246 -> 4
6 4224 -> 5    6 42246 -> 2    6 422466 -> 5
```

02

```
2 3 4
3 2 4    1
  ● ●
334224 -> 5
```

```
1 33 -> 1    1 334 -> 4
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 433 -> 4
```

```
1 3342 -> 6    1 33422 -> 4    1 334224 -> 5
2 3422 -> 6    2 34224 -> 2    2 342243 -> 4
3 4224 -> 5    3 42243 -> 6    3 422433 -> 5
4 2243 -> 2    4 22433 -> 4    4 224334 -> 5
5 2433 -> 3    5 24334 -> 6    5 243342 -> 4
6 4334 -> 5    6 43342 -> 3    6 433422 -> 5
```

03

```
3 6 4
6 3 4    1
  ● ●
664334 -> 5
```

```
1 66 -> 1    1 664 -> 4
2 64 -> 2    2 643 -> 4
3 43 -> 1    3 433 -> 4
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 466 -> 4
```

```
1 6643 -> 2    1 66433 -> 4    1 664334 -> 5
2 6433 -> 2    2 64334 -> 3    2 643346 -> 4
3 4334 -> 5    3 43346 -> 2    3 433466 -> 5
4 3346 -> 3    4 33466 -> 4    4 334664 -> 5
5 3466 -> 6    5 34664 -> 2    5 346643 -> 4
6 4664 -> 5    6 46643 -> 6    6 466433 -> 5
```

04

```
3 2 5
2 3 5    1
  ● ●
225335 -> 4
```

```
1 22 -> 1    1 225 -> 5
2 25 -> 6    2 253 -> 5
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 522 -> 5
```

```
1 2253 -> 6    1 22533 -> 5    1 225335 -> 4
2 2533 -> 6    2 25335 -> 3    2 253352 -> 5
3 5335 -> 4    3 53352 -> 6    3 533522 -> 5
4 3352 -> 3    4 33522 -> 5    4 335225 -> 4
5 3522 -> 2    5 35225 -> 6    5 352253 -> 5
6 5225 -> 4    6 52253 -> 2    6 522533 -> 4
```

05

```
6 3 5
3 6 5    1
  ● ●
335665 -> 4
```

```
1 33 -> 1    1 335 -> 5
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 533 -> 5
```
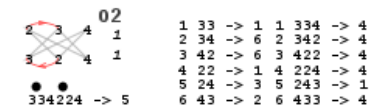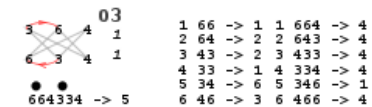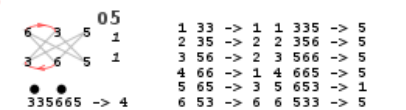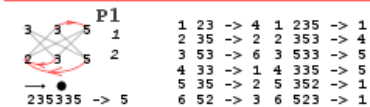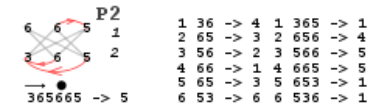
```
1 3356 -> 2    1 33566 -> 5    1 335665 -> 4
2 3566 -> 2    2 35665 -> 6    2 356653 -> 5
3 5665 -> 4    3 56653 -> 2    3 566533 -> 4
4 6653 -> 6    4 66533 -> 5    4 665335 -> 4
5 6533 -> 3    5 65335 -> 2    5 653356 -> 5
6 5335 -> 4    6 53356 -> 3    6 533566 -> 4
```

06

```
2 6 5
6 2 5    1
  ● ●
665225 -> 4
```

```
1 66 -> 1    1 665 -> 5
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 566 -> 5
```
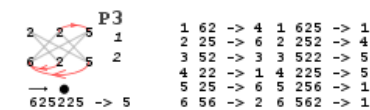
```
1 6652 -> 3    1 66522 -> 5    1 665225 -> 4
2 6522 -> 3    2 65225 -> 2    2 652256 -> 5
3 5225 -> 4    3 52256 -> 3    3 522566 -> 4
4 2256 -> 2    4 22566 -> 5    4 225665 -> 4
5 2566 -> 6    5 25665 -> 3    5 256652 -> 5
6 5665 -> 4    6 56652 -> 6    6 566522 -> 4
```
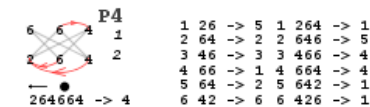
P1

```
3 3 5
2 3 5    2
→ ●
235335 -> 5
```

```
1 23 -> 4    1 235 -> 1
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 523 -> 1
```

```
1 2353 -> 3    1 23533 -> 1    1 235335 -> 4
2 3533 -> 3    2 35335 -> 6    2 353352 -> 4
3 5335 -> 4    3 53352 -> 6    3 533523 -> 5
4 3352 -> 3    4 33523 -> 1    4 335235 -> 5
5 3523 -> 5    5 35235 -> 2    5 352353 -> 4
6 5235 -> 5    6 52353 -> 6    6 523533 -> 5
```

P2

```
6 6 5
3 6 5    2
→ ●
365665 -> 5
```

```
1 36 -> 4    1 365 -> 1
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 536 -> 1
```
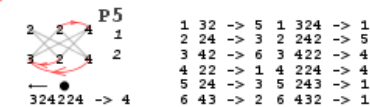
```
1 3656 -> 6    1 36566 -> 1    1 365665 -> 5
2 6566 -> 3    2 65665 -> 2    2 656653 -> 4
3 5665 -> 4    3 56653 -> 2    3 566536 -> 5
4 6653 -> 6    4 66536 -> 1    4 665365 -> 5
5 6536 -> 6    5 65365 -> 3    5 653656 -> 4
6 5365 -> 5    6 53656 -> 2    6 536566 -> 5
```

P3

```
2 2 5
6 2 5    2
→ ●
625225 -> 5
```

```
1 62 -> 4    1 625 -> 1
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 562 -> 1
```
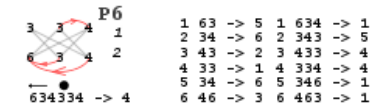
```
1 6252 -> 2    1 62522 -> 1    1 625225 -> 5
2 2522 -> 6    2 25225 -> 3    2 252256 -> 4
3 5225 -> 4    3 52256 -> 3    3 522562 -> 5
4 2256 -> 2    4 22562 -> 1    4 225625 -> 5
5 2562 -> 2    5 25625 -> 6    5 256252 -> 4
6 5625 -> 5    6 56252 -> 3    6 562522 -> 5
```

P4

```
6 2 4
2 6 4    2
← ●
264664 -> 4
```

```
1 26 -> 5    1 264 -> 1
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 426 -> 1
```
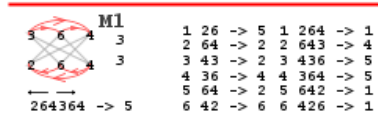
```
1 2646 -> 6    1 26466 -> 1    1 264664 -> 4
2 6466 -> 2    2 64664 -> 3    2 646642 -> 5
3 4664 -> 5    3 46642 -> 3    3 466426 -> 4
4 6642 -> 6    4 66426 -> 1    4 664264 -> 4
5 6426 -> 6    5 64264 -> 2    5 642646 -> 5
6 4264 -> 4    6 42646 -> 3    6 426466 -> 4
```

P5

```
2 3 4
3 2 4    2
← ●
324224 -> 4
```

```
1 32 -> 5    1 324 -> 1
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 432 -> 1
```

```
1 3242 -> 2    1 32422 -> 1    1 324224 -> 4
2 2422 -> 3    2 24224 -> 6    2 242243 -> 5
3 4224 -> 5    3 42243 -> 6    3 422432 -> 4
4 2243 -> 2    4 22432 -> 1    4 224324 -> 4
5 2432 -> 2    5 24324 -> 3    5 243242 -> 5
6 4324 -> 4    6 43242 -> 6    6 432422 -> 4
```

P6

```
6 3 4
3 6 4    2
← ●
634334 -> 4
```

```
1 63 -> 5    1 634 -> 1
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 463 -> 1
```

```
1 6343 -> 3    1 63433 -> 1    1 634334 -> 4
2 3433 -> 6    2 34334 -> 2    2 343346 -> 5
3 4334 -> 5    3 43346 -> 2    3 433463 -> 4
4 3346 -> 3    4 33463 -> 1    4 334634 -> 4
5 3463 -> 3    5 34634 -> 6    5 346343 -> 5
6 4634 -> 4    6 46343 -> 2    6 463433 -> 4
```

M1

`3 6 4` `3`
`2 6 4` `3`

264364 -> 5

```
1 26 -> 5    1 264 -> 1
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 436 -> 5
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 426 -> 1
```

```
1 2643 -> 3   1 26436 -> 4   1 264364 -> 5
2 6436 -> 3   2 64364 -> 6   2 643642 -> 4
3 4364 -> 1   3 43642 -> 2   3 436426 -> 5
4 3642 -> 3   4 36426 -> 4   4 364264 -> 5
5 6426 -> 6   5 64264 -> 2   5 642643 -> 4
6 4264 -> 4   6 42643 -> 2   6 426436 -> 5
```
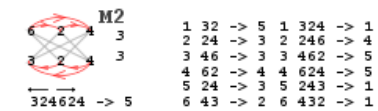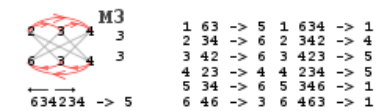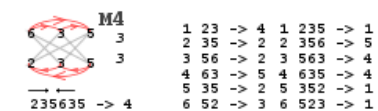
M2

`6 2 4` `3`
`3 2 4` `3`

324624 -> 5

```
1 32 -> 5    1 324 -> 1
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 462 -> 5
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 432 -> 1
```
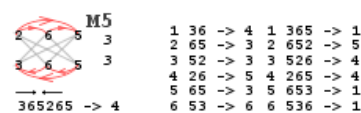
```
1 3246 -> 6   1 32462 -> 4   1 324624 -> 5
2 2462 -> 6   2 24624 -> 2   2 246243 -> 4
3 4624 -> 1   3 46243 -> 3   3 462432 -> 5
4 6243 -> 6   4 62432 -> 4   4 624324 -> 5
5 2432 -> 2   5 24324 -> 3   5 243246 -> 4
6 4324 -> 4   6 43246 -> 3   6 432462 -> 5
```

M3

`2 3 4` `3`
`6 3 4` `3`

634234 -> 5

```
1 63 -> 5    1 634 -> 1
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 423 -> 5
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 463 -> 1
```
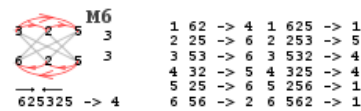
```
1 6342 -> 2   1 63423 -> 4   1 634234 -> 5
2 3423 -> 2   2 34234 -> 3   2 342346 -> 4
3 4234 -> 1   3 42346 -> 6   3 423463 -> 5
4 2346 -> 2   4 23463 -> 4   4 234634 -> 5
5 3463 -> 3   5 34634 -> 6   5 346342 -> 4
6 4634 -> 4   6 46342 -> 6   6 463423 -> 5
```

M4

`6 3 5` `3`
`2 3 5` `3`

235635 -> 4

```
1 23 -> 4    1 235 -> 1
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 563 -> 4
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 523 -> 1
```
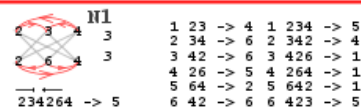
```
1 2356 -> 6   1 23563 -> 5   1 235635 -> 4
2 3563 -> 6   2 35635 -> 3   2 356352 -> 5
3 5635 -> 1   3 56352 -> 2   3 563523 -> 4
4 6352 -> 6   4 63523 -> 5   4 635235 -> 4
5 3523 -> 3   5 35235 -> 2   5 352356 -> 5
6 5235 -> 5   6 52356 -> 2   6 523563 -> 4
```

M5

`2 6 5` `3`
`3 6 5` `3`

365265 -> 4

```
1 36 -> 4    1 365 -> 1
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 526 -> 4
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 536 -> 1
```
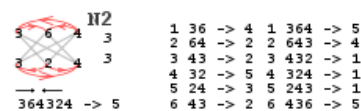
```
1 3652 -> 2   1 36526 -> 5   1 365265 -> 4
2 6526 -> 2   2 65265 -> 6   2 652653 -> 5
3 5265 -> 1   3 52653 -> 3   3 526536 -> 4
4 2653 -> 2   4 26536 -> 5   4 265365 -> 4
5 6536 -> 6   5 65365 -> 3   5 653652 -> 5
6 5365 -> 5   6 53652 -> 3   6 536526 -> 4
```
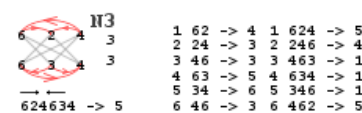
M6

`2 6 5` `3`
`3 6 5` `3`

625325 -> 4

```
1 62 -> 4    1 625 -> 1
2 25 -> 6    2 253 -> 5
3 53 -> 6    3 532 -> 4
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 562 -> 1
```

```
1 6253 -> 3   1 62532 -> 5   1 625325 -> 4
2 2532 -> 3   2 25325 -> 2   2 253256 -> 5
3 5325 -> 1   3 53256 -> 6   3 532562 -> 4
4 3256 -> 3   4 32562 -> 5   4 325625 -> 4
5 2562 -> 2   5 25625 -> 6   5 256253 -> 5
6 5625 -> 6   6 56253 -> 6   6 562532 -> 4
```

N1

`2 3 4` `3`
`2 6 4` `3`

234264 -> 5

```
1 23 -> 4    1 234 -> 5
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 423 -> 5
```
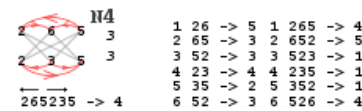
```
1 2342 -> 3   1 23426 -> 4   1 234264 -> 5
2 3426 -> 3   2 34264 -> 6   2 342642 -> 4
3 4264 -> 4   3 42642 -> 6   3 426423 -> 5
4 2642 -> 2   4 26423 -> 4   4 264234 -> 5
5 6423 -> 3   5 64234 -> 6   5 642342 -> 4
6 4234 -> 1   6 42342 -> 2   6 423426 -> 5
```

N2

`3 6 4` `3`
`3 2 4` `3`

364324 -> 5

```
1 36 -> 4    1 364 -> 5
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 436 -> 5
```
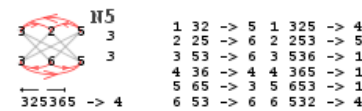
```
1 3643 -> 6   1 36432 -> 4   1 364324 -> 5
2 6432 -> 6   2 64324 -> 2   2 643243 -> 4
3 4324 -> 4   3 43243 -> 2   3 432436 -> 5
4 3243 -> 3   4 32436 -> 4   4 324364 -> 5
5 2436 -> 6   5 24364 -> 2   5 243643 -> 4
6 4364 -> 1   6 43643 -> 3   6 436432 -> 5
```

N3

`6 2 4` `3`
`6 3 4` `3`

624634 -> 5

```
1 62 -> 4    1 624 -> 5
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 462 -> 5
```
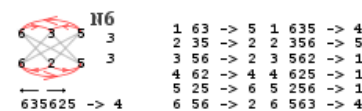
```
1 6246 -> 2   1 62463 -> 4   1 624634 -> 5
2 2463 -> 2   2 24634 -> 3   2 246346 -> 4
3 4634 -> 4   3 46346 -> 3   3 463462 -> 5
4 6346 -> 6   4 63462 -> 4   4 634624 -> 5
5 3462 -> 2   5 34624 -> 3   5 346246 -> 4
6 4624 -> 1   6 46246 -> 6   6 462463 -> 5
```
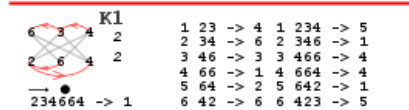
N4

`2 6 5` `3`
`2 3 5` `3`

265235 -> 4

```
1 26 -> 5    1 265 -> 4
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 526 -> 4
```

```
1 2652 -> 6   1 26523 -> 5   1 265235 -> 4
2 6523 -> 6   2 65235 -> 3   2 652352 -> 5
3 5235 -> 5   3 52352 -> 3   3 523526 -> 4
4 2352 -> 2   4 23526 -> 5   4 235265 -> 4
5 3526 -> 3   5 35265 -> 3   5 352652 -> 5
6 5265 -> 1   6 52652 -> 2   6 526523 -> 4
```

N5

`3 2 5` `3`
`3 6 5` `3`

325365 -> 4

```
1 32 -> 5    1 325 -> 4
2 25 -> 6    2 253 -> 5
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 365 -> 1
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 532 -> 4
```

```
1 3253 -> 2   1 32536 -> 5   1 325365 -> 4
2 2536 -> 2   2 25365 -> 6   2 253653 -> 5
3 5365 -> 5   3 53653 -> 3   3 536532 -> 4
4 3653 -> 3   4 36532 -> 5   4 365325 -> 4
5 6532 -> 2   5 65325 -> 6   5 653253 -> 5
6 5325 -> 1   6 53253 -> 3   6 532536 -> 4
```

N6

`6 3 5` `3`
`6 2 5` `3`

635625 -> 4

```
1 63 -> 5    1 635 -> 4
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 563 -> 4
```

```
1 6356 -> 3   1 63562 -> 5   1 635625 -> 4
2 3562 -> 3   2 35625 -> 2   2 356256 -> 5
3 5625 -> 5   3 56256 -> 2   3 562563 -> 4
4 6256 -> 6   4 62563 -> 5   4 625635 -> 4
5 2563 -> 3   5 25635 -> 2   5 256356 -> 5
6 5635 -> 1   6 56356 -> 6   6 563562 -> 4
```

K1

```
6 3 4   2
        2
2 6 4
→   ●
234664 -> 1

1 23 -> 4    1 234 -> 4
2 34 -> 6    2 346 -> 1
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 423 -> 5

1 2346 -> 2   1 23466 -> 5   1 234664 -> 1
2 3466 -> 6   2 34664 -> 2   2 346642 -> 1
3 4664 -> 5   3 46642 -> 3   3 466423 -> 1
4 6642 -> 6   4 66423 -> 5   4 664234 -> 1
5 6423 -> 3   5 64234 -> 6   5 642346 -> 1
6 4234 -> 1   6 42346 -> 6   6 423466 -> 1
```

K5

```
3 2 4   2
        2
6 3 4
→   ●
624334 -> 1

1 62 -> 4    1 624 -> 5
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 462 -> 5

1 6243 -> 6   1 62433 -> 5   1 624334 -> 1
2 2433 -> 3   2 24334 -> 6   2 243346 -> 1
3 4334 -> 5   3 43346 -> 2   3 433462 -> 1
4 3346 -> 3   4 33462 -> 5   4 334624 -> 1
5 3462 -> 2   5 34624 -> 3   5 346243 -> 1
6 4624 -> 1   6 46243 -> 3   6 462433 -> 1
```

L3

```
6 3 4   2
        2
3 2 4
●   →
334624 -> 1

1 33 -> 1    1 334 -> 4
2 34 -> 6    2 346 -> 1
3 46 -> 3    3 462 -> 5
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 433 -> 4

1 3346 -> 3   1 33462 -> 5   1 334624 -> 1
2 3462 -> 2   2 34624 -> 3   2 346243 -> 1
3 4624 -> 1   3 46243 -> 3   3 462433 -> 1
4 6243 -> 6   4 62433 -> 5   4 624334 -> 1
5 2433 -> 3   5 24334 -> 6   5 243346 -> 1
6 4334 -> 5   6 43346 -> 2   6 433462 -> 1
```

K2

```
3 5   2
      2
3 6 5
←   ●
265335 -> 1

1 26 -> 5    1 265 -> 4
2 65 -> 3    2 653 -> 1
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 526 -> 4

1 2653 -> 2   1 26533 -> 4   1 265335 -> 1
2 6533 -> 3   2 65335 -> 2   2 653352 -> 1
3 5335 -> 4   3 53352 -> 6   3 533526 -> 1
4 3352 -> 3   4 33526 -> 4   4 335265 -> 1
5 3526 -> 6   5 35265 -> 3   5 352653 -> 1
6 5265 -> 1   6 52653 -> 3   6 526533 -> 1
```
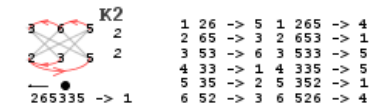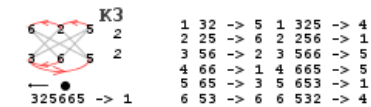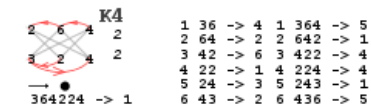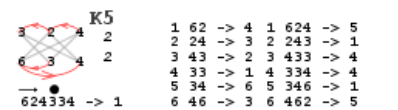
K6

```
2 5   2
      2
6 3 5
←   ●
635225 -> 1

1 63 -> 5    1 635 -> 4
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 563 -> 4

1 6352 -> 6   1 63522 -> 4   1 635225 -> 1
2 3522 -> 2   2 35225 -> 6   2 352256 -> 1
3 5225 -> 4   3 52256 -> 3   3 522563 -> 1
4 2256 -> 2   4 22563 -> 4   4 225635 -> 1
5 2563 -> 3   5 25635 -> 2   5 256352 -> 1
6 5635 -> 1   6 56352 -> 2   6 563522 -> 1
```

L4

```
3 5   2
      2
3 6 5
●   →
335265 -> 1

1 33 -> 1    1 335 -> 5
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 526 -> 4
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 533 -> 5

1 3352 -> 3   1 33526 -> 4   1 335265 -> 1
2 3526 -> 6   2 35265 -> 3   2 352653 -> 1
3 5265 -> 1   3 52653 -> 3   3 526533 -> 1
4 2653 -> 2   4 26533 -> 4   4 265335 -> 1
5 6533 -> 3   5 65335 -> 2   5 653352 -> 1
6 5335 -> 4   6 53352 -> 6   6 533526 -> 1
```

K3

```
6 2 5   2
        2
3 6 5
←   ●
325665 -> 1

1 32 -> 5    1 325 -> 4
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 532 -> 4

1 3256 -> 3   1 32566 -> 4   1 325665 -> 1
2 2566 -> 6   2 25665 -> 3   2 256653 -> 1
3 5665 -> 4   3 56653 -> 2   3 566532 -> 1
4 6653 -> 6   4 66532 -> 4   4 665325 -> 1
5 6532 -> 2   5 65325 -> 6   5 653256 -> 1
6 5325 -> 1   6 53256 -> 6   6 532566 -> 1
```
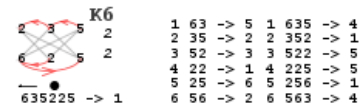
L1

```
3 2 4   2
        2
2 6 4
●   →
224364 -> 1

1 22 -> 1    1 224 -> 4
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 436 -> 5
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 422 -> 4

1 2243 -> 2   1 22436 -> 5   1 224364 -> 1
2 2436 -> 6   2 24364 -> 2   2 243642 -> 1
3 4364 -> 3   3 43642 -> 2   3 436422 -> 1
4 3642 -> 3   4 36422 -> 5   4 364224 -> 1
5 6422 -> 5   5 64224 -> 3   5 642243 -> 1
6 4224 -> 5   6 42243 -> 6   6 422436 -> 1
```

L5

```
2 6 4   2
        2
6 3 4
●   →
664234 -> 1

1 66 -> 1    1 664 -> 4
2 64 -> 2    2 642 -> 1
3 42 -> 6    3 423 -> 5
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 466 -> 4

1 6642 -> 6   1 66423 -> 5   1 664234 -> 1
2 6423 -> 3   2 64234 -> 6   2 642346 -> 1
3 4234 -> 1   3 42346 -> 6   3 423466 -> 1
4 2346 -> 2   4 23466 -> 5   4 234664 -> 1
5 3466 -> 6   5 34664 -> 2   5 346642 -> 1
6 4664 -> 5   6 46642 -> 3   6 466423 -> 1
```

K4

```
2 5 4   2
        2
3 6 4
→   ●
364224 -> 1

1 36 -> 4    1 364 -> 5
2 64 -> 2    2 642 -> 1
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 436 -> 5

1 3642 -> 3   1 36422 -> 5   1 364224 -> 1
2 6422 -> 2   2 64224 -> 3   2 642243 -> 1
3 4224 -> 5   3 42243 -> 6   3 422436 -> 1
4 2243 -> 2   4 22436 -> 5   4 224364 -> 1
5 2436 -> 6   5 24364 -> 2   5 243642 -> 1
6 4364 -> 1   6 43642 -> 2   6 436422 -> 1
```
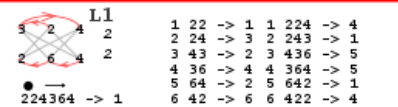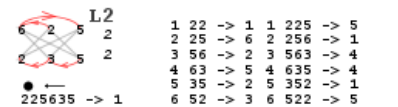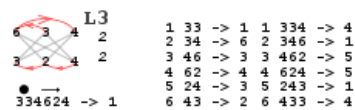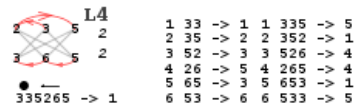
L2

```
3 5   2
      2
2 6 5
●   ←
225635 -> 1

1 22 -> 1    1 225 -> 5
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 563 -> 4
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 522 -> 5

1 2256 -> 2   1 22563 -> 4   1 225635 -> 1
2 2563 -> 3   2 25635 -> 2   2 256352 -> 1
3 5635 -> 1   3 56352 -> 2   3 563522 -> 1
4 6352 -> 6   4 63522 -> 4   4 635225 -> 1
5 3522 -> 2   5 35225 -> 6   5 352256 -> 1
6 5225 -> 4   6 52256 -> 3   6 522563 -> 1
```
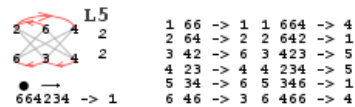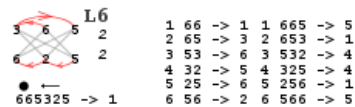
L6

```
3 6 5   2
        2
6 2 5
●   ←
665325 -> 1

1 66 -> 1    1 665 -> 5
2 65 -> 3    2 653 -> 1
3 53 -> 6    3 532 -> 4
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 566 -> 5

1 6653 -> 6   1 66532 -> 4   1 665325 -> 1
2 6532 -> 2   2 65325 -> 6   2 653256 -> 1
3 5325 -> 1   3 53256 -> 6   3 532566 -> 1
4 3256 -> 3   4 32566 -> 4   4 325665 -> 1
5 2566 -> 6   5 25665 -> 3   5 256653 -> 1
6 5665 -> 4   6 56653 -> 2   6 566532 -> 1
```

```
        I1                1 22 -> 1   1 224 -> 4
   2  2  4   1            2 24 -> 3   2 242 -> 5
                          3 42 -> 6   3 423 -> 5
   2  3  4   2            4 23 -> 4   4 234 -> 5
   •  →                   5 34 -> 6   5 342 -> 5
   224234 -> 1            6 42 -> 6   6 422 -> 4

1 2242 -> 6   1 22423 -> 5   1 224234 -> 1
2 2423 -> 6   2 24234 -> 2   2 242342 -> 1
3 4234 -> 1   3 42342 -> 2   3 423422 -> 1
4 2342 -> 3   4 23422 -> 5   4 234224 -> 1
5 3422 -> 6   5 34224 -> 2   5 342242 -> 1
6 4224 -> 5   6 42242 -> 3   6 422423 -> 1
```

```
        I5                1 66 -> 1   1 664 -> 4
   6  6  4   1            2 64 -> 2   2 646 -> 5
                          3 46 -> 3   3 462 -> 5
   2  2  4   2            4 62 -> 4   4 624 -> 5
   •  →                   5 24 -> 3   5 246 -> 4
   664624 -> 1            6 46 -> 3   6 466 -> 4

1 6646 -> 3   1 66462 -> 5   1 664624 -> 1
2 6462 -> 6   2 64624 -> 2   2 646246 -> 1
3 4624 -> 1   3 46246 -> 6   3 462466 -> 1
4 6246 -> 2   4 62466 -> 5   4 624664 -> 1
5 2466 -> 3   5 24664 -> 6   5 246646 -> 1
6 4664 -> 5   6 46646 -> 2   6 466462 -> 1
```

```
        J3                1 32 -> 5   1 324 -> 1
   3  2  4   3            2 24 -> 3   2 243 -> 1
                          3 43 -> 2   3 432 -> 1
   2     4   3            4 32 -> 5   4 324 -> 1
   ←                      5 24 -> 3   5 243 -> 1
   324324 -> 1            6 43 -> 2   6 432 -> 1

1 3243 -> 3   1 32432 -> 5   1 324324 -> 1
2 2432 -> 2   2 24324 -> 3   2 243243 -> 1
3 4324 -> 4   3 43243 -> 2   3 432432 -> 1
4 3243 -> 3   4 32432 -> 5   4 324324 -> 1
5 2432 -> 2   5 24324 -> 3   5 243243 -> 1
6 4324 -> 4   6 43243 -> 2   6 432432 -> 1
```

```
        I2                1 22 -> 1   1 225 -> 5
   2  2  5   1            2 25 -> 6   2 252 -> 4
                          3 52 -> 3   3 526 -> 4
   2  6  5   2            4 26 -> 5   4 265 -> 4
   •  ←                   5 65 -> 3   5 652 -> 5
   225265 -> 1            6 52 -> 3   6 522 -> 5

1 2252 -> 3   1 22526 -> 4   1 225265 -> 1
2 2526 -> 3   2 25265 -> 2   2 252652 -> 1
3 5265 -> 1   3 52652 -> 2   3 526522 -> 1
4 2652 -> 6   4 26522 -> 4   4 265225 -> 1
5 6522 -> 3   5 65225 -> 2   5 652252 -> 1
6 5225 -> 4   6 52252 -> 6   6 522526 -> 1
```

```
        I6                1 66 -> 1   1 665 -> 5
   6  6  5   1            2 65 -> 3   2 656 -> 4
                          3 56 -> 2   3 563 -> 4
   2  6  5   2            4 63 -> 5   4 635 -> 4
   •  ←                   5 35 -> 2   5 356 -> 5
   665635 -> 1            6 56 -> 2   6 566 -> 5

1 6656 -> 2   1 66563 -> 4   1 665635 -> 1
2 6563 -> 2   2 65635 -> 6   2 656356 -> 1
3 5635 -> 1   3 56356 -> 6   3 563566 -> 1
4 6356 -> 3   4 63566 -> 4   4 635665 -> 1
5 3566 -> 2   5 35665 -> 6   5 356656 -> 1
6 5665 -> 4   6 56656 -> 3   6 566563 -> 1
```

```
        J4                1 36 -> 4   1 365 -> 1
   3  6  5   3            2 65 -> 3   2 653 -> 1
                          3 53 -> 6   3 536 -> 1
      6  5   3            4 36 -> 4   4 365 -> 1
   →                      5 65 -> 3   5 653 -> 1
   365365 -> 1            6 53 -> 6   6 536 -> 1

1 3653 -> 3   1 36536 -> 4   1 365365 -> 1
2 6536 -> 6   2 65365 -> 3   2 653653 -> 1
3 5365 -> 5   3 53653 -> 6   3 536536 -> 1
4 3653 -> 3   4 36536 -> 4   4 365365 -> 1
5 6536 -> 6   5 65365 -> 3   5 653653 -> 1
6 5365 -> 5   6 53653 -> 6   6 536536 -> 1
```

```
        I3                1 33 -> 1   1 334 -> 4
   3  3  4   1            2 34 -> 6   2 343 -> 5
                          3 43 -> 2   3 436 -> 5
   3  6  4   2            4 36 -> 4   4 364 -> 5
   •  →                   5 64 -> 2   5 643 -> 4
   334364 -> 1            6 43 -> 2   6 433 -> 4

1 3343 -> 2   1 33436 -> 5   1 334364 -> 1
2 3436 -> 2   2 34364 -> 3   2 343643 -> 1
3 4364 -> 1   3 43643 -> 3   3 436433 -> 1
4 3643 -> 6   4 36433 -> 5   4 364334 -> 1
5 6433 -> 2   5 64334 -> 3   5 643343 -> 1
6 4334 -> 5   6 43343 -> 6   6 433436 -> 1
```
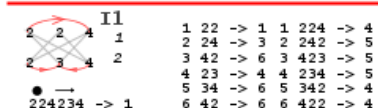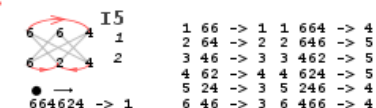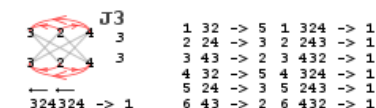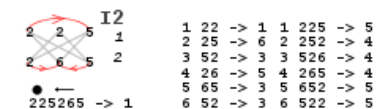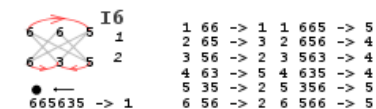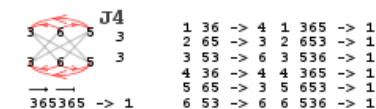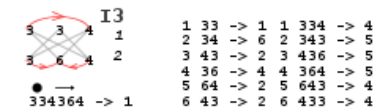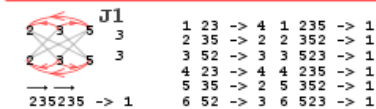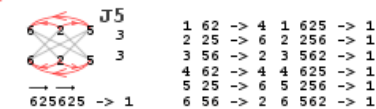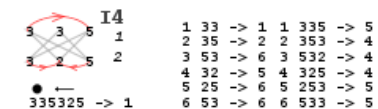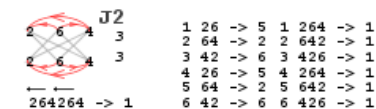
```
        J1                1 23 -> 4   1 235 -> 1
   2  3  5   3            2 35 -> 2   2 352 -> 1
                          3 52 -> 3   3 523 -> 1
   2  3  5   3            4 23 -> 4   4 235 -> 1
   →  →                   5 35 -> 2   5 352 -> 1
   235235 -> 1            6 52 -> 3   6 523 -> 1

1 2352 -> 2   1 23523 -> 4   1 235235 -> 1
2 3523 -> 3   2 35235 -> 2   2 352352 -> 1
3 5235 -> 5   3 52352 -> 3   3 523523 -> 1
4 2352 -> 2   4 23523 -> 4   4 235235 -> 1
5 3523 -> 3   5 35235 -> 2   5 352352 -> 1
6 5235 -> 5   6 52352 -> 3   6 523523 -> 1
```

```
        J5                1 62 -> 4   1 625 -> 1
   6  2  5   3            2 25 -> 6   2 256 -> 1
                          3 56 -> 2   3 562 -> 1
   6  2  5   3            4 62 -> 4   4 625 -> 1
   →  ←                   5 25 -> 6   5 256 -> 1
   625625 -> 1            6 56 -> 2   6 562 -> 1

1 6256 -> 6   1 62562 -> 4   1 625625 -> 1
2 2562 -> 2   2 25625 -> 6   2 256256 -> 1
3 5625 -> 5   3 56256 -> 2   3 562562 -> 1
4 6256 -> 6   4 62562 -> 4   4 625625 -> 1
5 2562 -> 2   5 25625 -> 6   5 256256 -> 1
6 5625 -> 5   6 56256 -> 2   6 562562 -> 1
```
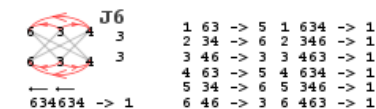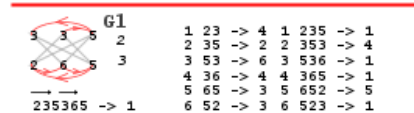
```
        I4                1 33 -> 1   1 335 -> 5
   3  3  5   1            2 35 -> 2   2 353 -> 4
                          3 53 -> 6   3 532 -> 4
   3  2  5   2            4 32 -> 5   4 325 -> 4
   •  →                   5 25 -> 6   5 253 -> 5
   335325 -> 1            6 53 -> 6   6 533 -> 5

1 3353 -> 6   1 33532 -> 4   1 335325 -> 1
2 3532 -> 6   2 35325 -> 3   2 353253 -> 1
3 5325 -> 1   3 53253 -> 3   3 532533 -> 1
4 3253 -> 2   4 32533 -> 4   4 325335 -> 1
5 2533 -> 6   5 25335 -> 3   5 253353 -> 1
6 5335 -> 4   6 53353 -> 2   6 533532 -> 1
```

```
        J2                1 26 -> 5   1 264 -> 1
   2  6  4   3            2 64 -> 2   2 642 -> 1
                          3 42 -> 6   3 426 -> 1
   2  6  4   3            4 26 -> 5   4 264 -> 1
   ←  ←                   5 64 -> 2   5 642 -> 1
   264264 -> 1            6 42 -> 6   6 426 -> 1

1 2642 -> 2   1 26426 -> 5   1 264264 -> 1
2 6426 -> 6   2 64264 -> 2   2 642642 -> 1
3 4264 -> 4   3 42642 -> 6   3 426426 -> 1
4 2642 -> 2   4 26426 -> 5   4 264264 -> 1
5 6426 -> 6   5 64264 -> 2   5 642642 -> 1
6 4264 -> 4   6 42642 -> 6   6 426426 -> 1
```
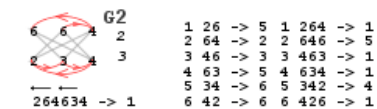
```
        J6                1 63 -> 5   1 634 -> 1
   6  3  4   3            2 34 -> 6   2 346 -> 1
                          3 46 -> 3   3 463 -> 1
   6  3  4   3            4 63 -> 5   4 634 -> 1
   ←  ←                   5 34 -> 6   5 346 -> 1
   634634 -> 1            6 46 -> 3   6 463 -> 1

1 6346 -> 6   1 63463 -> 5   1 634634 -> 1
2 3463 -> 3   2 34634 -> 6   2 346346 -> 1
3 4634 -> 4   3 46346 -> 3   3 463463 -> 1
4 6346 -> 6   4 63463 -> 5   4 634634 -> 1
5 3463 -> 3   5 34634 -> 6   5 346346 -> 1
6 4634 -> 4   6 46346 -> 3   6 463463 -> 1
```
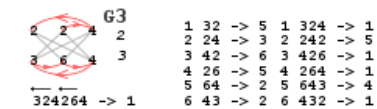
G1

235365 -> 1

```
1 23 -> 4    1 235 -> 1
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 365 -> 1
5 65 -> 3    5 652 -> 5
6 52 -> 3    6 523 -> 1
```
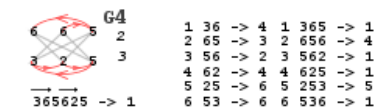
```
1 2353 -> 3    1 23536 -> 4    1 235365 -> 1
2 3536 -> 3    2 35365 -> 2    2 353652 -> 1
3 5365 -> 5    3 53652 -> 3    3 536523 -> 1
4 3652 -> 2    4 36523 -> 4    4 365235 -> 1
5 6523 -> 6    5 65235 -> 3    5 652353 -> 1
6 5235 -> 5    6 52353 -> 6    6 523536 -> 1
```

G2

264634 -> 1

```
1 26 -> 5    1 264 -> 1
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 342 -> 4
6 42 -> 6    6 426 -> 1
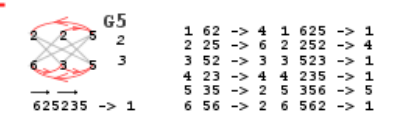```

```
1 2646 -> 6    1 26463 -> 5    1 264634 -> 1
2 6463 -> 6    2 64634 -> 2    2 646342 -> 1
3 4634 -> 4    3 46342 -> 6    3 463426 -> 1
4 6342 -> 2    4 63426 -> 5    4 634264 -> 1
5 3426 -> 3    5 34264 -> 6    5 342646 -> 1
6 4264 -> 4    6 42646 -> 3    6 426463 -> 1
```

G3

324264 -> 1

```
1 32 -> 5    1 324 -> 1
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 643 -> 4
6 43 -> 2    6 432 -> 1
```
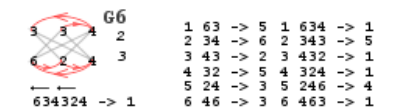
```
1 3242 -> 2    1 32426 -> 5    1 324264 -> 1
2 2426 -> 2    2 24264 -> 3    2 242643 -> 1
3 4264 -> 4    3 42643 -> 2    3 426432 -> 1
4 2643 -> 3    4 26432 -> 5    4 264324 -> 1
5 6432 -> 6    5 64324 -> 2    5 643242 -> 1
6 4324 -> 4    6 43242 -> 6    6 432426 -> 1
```

G4

365625 -> 1

```
1 36 -> 4    1 365 -> 1
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 253 -> 5
6 53 -> 6    6 536 -> 1
```
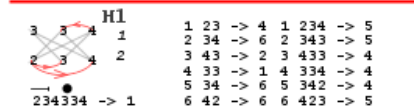
```
1 3656 -> 6    1 36562 -> 4    1 365625 -> 1
2 6562 -> 6    2 65625 -> 3    2 656253 -> 1
3 5625 -> 5    3 56253 -> 6    3 562536 -> 1
4 6253 -> 3    4 62536 -> 4    4 625365 -> 1
5 2536 -> 2    5 25365 -> 6    5 253656 -> 1
6 5365 -> 5    6 53656 -> 2    6 536562 -> 1
```

G5

625235 -> 1

```
1 62 -> 4    1 625 -> 1
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 356 -> 5
6 56 -> 2    6 562 -> 1
```
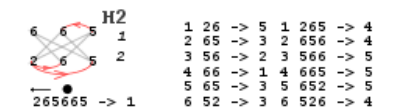
```
1 6252 -> 2    1 62523 -> 4    1 625235 -> 1
2 2523 -> 2    2 25235 -> 6    2 252356 -> 1
3 5235 -> 5    3 52356 -> 2    3 523562 -> 1
4 2356 -> 6    4 23562 -> 4    4 235625 -> 1
5 3562 -> 3    5 35625 -> 2    5 356252 -> 1
6 5625 -> 5    6 56252 -> 3    6 562523 -> 1
```

G6

634324 -> 1

```
1 63 -> 5    1 634 -> 1
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 246 -> 4
6 46 -> 3    6 463 -> 1
```
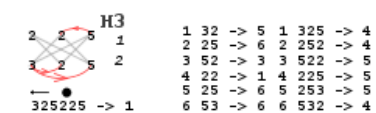
```
1 6343 -> 3    1 63432 -> 5    1 634324 -> 1
2 3432 -> 3    2 34324 -> 6    2 343246 -> 1
3 4324 -> 4    3 43246 -> 3    3 432463 -> 1
4 3246 -> 6    4 32463 -> 5    4 324634 -> 1
5 2463 -> 2    5 24634 -> 3    5 246343 -> 1
6 4634 -> 4    6 46343 -> 2    6 463432 -> 1
```

H1

234334 -> 1

```
1 23 -> 4    1 234 -> 5
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 342 -> 4
6 42 -> 6    6 423 -> 5
```
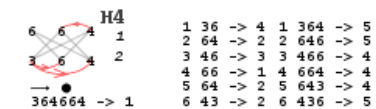
```
1 2343 -> 6    1 23433 -> 5    1 234334 -> 1
2 3433 -> 6    2 34334 -> 2    2 343342 -> 1
3 4334 -> 5    3 43342 -> 3    3 433423 -> 1
4 3342 -> 6    4 33423 -> 5    4 334234 -> 1
5 3423 -> 2    5 34234 -> 3    5 342343 -> 1
6 4234 -> 1    6 42343 -> 3    6 423433 -> 1
```
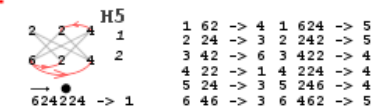
H2

265665 -> 1

```
1 26 -> 5    1 265 -> 5
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 652 -> 5
6 52 -> 3    6 526 -> 4
```

```
1 2656 -> 3    1 26566 -> 4    1 265665 -> 1
2 6566 -> 3    2 65665 -> 2    2 656652 -> 1
3 5665 -> 4    3 56652 -> 6    3 566526 -> 1
4 6652 -> 2    4 66526 -> 4    4 665265 -> 1
5 6526 -> 2    5 65265 -> 6    5 652656 -> 1
6 5265 -> 1    6 52656 -> 6    6 526566 -> 1
```

H3

325225 -> 1

```
1 32 -> 5    1 325 -> 4
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 225 -> 1
5 25 -> 6    5 253 -> 5
6 53 -> 6    6 532 -> 4
```
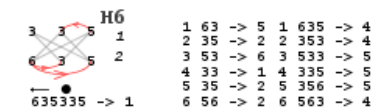
```
1 3252 -> 6    1 32522 -> 4    1 325225 -> 1
2 2522 -> 6    2 25225 -> 3    2 252253 -> 1
3 5225 -> 4    3 52253 -> 2    3 522532 -> 1
4 2253 -> 6    4 22532 -> 4    4 225325 -> 1
5 2532 -> 3    5 25325 -> 2    5 253252 -> 1
6 5325 -> 1    6 53252 -> 2    6 532522 -> 1
```

H4

364664 -> 1

```
1 36 -> 4    1 364 -> 5
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 643 -> 4
6 43 -> 2    6 436 -> 5
```

```
1 3646 -> 2    1 36466 -> 5    1 364664 -> 1
2 6466 -> 2    2 64664 -> 3    2 646643 -> 1
3 4664 -> 5    3 46643 -> 6    3 466436 -> 1
4 6643 -> 2    4 66436 -> 5    4 664364 -> 1
5 6436 -> 5    5 64364 -> 6    5 643646 -> 1
6 4364 -> 4    6 43646 -> 6    6 436466 -> 1
```

H5

624224 -> 1

```
1 62 -> 4    1 624 -> 5
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 246 -> 4
6 46 -> 3    6 462 -> 5
```

```
1 6242 -> 3    1 62422 -> 5    1 624224 -> 1
2 2422 -> 3    2 24224 -> 6    2 242246 -> 1
3 4224 -> 5    3 42246 -> 2    3 422462 -> 1
4 2246 -> 3    4 22462 -> 5    4 224624 -> 1
5 2462 -> 6    5 24624 -> 2    5 246242 -> 1
6 4624 -> 1    6 46242 -> 2    6 462422 -> 1
```

H6

635335 -> 1

```
1 63 -> 5    1 635 -> 4
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 356 -> 5
6 56 -> 2    6 563 -> 4
```

```
1 6353 -> 2    1 63533 -> 4    1 635335 -> 1
2 3533 -> 2    2 35335 -> 6    2 353356 -> 1
3 5335 -> 4    3 53356 -> 3    3 533563 -> 1
4 3356 -> 2    4 33563 -> 4    4 335635 -> 1
5 3563 -> 6    5 35635 -> 3    5 356353 -> 1
6 5635 -> 1    6 56353 -> 3    6 563533 -> 1
```

E1

265265 -> 5

```
1 26 -> 5   1 265 -> 4
2 65 -> 3   2 652 -> 5
3 52 -> 3   3 526 -> 4
4 26 -> 5   4 265 -> 4
5 65 -> 3   5 652 -> 5
6 52 -> 3   6 526 -> 4

1 2652 -> 6   1 26526 -> 1   1 265265 -> 5
2 6526 -> 2   2 65265 -> 6   2 652652 -> 4
3 5265 -> 1   3 52652 -> 2   3 526526 -> 5
4 2652 -> 6   4 26526 -> 1   4 265265 -> 5
5 6526 -> 2   5 65265 -> 6   5 652652 -> 4
6 5265 -> 1   6 52652 -> 2   6 526526 -> 5
```

E2

325325 -> 5

```
1 32 -> 5   1 325 -> 4
2 25 -> 6   2 253 -> 5
3 53 -> 6   3 532 -> 4
4 32 -> 5   4 325 -> 4
5 25 -> 6   5 253 -> 5
6 53 -> 6   6 532 -> 4

1 3253 -> 2   1 32532 -> 1   1 325325 -> 5
2 2532 -> 3   2 25325 -> 2   2 253253 -> 5
3 5325 -> 1   3 53253 -> 3   3 532532 -> 5
4 3253 -> 2   4 32532 -> 1   4 325325 -> 5
5 2532 -> 3   5 25325 -> 2   5 253253 -> 4
6 5325 -> 1   6 53253 -> 3   6 532532 -> 5
```

E3

635635 -> 5

```
1 63 -> 5   1 635 -> 4
2 35 -> 2   2 356 -> 5
3 56 -> 2   3 563 -> 4
4 63 -> 5   4 635 -> 4
5 35 -> 2   5 356 -> 5
6 56 -> 2   6 563 -> 4

1 6356 -> 3   1 63563 -> 1   1 635635 -> 5
2 3563 -> 6   2 35635 -> 3   2 356356 -> 4
3 5635 -> 1   3 56356 -> 6   3 563563 -> 5
4 6356 -> 3   4 63563 -> 1   4 635635 -> 5
5 3563 -> 6   5 35635 -> 3   5 356356 -> 5
6 5635 -> 1   6 56356 -> 6   6 563563 -> 5
```

E4

234234 -> 4

```
1 23 -> 4   1 234 -> 5
2 34 -> 6   2 342 -> 4
3 42 -> 6   3 423 -> 5
4 23 -> 4   4 234 -> 5
5 34 -> 6   5 342 -> 4
6 42 -> 6   6 423 -> 5

1 2342 -> 3   1 23423 -> 1   1 234234 -> 4
2 3423 -> 2   2 34234 -> 3   2 342342 -> 5
3 4234 -> 1   3 42342 -> 2   3 423423 -> 4
4 2342 -> 3   4 23423 -> 1   4 234234 -> 4
5 3423 -> 2   5 34234 -> 3   5 342342 -> 5
6 4234 -> 1   6 42342 -> 2   6 423423 -> 4
```

E5

364364 -> 4

```
1 36 -> 4   1 364 -> 5
2 64 -> 2   2 643 -> 4
3 43 -> 2   3 436 -> 5
4 36 -> 4   4 364 -> 5
5 64 -> 2   5 643 -> 4
6 43 -> 2   6 436 -> 5

1 3643 -> 6   1 36436 -> 1   1 364364 -> 4
2 6436 -> 3   2 64364 -> 6   2 643643 -> 5
3 4364 -> 1   3 43643 -> 3   3 436436 -> 4
4 3643 -> 6   4 36436 -> 1   4 364364 -> 4
5 6436 -> 3   5 64364 -> 6   5 643643 -> 5
6 4364 -> 1   6 43643 -> 3   6 436436 -> 4
```

E6

624624 -> 4

```
1 62 -> 4   1 624 -> 5
2 24 -> 3   2 246 -> 4
3 46 -> 3   3 462 -> 4
4 62 -> 4   4 624 -> 5
5 24 -> 3   5 246 -> 5
6 46 -> 3   6 462 -> 5

1 6246 -> 2   1 62462 -> 1   1 624624 -> 4
2 2462 -> 6   2 24624 -> 2   2 246246 -> 4
3 4624 -> 1   3 46246 -> 6   3 462462 -> 4
4 6246 -> 2   4 62462 -> 1   4 624624 -> 4
5 2462 -> 6   5 24624 -> 2   5 246246 -> 5
6 4624 -> 1   6 46246 -> 6   6 462462 -> 4
```

F1

225365 -> 5

```
1 22 -> 1   1 225 -> 5
2 25 -> 6   2 253 -> 5
3 53 -> 6   3 536 -> 1
4 36 -> 4   4 365 -> 1
5 65 -> 3   5 652 -> 5
6 52 -> 3   6 522 -> 6

1 2253 -> 6   1 22536 -> 1   1 225365 -> 5
2 2536 -> 2   2 25365 -> 6   2 253652 -> 4
3 5365 -> 5   3 53652 -> 3   3 536522 -> 6
4 3652 -> 2   4 36522 -> 1   4 365225 -> 5
5 6522 -> 3   5 65225 -> 2   5 652253 -> 4
6 5225 -> 4   6 52253 -> 2   6 522536 -> 5
```

F2

335625 -> 5

```
1 33 -> 1   1 335 -> 5
2 35 -> 2   2 356 -> 5
3 56 -> 2   3 562 -> 1
4 62 -> 4   4 625 -> 1
5 25 -> 6   5 253 -> 5
6 53 -> 6   6 533 -> 5

1 3356 -> 2   1 33562 -> 1   1 335625 -> 5
2 3562 -> 3   2 35625 -> 2   2 356253 -> 4
3 5625 -> 5   3 56253 -> 6   3 562533 -> 5
4 6253 -> 3   4 62533 -> 1   4 625335 -> 5
5 2533 -> 6   5 25335 -> 3   5 253356 -> 4
6 5335 -> 4   6 53356 -> 3   6 533562 -> 5
```

F3

665235 -> 5

```
1 66 -> 1   1 665 -> 5
2 65 -> 3   2 652 -> 5
3 52 -> 3   3 523 -> 1
4 23 -> 4   4 235 -> 1
5 35 -> 2   5 356 -> 5
6 56 -> 2   6 566 -> 5

1 6652 -> 3   1 66523 -> 1   1 665235 -> 5
2 6523 -> 6   2 65235 -> 3   2 652356 -> 4
3 5235 -> 5   3 52356 -> 2   3 523566 -> 5
4 2356 -> 6   4 23566 -> 1   4 235665 -> 5
5 3566 -> 2   5 35665 -> 6   5 356652 -> 4
6 5665 -> 4   6 56652 -> 6   6 566523 -> 5
```

F4

224634 -> 4

```
1 22 -> 1   1 224 -> 4
2 24 -> 3   2 246 -> 4
3 46 -> 3   3 462 -> 1
4 63 -> 5   4 634 -> 1
5 34 -> 6   5 342 -> 4
6 42 -> 6   6 422 -> 4

1 2246 -> 3   1 22463 -> 1   1 224634 -> 4
2 2463 -> 2   2 24634 -> 3   2 246342 -> 5
3 4634 -> 4   3 46342 -> 6   3 463422 -> 4
4 6342 -> 2   4 63422 -> 1   4 634224 -> 4
5 3422 -> 6   5 34224 -> 2   5 342246 -> 5
6 4224 -> 5   6 42246 -> 2   6 422463 -> 4
```

F5

334264 -> 4

```
1 33 -> 1   1 334 -> 4
2 34 -> 6   2 342 -> 4
3 42 -> 6   3 426 -> 1
4 26 -> 5   4 264 -> 1
5 64 -> 2   5 643 -> 4
6 43 -> 2   6 433 -> 4

1 3342 -> 6   1 33426 -> 1   1 334264 -> 4
2 3426 -> 3   2 34264 -> 6   2 342643 -> 5
3 4264 -> 4   3 42643 -> 3   3 426433 -> 4
4 2643 -> 3   4 26433 -> 1   4 264334 -> 4
5 6433 -> 2   5 64334 -> 3   5 643342 -> 5
6 4334 -> 5   6 43342 -> 3   6 433426 -> 4
```

F6

664324 -> 4

```
1 66 -> 1   1 664 -> 4
2 64 -> 2   2 643 -> 4
3 43 -> 2   3 432 -> 1
4 32 -> 5   4 324 -> 1
5 24 -> 3   5 246 -> 4
6 46 -> 3   6 466 -> 4

1 6643 -> 2   1 66432 -> 1   1 664324 -> 4
2 6432 -> 6   2 64324 -> 2   2 643246 -> 5
3 4324 -> 4   3 43246 -> 3   3 432466 -> 4
4 3246 -> 6   4 32466 -> 1   4 324664 -> 4
5 2466 -> 3   5 24664 -> 6   5 246643 -> 5
6 4664 -> 5   6 46643 -> 6   6 466432 -> 4
```

```
                 c1                    1 22 -> 1   1 224 -> 4
   3  2  4     1                       2 24 -> 3   2 243 -> 1
               1                       3 43 -> 2   3 433 -> 4
   2  3  4                             4 33 -> 1   4 334 -> 4
                                       5 34 -> 6   5 342 -> 4
     •  •                              6 42 -> 6   6 422 -> 4
   224334 -> 5

1 2243 -> 2  1 22433 -> 4  1 224334 -> 5
2 2433 -> 3  2 24334 -> 6  2 243342 -> 4
3 4334 -> 5  3 43342 -> 3  3 433422 -> 4
4 3342 -> 6  4 33422 -> 4  4 334224 -> 5
5 3422 -> 6  5 34224 -> 2  5 342243 -> 4
6 4224 -> 5  6 42243 -> 6  6 422433 -> 5
```
```
                 c2                    1 33 -> 1   1 334 -> 5
   6  3  4     1                       2 34 -> 6   2 346 -> 1
               1                       3 46 -> 3   3 466 -> 4
   3  6  4                             4 66 -> 1   4 664 -> 4
                                       5 64 -> 2   5 643 -> 4
     •  •                              6 43 -> 2   6 433 -> 4
   334664 -> 5

1 3346 -> 3  1 33466 -> 4  1 334664 -> 5
2 3466 -> 6  2 34664 -> 2  2 346643 -> 4
3 4664 -> 5  3 46643 -> 6  3 466433 -> 5
4 6643 -> 2  4 66433 -> 4  4 664334 -> 5
5 6433 -> 2  5 64334 -> 3  5 643346 -> 4
6 4334 -> 5  6 43346 -> 2  6 433466 -> 5
```
```
                 c3                    1 66 -> 1   1 664 -> 4
   2  6  4     1                       2 64 -> 2   2 642 -> 1
               1                       3 42 -> 6   3 422 -> 4
   6  2  4                             4 22 -> 1   4 224 -> 4
                                       5 24 -> 3   5 246 -> 4
     •  •                              6 46 -> 3   6 466 -> 4
   664224 -> 5

1 6642 -> 6  1 66422 -> 4  1 664224 -> 5
2 6422 -> 2  2 64224 -> 3  2 642246 -> 4
3 4224 -> 5  3 42246 -> 2  3 422466 -> 4
4 2246 -> 3  4 22466 -> 4  4 224664 -> 5
5 2466 -> 3  5 24664 -> 6  5 246642 -> 4
6 4664 -> 5  6 46642 -> 3  6 466422 -> 4
```
```
                 c4                    1 22 -> 1   1 225 -> 5
   6  3  5     1                       2 25 -> 6   2 256 -> 1
               1                       3 56 -> 2   3 566 -> 5
   2  6  5                             4 66 -> 1   4 665 -> 5
                                       5 65 -> 3   5 652 -> 5
     •  •                              6 52 -> 3   6 522 -> 5
   225665 -> 4

1 2256 -> 2  1 22566 -> 5  1 225665 -> 4
2 2566 -> 6  2 25665 -> 3  2 256652 -> 5
3 5665 -> 4  3 56652 -> 6  3 566522 -> 4
4 6652 -> 3  4 66522 -> 5  4 665225 -> 4
5 6522 -> 3  5 65225 -> 2  5 652256 -> 5
6 5225 -> 4  6 52256 -> 3  6 522566 -> 4
```
```
                 c5                    1 33 -> 1   1 335 -> 5
   2  3  5     1                       2 35 -> 2   2 352 -> 1
               1                       3 52 -> 3   3 522 -> 5
   3  2  5                             4 22 -> 1   4 225 -> 5
                                       5 25 -> 6   5 253 -> 5
     •  •                              6 53 -> 6   6 533 -> 5
   335225 -> 4

1 3352 -> 3  1 33522 -> 5  1 335225 -> 4
2 3522 -> 2  2 35225 -> 6  2 352253 -> 5
3 5225 -> 4  3 52253 -> 2  3 522533 -> 4
4 2253 -> 6  4 22533 -> 5  4 225335 -> 4
5 2533 -> 6  5 25335 -> 3  5 253352 -> 5
6 5335 -> 4  6 53352 -> 6  6 533522 -> 4
```
```
                 c6                    1 66 -> 1   1 665 -> 5
   3  6  5     1                       2 65 -> 3   2 653 -> 1
               1                       3 53 -> 6   3 566 -> 5
   6  3  5                             4 33 -> 1   4 335 -> 5
                                       5 35 -> 2   5 356 -> 5
     •  •                              6 56 -> 2   6 566 -> 5
   665335 -> 4

1 6653 -> 6  1 66533 -> 5  1 665335 -> 4
2 6533 -> 3  2 65335 -> 2  2 653356 -> 5
3 5335 -> 4  3 53356 -> 3  3 533566 -> 4
4 3356 -> 2  4 33566 -> 5  4 335665 -> 4
5 3566 -> 2  5 35665 -> 6  5 356653 -> 4
6 5665 -> 4  6 56653 -> 2  6 566533 -> 4
```
```
                 D1                    1 23 -> 4   1 235 -> 5
   6  3  4     2                       2 35 -> 2   2 356 -> 5
               2                       3 56 -> 2   3 566 -> 5
   2  6  4                             4 66 -> 1   4 665 -> 5
                                       5 65 -> 3   5 652 -> 1
     ▬►   •                            6 52 -> 3   6 523 -> 1
   235665 -> 5

1 2356 -> 6  1 23566 -> 1  1 235665 -> 5
2 3566 -> 2  2 35665 -> 6  2 356652 -> 4
3 5665 -> 4  3 56652 -> 3  3 566523 -> 5
4 6652 -> 3  4 66523 -> 1  4 665235 -> 5
5 6523 -> 6  5 65235 -> 3  5 652356 -> 4
6 5235 -> 5  6 52356 -> 2  6 523566 -> 4
```
```
                 D2                    1 36 -> 4   1 365 -> 1
   2  3  5     2                       2 65 -> 3   2 652 -> 5
               2                       3 52 -> 3   3 522 -> 5
   3  2  5                             4 22 -> 1   4 225 -> 5
                                       5 25 -> 6   5 253 -> 5
     ▬►   •                            6 53 -> 6   6 536 -> 1
   365225 -> 5

1 3652 -> 2  1 36522 -> 1  1 365225 -> 5
2 6522 -> 3  2 65225 -> 2  2 652253 -> 4
3 5225 -> 4  3 52253 -> 2  3 522536 -> 5
4 2253 -> 6  4 22536 -> 1  4 225365 -> 5
5 2536 -> 3  5 25365 -> 6  5 253652 -> 4
6 5365 -> 5  6 53652 -> 3  6 536522 -> 5
```
```
                 D3                    1 62 -> 4   1 625 -> 1
   3  2  5     2                       2 25 -> 6   2 253 -> 5
                                       3 53 -> 6   3 533 -> 5
   6  3  5                             4 33 -> 1   4 335 -> 5
                                       5 35 -> 2   5 356 -> 5
     ▬►   •                            6 56 -> 2   6 562 -> 1
   625335 -> 5

1 6253 -> 3  1 62533 -> 1  1 625335 -> 5
2 2533 -> 6  2 25335 -> 3  2 253356 -> 4
3 5335 -> 4  3 53356 -> 3  3 533562 -> 5
4 3356 -> 2  4 33562 -> 1  4 335625 -> 5
5 3562 -> 3  5 35625 -> 2  5 356253 -> 4
6 5625 -> 5  6 56253 -> 6  6 562533 -> 5
```
```
                 D4                    1 26 -> 5   1 264 -> 1
   3  6  4     2                       2 64 -> 2   2 643 -> 4
               2                       3 43 -> 2   3 433 -> 4
   2  6  4                             4 33 -> 1   4 334 -> 4
                                       5 34 -> 6   5 342 -> 4
     ◄▬   •                            6 42 -> 6   6 426 -> 1
   264334 -> 4

1 2643 -> 3  1 26433 -> 1  1 264334 -> 4
2 6433 -> 2  2 64334 -> 3  2 643342 -> 5
3 4334 -> 5  3 43342 -> 3  3 433426 -> 4
4 3342 -> 6  4 33426 -> 1  4 334264 -> 4
5 3426 -> 3  5 34264 -> 6  5 342643 -> 5
6 4264 -> 4  6 42643 -> 2  6 426433 -> 4
```
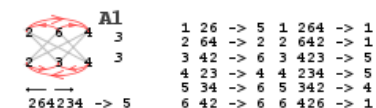```
                 D5   1 32 -> 5   1 324 -> 1
   6 2 4   2   2 24 -> 3   2 246 -> 4
               2   3 46 -> 3   3 466 -> 4
   3 6 4   4 66 -> 1   4 664 -> 4
                                       5 64 -> 2   5 643 -> 4
     ◄▬   •   6 43 -> 2   6 432 -> 1
   324664 -> 4

1 3246 -> 6 1 32466 -> 1 1 324664 -> 4
2 2466 -> 3 2 24664 -> 6 2 246643 -> 5
3 4664 -> 5 3 46643 -> 6 3 466432 -> 4
4 6643 -> 2 4 66432 -> 1 4 664324 -> 4
5 6432 -> 6 5 64324 -> 2 5 643246 -> 5
6 4324 -> 4 6 43246 -> 3 6 432466 -> 4
```
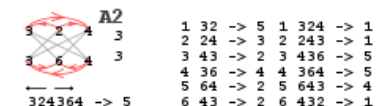```
                 D6                    1 63 -> 5   1 634 -> 1
   2  3  4     2                       2 34 -> 6   2 342 -> 4
               2                       3 42 -> 6   3 422 -> 4
   6  2  4                             4 22 -> 1   4 224 -> 4
                                       5 24 -> 3   5 246 -> 4
     ◄▬   •                            6 46 -> 2   6 463 -> 1
   634224 -> 4

1 6342 -> 2  1 63422 -> 1  1 634224 -> 4
2 3422 -> 6  2 34224 -> 2  2 342246 -> 5
3 4224 -> 5  3 42246 -> 2  3 422463 -> 4
4 2246 -> 3  4 22463 -> 1  4 224634 -> 4
5 2463 -> 2  5 24634 -> 3  5 246342 -> 5
6 4634 -> 4  6 46342 -> 6  6 463422 -> 4
```
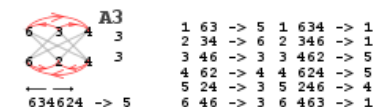
A1

```
2 6 4   3
2 3 4   3
      264234 -> 5
```

```
1 26 -> 5    1 264 -> 1
2 64 -> 2    2 642 -> 1
3 42 -> 6    3 423 -> 5
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 342 -> 4
6 42 -> 6    6 426 -> 1
```
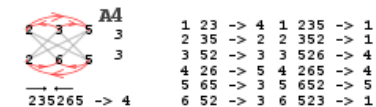
```
1 2642 -> 2   1 26423 -> 4   1 264234 -> 5
2 6423 -> 3   2 64234 -> 6   2 642342 -> 4
3 4234 -> 1   3 42342 -> 2   3 423426 -> 5
4 2342 -> 3   4 23426 -> 4   4 234264 -> 5
5 3426 -> 3   5 34264 -> 6   5 342642 -> 4
6 4264 -> 4   6 42642 -> 6   6 426423 -> 5
```

A5

```
3       3
3       3
      365325 -> 4
```

```
1 36 -> 4    1 365 -> 1
2 65 -> 3    2 653 -> 1
3 53 -> 6    3 532 -> 4
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 253 -> 5
6 53 -> 6    6 536 -> 1
```

```
1 3653 -> 3   1 36532 -> 5   1 365325 -> 4
2 6532 -> 2   2 65325 -> 6   2 653253 -> 5
3 5325 -> 1   3 53253 -> 3   3 532536 -> 4
4 3253 -> 2   4 32536 -> 5   4 325365 -> 4
5 2536 -> 2   5 25365 -> 6   5 253653 -> 5
6 5365 -> 6   6 53653 -> 6   6 536532 -> 4
```

B3

```
2 4     3
3       3
      624324 -> 5
```

```
1 62 -> 4    1 624 -> 5
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 246 -> 4
6 46 -> 3    6 462 -> 5
```

```
1 6243 -> 6   1 62432 -> 4   1 624324 -> 5
2 2432 -> 2   2 24324 -> 3   2 243246 -> 4
3 4324 -> 4   3 43246 -> 3   3 432462 -> 5
4 3246 -> 6   4 32462 -> 4   4 324624 -> 5
5 2462 -> 6   5 24624 -> 2   5 246243 -> 4
6 4624 -> 1   6 46243 -> 3   6 462432 -> 5
```

A2

```
5 2 4   3
5 6 4   3
      324364 -> 5
```

```
1 32 -> 5    1 324 -> 1
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 436 -> 5
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 643 -> 4
6 43 -> 2    6 432 -> 1
```
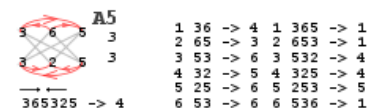
```
1 3243 -> 3   1 32436 -> 4   1 324364 -> 5
2 2436 -> 6   2 24364 -> 2   2 243643 -> 4
3 4364 -> 1   3 43643 -> 3   3 436432 -> 5
4 3643 -> 6   4 36432 -> 4   4 364324 -> 5
5 6432 -> 6   5 64324 -> 2   5 643243 -> 4
6 4324 -> 4   6 43243 -> 2   6 432436 -> 5
```

A6

```
6 2 5   3
6 3 5   3
      625635 -> 4
```

```
1 62 -> 4    1 625 -> 1
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 563 -> 4
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 356 -> 5
6 56 -> 2    6 562 -> 1
```

```
1 6256 -> 6   1 62563 -> 5   1 625635 -> 4
2 2563 -> 3   2 25635 -> 2   2 256356 -> 5
3 5635 -> 1   3 56356 -> 6   3 563562 -> 4
4 6356 -> 3   4 63562 -> 5   4 635625 -> 4
5 3562 -> 2   5 35625 -> 2   5 356256 -> 5
6 5625 -> 5   6 56256 -> 2   6 562563 -> 4
```

A3

```
6 3 4   3
6 2 4   3
      634624 -> 5
```

```
1 63 -> 5    1 634 -> 1
2 34 -> 6    2 346 -> 1
3 46 -> 3    3 462 -> 5
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 246 -> 4
6 46 -> 3    6 463 -> 1
```
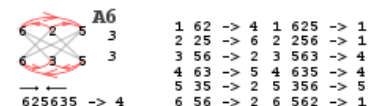
```
1 6346 -> 6   1 63462 -> 4   1 634624 -> 5
2 3462 -> 2   2 34624 -> 3   2 346246 -> 4
3 4624 -> 1   3 46246 -> 6   3 462463 -> 5
4 6246 -> 2   4 62463 -> 4   4 624634 -> 5
5 2463 -> 2   5 24634 -> 3   5 246346 -> 4
6 4634 -> 4   6 46346 -> 3   6 463462 -> 5
```

B1

```
6 3 4   3
2 3 4   3
      234634 -> 5
```

```
1 23 -> 4    1 234 -> 5
2 34 -> 6    2 346 -> 1
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 342 -> 4
6 42 -> 6    6 423 -> 5
```

```
1 2346 -> 2   1 23463 -> 4   1 234634 -> 5
2 3463 -> 3   2 34634 -> 6   2 346342 -> 4
3 4634 -> 4   3 46342 -> 6   3 463423 -> 5
4 6342 -> 4   4 63423 -> 4   4 634234 -> 5
5 3423 -> 2   5 34234 -> 3   5 342346 -> 4
6 4234 -> 1   6 42346 -> 6   6 423463 -> 5
```

B5

```
6 2 5   3
3 5     3
      325625 -> 4
```

```
1 32 -> 5    1 325 -> 1
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 253 -> 5
6 53 -> 6    6 532 -> 4
```

```
1 3256 -> 3   1 32562 -> 5   1 325625 -> 4
2 2562 -> 2   2 25625 -> 6   2 256253 -> 5
3 5625 -> 3   3 56253 -> 6   3 562532 -> 4
4 6253 -> 3   4 62532 -> 5   4 625325 -> 4
5 2532 -> 3   5 25325 -> 2   5 253256 -> 5
6 5325 -> 1   6 53256 -> 6   6 532562 -> 4
```

A4

```
2 3 5   3
2 6 5   3
      235265 -> 4
```

```
1 23 -> 4    1 235 -> 1
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 526 -> 4
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 652 -> 5
6 52 -> 3    6 523 -> 1
```
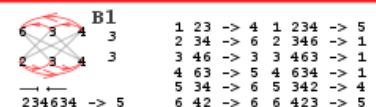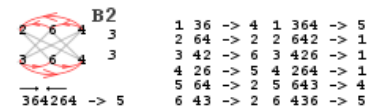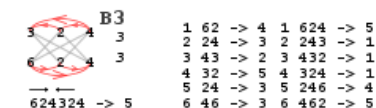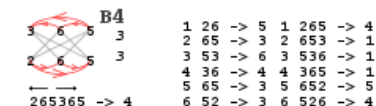
```
1 2352 -> 2   1 23526 -> 5   1 235265 -> 4
2 3526 -> 6   2 35265 -> 3   2 352652 -> 5
3 5265 -> 1   3 52652 -> 2   3 526523 -> 4
4 2652 -> 6   4 26523 -> 5   4 265235 -> 4
5 6523 -> 6   5 65235 -> 3   5 652352 -> 5
6 5235 -> 5   6 52352 -> 3   6 523526 -> 4
```

B2

```
2 6 4   3
3 6 4   3
      364264 -> 5
```

```
1 36 -> 4    1 364 -> 5
2 64 -> 2    2 642 -> 1
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 643 -> 4
6 43 -> 2    6 436 -> 5
```
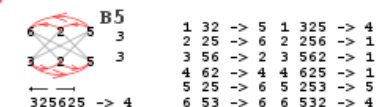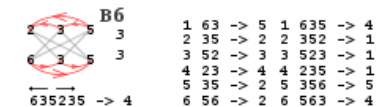
```
1 3642 -> 3   1 36426 -> 4   1 364264 -> 5
2 6426 -> 6   2 64264 -> 2   2 642643 -> 4
3 4264 -> 4   3 42643 -> 2   3 426436 -> 4
4 2643 -> 3   4 26436 -> 4   4 264364 -> 5
5 6436 -> 3   5 64364 -> 6   5 643642 -> 4
6 4364 -> 1   6 43642 -> 2   6 436426 -> 5
```

B4

```
3 6 5   3
2 6 5   3
      265365 -> 4
```

```
1 26 -> 5    1 265 -> 4
2 65 -> 3    2 653 -> 1
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 365 -> 1
5 65 -> 3    5 652 -> 5
6 52 -> 3    6 526 -> 4
```
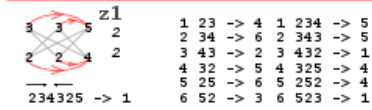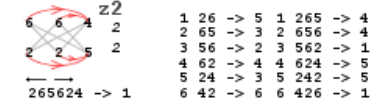
```
1 2653 -> 2   1 26536 -> 5   1 265365 -> 4
2 6536 -> 6   2 65365 -> 3   2 653652 -> 5
3 5365 -> 5   3 53652 -> 3   3 536526 -> 4
4 3652 -> 2   4 36526 -> 5   4 365265 -> 4
5 6526 -> 2   5 65265 -> 6   5 652653 -> 5
6 5265 -> 1   6 52653 -> 2   6 526536 -> 4
```

B6

```
2 3 5   3
2 3 5   3
      635235 -> 4
```

```
1 63 -> 5    1 635 -> 4
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 356 -> 5
6 56 -> 2    6 563 -> 4
```
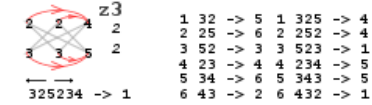
```
1 6352 -> 6   1 63523 -> 5   1 635235 -> 4
2 3523 -> 3   2 35235 -> 2   2 352356 -> 5
3 5235 -> 5   3 52356 -> 2   3 523563 -> 4
4 2356 -> 6   4 23563 -> 5   4 235635 -> 4
5 3563 -> 6   5 35635 -> 3   5 356352 -> 5
6 5635 -> 1   6 56352 -> 2   6 563523 -> 4
```

z1

```
3   3   5         z1
                   2
2   2   4          2

234325 -> 1

1 23 -> 4    1 234 -> 5
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 523 -> 1

1 2343 -> 6   1 23432 -> 4   1 234325 -> 1
2 3432 -> 3   2 34325 -> 2   2 343252 -> 1
3 4325 -> 5   3 43252 -> 3   3 432523 -> 1
4 3252 -> 6   4 32523 -> 5   4 325234 -> 1
5 2523 -> 2   5 25234 -> 3   5 252343 -> 1
6 5234 -> 4   6 52343 -> 2   6 523432 -> 1
```
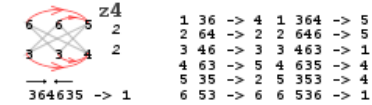
z2

```
6   6   5         z2
                   2
2   2   5          2

265624 -> 1

1 26 -> 5    1 265 -> 4
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 426 -> 1

1 2656 -> 3   1 26562 -> 5   1 265624 -> 1
2 6562 -> 6   2 65624 -> 2   2 656242 -> 1
3 5624 -> 4   3 56242 -> 6   3 562426 -> 1
4 6242 -> 3   4 62426 -> 4   4 624265 -> 1
5 2426 -> 2   5 24265 -> 6   5 242656 -> 1
6 4265 -> 5   6 42656 -> 2   6 426562 -> 1
```
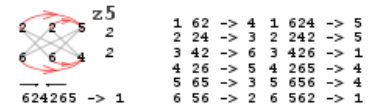
z3

```
2   2   4         z3
                   2
3   3   5          2

325234 -> 1

1 32 -> 5    1 325 -> 4
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 432 -> 1

1 3252 -> 6   1 32523 -> 5   1 325234 -> 1
2 2523 -> 2   2 25234 -> 3   2 252343 -> 1
3 5234 -> 4   3 52343 -> 2   3 523432 -> 1
4 2343 -> 6   4 23432 -> 4   4 234325 -> 1
5 3432 -> 3   5 34325 -> 2   5 343252 -> 1
6 4325 -> 5   6 43252 -> 3   6 432523 -> 1
```
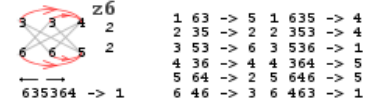
z4

```
6   6   5         z4
                   2
3   3   4          2

364635 -> 1

1 36 -> 4    1 364 -> 5
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 536 -> 1

1 3646 -> 2   1 36463 -> 4   1 364635 -> 1
2 6463 -> 6   2 64635 -> 3   2 646353 -> 1
3 4635 -> 5   3 46353 -> 6   3 463536 -> 1
4 6353 -> 2   4 63536 -> 5   4 635364 -> 1
5 3536 -> 3   5 35364 -> 6   5 353646 -> 1
6 5364 -> 4   6 53646 -> 3   6 536463 -> 1
```
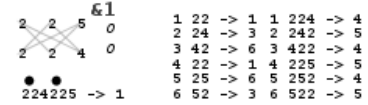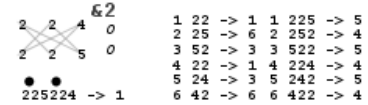
z5

```
2   2   5         z5
                   2
6   6   4          2

624265 -> 1

1 62 -> 4    1 624 -> 5
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 562 -> 1

1 6242 -> 3   1 62426 -> 4   1 624265 -> 1
2 2426 -> 2   2 24265 -> 6   2 242656 -> 1
3 4265 -> 5   3 42656 -> 2   3 426562 -> 1
4 2656 -> 3   4 26562 -> 5   4 265624 -> 1
5 6562 -> 6   5 65624 -> 2   5 656242 -> 1
6 5624 -> 4   6 56242 -> 6   6 562426 -> 1
```

z6

```
2   2   4         z6
                   2
6   6   5          2

635364 -> 1

1 63 -> 5    1 635 -> 4
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 463 -> 1

1 6353 -> 2   1 63536 -> 5   1 635364 -> 1
2 3536 -> 3   2 35364 -> 6   2 353646 -> 1
3 5364 -> 4   3 53646 -> 3   3 536463 -> 1
4 3646 -> 2   4 36463 -> 4   4 364635 -> 1
5 6463 -> 6   5 64635 -> 3   5 646353 -> 1
6 4635 -> 5   6 46353 -> 6   6 463536 -> 1
```
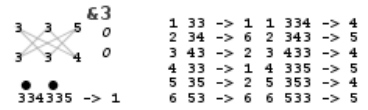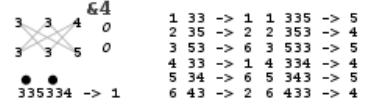
&1

```
2   2   4         &1
                   0
2   2   4          0
•   •

224225 -> 1

1 22 -> 1    1 224 -> 4
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 522 -> 5

1 2242 -> 6   1 22422 -> 4   1 224225 -> 1
2 2422 -> 3   2 24225 -> 2   2 242252 -> 1
3 4225 -> 1   3 42252 -> 3   3 422522 -> 1
4 2252 -> 4   4 22522 -> 5   4 225224 -> 1
5 2522 -> 6   5 25224 -> 2   5 252242 -> 1
6 5224 -> 1   6 52242 -> 2   6 522422 -> 1
```

&2

```
2   2   4         &2
                   0
2   2   5          0
•   •

225224 -> 1

1 22 -> 1    1 225 -> 5
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 422 -> 4

1 2252 -> 3   1 22522 -> 5   1 225224 -> 1
2 2522 -> 6   2 25224 -> 2   2 252242 -> 1
3 5224 -> 1   3 52242 -> 2   3 522422 -> 1
4 2242 -> 6   4 22422 -> 4   4 224225 -> 1
5 2422 -> 3   5 24225 -> 2   5 242252 -> 1
6 4225 -> 1   6 42252 -> 2   6 422522 -> 1
```
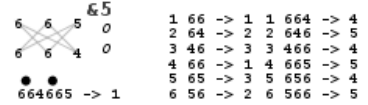
&3

```
3   3   5         &3
                   0
3   3   4          0
•   •

334335 -> 1

1 33 -> 1    1 334 -> 4
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 533 -> 5

1 3343 -> 2   1 33433 -> 4   1 334335 -> 1
2 3433 -> 6   2 34335 -> 3   2 343353 -> 1
3 4335 -> 1   3 43353 -> 3   3 433533 -> 1
4 3353 -> 6   4 33533 -> 5   4 335334 -> 1
5 3533 -> 2   5 35334 -> 3   5 353343 -> 1
6 5334 -> 1   6 53343 -> 3   6 533433 -> 1
```
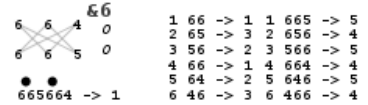
&4

```
3   3   4         &4
                   0
3   3   5          0
•   •

335334 -> 1

1 33 -> 1    1 335 -> 5
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 433 -> 4

1 3353 -> 6   1 33533 -> 5   1 335334 -> 1
2 3533 -> 2   2 35334 -> 3   2 353343 -> 1
3 5334 -> 1   3 53343 -> 3   3 533433 -> 1
4 3343 -> 2   4 33433 -> 4   4 334335 -> 1
5 3433 -> 6   5 34335 -> 3   5 343353 -> 1
6 4335 -> 1   6 43353 -> 3   6 433533 -> 1
```

&5

```
6   6   5         &5
                   0
6   6   4          0
•   •

664665 -> 1

1 66 -> 1    1 664 -> 4
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 566 -> 5

1 6646 -> 3   1 66466 -> 4   1 664665 -> 1
2 6466 -> 1   2 64665 -> 1   2 646656 -> 1
3 4665 -> 1   3 46656 -> 3   3 466566 -> 1
4 6656 -> 1   4 66566 -> 5   4 665664 -> 1
5 6566 -> 3   5 65664 -> 6   5 656646 -> 1
6 5664 -> 1   6 56646 -> 6   6 566466 -> 1
```

&6

```
6   6   5         &6
                   0
6   6   5          0
•   •

665664 -> 1

1 66 -> 1    1 665 -> 5
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 466 -> 4

1 6656 -> 2   1 66566 -> 5   1 665664 -> 1
2 6566 -> 3   2 65664 -> 6   2 656646 -> 1
3 5664 -> 1   3 56646 -> 6   3 566466 -> 1
4 6646 -> 3   4 66466 -> 4   4 664665 -> 1
5 6466 -> 2   5 64665 -> 6   5 646656 -> 1
6 4665 -> 1   6 46656 -> 6   6 466566 -> 1
```

x1

```
1 22 -> 1   1 225 -> 5
2 25 -> 6   2 253 -> 5
3 53 -> 6   3 532 -> 4
4 32 -> 5   4 324 -> 1
5 24 -> 3   5 242 -> 5
6 42 -> 6   6 422 -> 4
225324 -> 5

1 2253 -> 6   1 22532 -> 4   1 225324 -> 5
2 2532 -> 3   2 25324 -> 6   2 253242 -> 4
3 5324 -> 5   3 53242 -> 3   3 532422 -> 5
4 3242 -> 2   4 32422 -> 1   4 324225 -> 5
5 2422 -> 3   5 24225 -> 2   5 242253 -> 4
6 4225 -> 1   6 42253 -> 3   6 422532 -> 5
```

x5

```
1 33 -> 1   1 334 -> 4
2 34 -> 6   2 342 -> 4
3 42 -> 6   3 423 -> 5
4 23 -> 4   4 235 -> 1
5 35 -> 2   5 353 -> 4
6 53 -> 6   6 533 -> 5
334235 -> 4

1 3342 -> 6   1 33423 -> 5   1 334235 -> 4
2 3423 -> 2   2 34235 -> 6   2 342353 -> 4
3 4235 -> 4   3 42353 -> 2   3 423533 -> 4
4 2353 -> 3   4 23533 -> 1   4 235334 -> 5
5 3533 -> 2   5 35334 -> 3   5 353342 -> 5
6 5334 -> 1   6 53342 -> 2   6 533423 -> 4
```

y3

```
1 32 -> 5   1 324 -> 1
2 24 -> 3   2 242 -> 5
3 42 -> 6   3 423 -> 5
4 23 -> 4   4 235 -> 1
5 35 -> 2   5 353 -> 4
6 53 -> 6   6 532 -> 4
324235 -> 1

1 3242 -> 2   1 32423 -> 4   1 324235 -> 1
2 2423 -> 6   2 24235 -> 3   2 242353 -> 1
3 4235 -> 4   3 42353 -> 2   3 423532 -> 1
4 2353 -> 3   4 23532 -> 5   4 235324 -> 1
5 3532 -> 6   5 35324 -> 2   5 353242 -> 1
6 5324 -> 5   6 53242 -> 3   6 532423 -> 1
```

x2

```
1 33 -> 1   1 335 -> 5
2 35 -> 2   2 356 -> 4
3 56 -> 2   3 563 -> 4
4 63 -> 5   4 634 -> 1
5 34 -> 6   5 343 -> 5
6 43 -> 2   6 433 -> 4
335634 -> 5

1 3356 -> 2   1 33563 -> 4   1 335634 -> 5
2 3563 -> 6   2 35634 -> 2   2 356343 -> 4
3 5634 -> 5   3 56343 -> 6   3 563433 -> 4
4 6343 -> 3   4 63433 -> 1   4 634335 -> 5
5 3433 -> 6   5 34335 -> 3   5 343356 -> 5
6 4335 -> 1   6 43356 -> 6   6 433563 -> 5
```

x6

```
1 66 -> 1   1 664 -> 4
2 64 -> 2   2 643 -> 5
3 43 -> 2   3 436 -> 5
4 36 -> 4   4 365 -> 1
5 65 -> 3   5 656 -> 4
6 56 -> 2   6 566 -> 5
664365 -> 4

1 6643 -> 2   1 66436 -> 5   1 664365 -> 4
2 6436 -> 3   2 64365 -> 2   2 643656 -> 5
3 4365 -> 4   3 43656 -> 3   3 436566 -> 4
4 3656 -> 6   4 36566 -> 1   4 365664 -> 4
5 6566 -> 3   5 65664 -> 6   5 656643 -> 5
6 5664 -> 1   6 56643 -> 3   6 566436 -> 4
```

y4

```
1 36 -> 4   1 365 -> 1
2 65 -> 3   2 656 -> 4
3 56 -> 2   3 563 -> 4
4 63 -> 5   4 634 -> 1
5 34 -> 6   5 343 -> 5
6 43 -> 2   6 436 -> 5
365634 -> 1

1 3656 -> 6   1 36563 -> 5   1 365634 -> 1
2 6563 -> 2   2 65634 -> 3   2 656343 -> 1
3 5634 -> 5   3 56343 -> 6   3 563436 -> 1
4 6343 -> 3   4 63436 -> 4   4 634365 -> 1
5 3436 -> 2   5 34365 -> 6   5 343656 -> 1
6 4365 -> 4   6 43656 -> 3   6 436563 -> 1
```

x3

```
1 66 -> 1   1 665 -> 5
2 65 -> 3   2 652 -> 5
3 52 -> 3   3 526 -> 4
4 26 -> 5   4 264 -> 1
5 64 -> 2   5 646 -> 5
6 46 -> 6   6 466 -> 4
665264 -> 5

1 6652 -> 3   1 66526 -> 4   1 665264 -> 5
2 6526 -> 2   2 65264 -> 3   2 652646 -> 4
3 5264 -> 5   3 52646 -> 2   3 526466 -> 5
4 2646 -> 6   4 26466 -> 1   4 264665 -> 5
5 6466 -> 2   5 64665 -> 6   5 646652 -> 4
6 4665 -> 1   6 46652 -> 2   6 466526 -> 5
```

y1

```
1 23 -> 4   1 235 -> 1
2 35 -> 2   2 353 -> 4
3 53 -> 6   3 532 -> 4
4 32 -> 5   4 324 -> 1
5 24 -> 3   5 242 -> 5
6 42 -> 6   6 423 -> 5
235324 -> 1

1 2353 -> 3   1 23532 -> 5   1 235324 -> 1
2 3532 -> 6   2 35324 -> 2   2 353242 -> 1
3 5324 -> 5   3 53242 -> 3   3 532423 -> 1
4 3242 -> 2   4 32423 -> 4   4 324235 -> 1
5 2423 -> 3   5 24235 -> 3   5 242353 -> 1
6 4235 -> 4   6 42353 -> 2   6 423532 -> 1
```
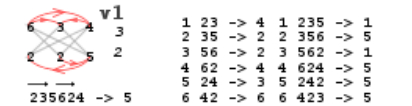
y5

```
1 62 -> 4   1 625 -> 1
2 25 -> 6   2 252 -> 4
3 52 -> 3   3 526 -> 4
4 26 -> 5   4 264 -> 1
5 64 -> 2   5 646 -> 5
6 46 -> 6   6 462 -> 5
625264 -> 1

1 6252 -> 2   1 62526 -> 5   1 625264 -> 1
2 2526 -> 3   2 25264 -> 6   2 252646 -> 1
3 5264 -> 5   3 52646 -> 2   3 526462 -> 1
4 2646 -> 6   4 26462 -> 4   4 264625 -> 1
5 6462 -> 3   5 64625 -> 2   5 646252 -> 1
6 4625 -> 4   6 46252 -> 6   6 462526 -> 1
```
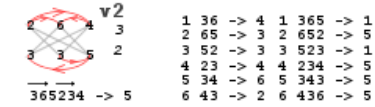
x4

```
1 22 -> 1   1 224 -> 4
2 24 -> 3   2 246 -> 4
3 46 -> 3   3 462 -> 5
4 62 -> 4   4 625 -> 1
5 25 -> 6   5 252 -> 4
6 52 -> 3   6 522 -> 5
224625 -> 4

1 2246 -> 3   1 22462 -> 5   1 224625 -> 4
2 2462 -> 6   2 24625 -> 3   2 246252 -> 5
3 4625 -> 4   3 46252 -> 6   3 462522 -> 4
4 6252 -> 2   4 62522 -> 1   4 625224 -> 4
5 2522 -> 6   5 25224 -> 2   5 252246 -> 5
6 5224 -> 1   6 52246 -> 6   6 522462 -> 4
```

y2

```
1 26 -> 5   1 264 -> 1
2 64 -> 2   2 646 -> 5
3 46 -> 3   3 462 -> 5
4 62 -> 4   4 625 -> 1
5 25 -> 6   5 252 -> 4
6 52 -> 3   6 526 -> 4
264625 -> 1

1 2646 -> 6   1 26462 -> 4   1 264625 -> 1
2 6462 -> 3   2 64625 -> 2   2 646252 -> 1
3 4625 -> 4   3 46252 -> 6   3 462526 -> 1
4 6252 -> 2   4 62526 -> 5   4 625264 -> 1
5 2526 -> 3   5 25264 -> 6   5 252646 -> 1
6 5264 -> 5   6 52646 -> 2   6 526462 -> 1
```

y6

```
1 63 -> 5   1 634 -> 1
2 34 -> 6   2 343 -> 5
3 43 -> 2   3 436 -> 5
4 36 -> 4   4 365 -> 1
5 65 -> 3   5 656 -> 4
6 56 -> 2   6 563 -> 4
634365 -> 1

1 6343 -> 3   1 63436 -> 4   1 634365 -> 1
2 3436 -> 2   2 34365 -> 6   2 343656 -> 1
3 4365 -> 4   3 43656 -> 3   3 436563 -> 1
4 3656 -> 6   4 36563 -> 5   4 365634 -> 1
5 6563 -> 2   5 65634 -> 3   5 656343 -> 1
6 5634 -> 5   6 56343 -> 6   6 563436 -> 1
```
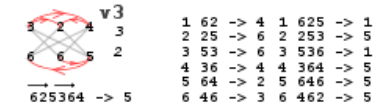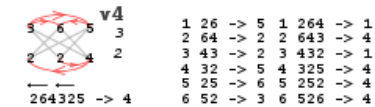
v1

```
235624 -> 5

1 23 -> 4    1 235 -> 1
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 423 -> 5

1 2356 -> 6   1 23562 -> 4   1 235624 -> 5
2 3562 -> 3   2 35624 -> 6   2 356242 -> 4
3 5624 -> 4   3 56242 -> 6   3 562423 -> 4
4 6242 -> 3   4 62423 -> 1   4 624235 -> 5
5 2423 -> 6   5 24235 -> 3   5 242356 -> 4
6 4235 -> 4   6 42356 -> 3   6 423562 -> 5
```

v2

```
365234 -> 5

1 36 -> 4    1 365 -> 1
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 436 -> 5

1 3652 -> 2   1 36523 -> 4   1 365234 -> 5
2 6523 -> 6   2 65234 -> 2   2 652343 -> 4
3 5234 -> 4   3 52343 -> 2   3 523436 -> 5
4 2343 -> 6   4 23436 -> 1   4 234365 -> 5
5 3436 -> 2   5 34365 -> 6   5 343652 -> 4
6 4365 -> 4   6 43652 -> 6   6 436523 -> 4
```
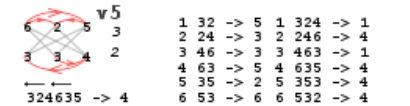
v3

```
625364 -> 5

1 62 -> 4    1 625 -> 1
2 25 -> 6    2 253 -> 5
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 462 -> 5

1 6253 -> 3   1 62536 -> 4   1 625364 -> 5
2 2536 -> 2   2 25364 -> 3   2 253646 -> 4
3 5364 -> 4   3 53646 -> 3   3 536462 -> 5
4 3646 -> 2   4 36462 -> 1   4 364625 -> 5
5 6462 -> 3   5 64625 -> 2   5 646253 -> 4
6 4625 -> 4   6 46253 -> 2   6 462536 -> 5
```
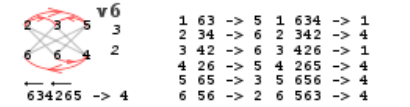
v4

```
264325 -> 4

1 26 -> 5    1 264 -> 1
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 526 -> 4

1 2643 -> 3   1 26432 -> 5   1 264325 -> 4
2 6432 -> 6   2 64325 -> 3   2 643252 -> 5
3 4325 -> 5   3 43252 -> 3   3 432526 -> 4
4 3252 -> 6   4 32526 -> 1   4 325264 -> 4
5 2526 -> 3   5 25264 -> 6   5 252643 -> 4
6 5264 -> 5   6 52643 -> 6   6 526432 -> 4
```
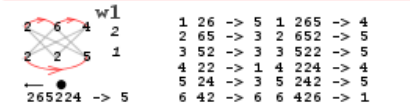
v5

```
324635 -> 4

1 32 -> 5    1 324 -> 1
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 532 -> 4

1 3246 -> 6   1 32463 -> 5   1 324635 -> 4
2 2463 -> 2   2 24635 -> 6   2 246353 -> 5
3 4635 -> 5   3 46353 -> 6   3 463532 -> 4
4 6353 -> 2   4 63532 -> 1   4 635324 -> 4
5 3532 -> 6   5 35324 -> 2   5 353246 -> 5
6 5324 -> 5   6 53246 -> 2   6 532463 -> 4
```
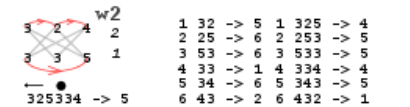
v6

```
634265 -> 4

1 63 -> 5    1 634 -> 1
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 563 -> 4

1 6342 -> 2   1 63426 -> 5   1 634265 -> 4
2 3426 -> 3   2 34265 -> 2   2 342656 -> 5
3 4265 -> 5   3 42656 -> 2   3 426563 -> 4
4 2656 -> 3   4 26563 -> 1   4 265634 -> 4
5 6563 -> 2   5 65634 -> 3   5 656342 -> 4
6 5634 -> 5   6 56342 -> 3   6 563426 -> 4
```
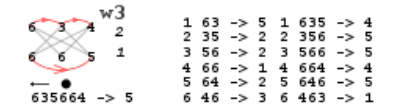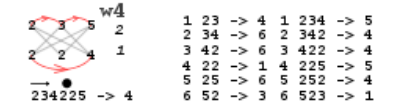
w1

```
265224 -> 5

1 26 -> 5    1 265 -> 4
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 426 -> 1

1 2652 -> 6   1 26522 -> 4   1 265224 -> 5
2 6522 -> 3   2 65224 -> 6   2 652242 -> 5
3 5224 -> 3   3 52242 -> 2   3 522426 -> 5
4 2242 -> 6   4 22426 -> 1   4 224265 -> 5
5 2426 -> 2   5 24265 -> 6   5 242652 -> 4
6 4265 -> 5   6 42652 -> 3   6 426522 -> 5
```
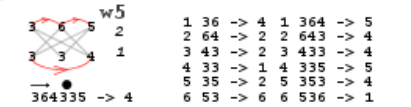
w2

```
325334 -> 5

1 32 -> 5    1 325 -> 4
2 25 -> 6    2 253 -> 5
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 432 -> 1

1 3253 -> 2   1 32533 -> 4   1 325334 -> 5
2 2533 -> 6   2 25334 -> 2   2 253343 -> 4
3 5334 -> 1   3 53343 -> 3   3 533432 -> 4
4 3343 -> 2   4 33432 -> 1   4 334325 -> 5
5 3432 -> 3   5 34325 -> 2   5 343253 -> 4
6 4325 -> 5   6 43253 -> 6   6 432533 -> 5
```

w3

```
635664 -> 5

1 63 -> 5    1 635 -> 4
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 664 -> 5
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 463 -> 1

1 6356 -> 3   1 63566 -> 4   1 635664 -> 5
2 3566 -> 2   2 35664 -> 3   2 356646 -> 4
3 5664 -> 1   3 56646 -> 6   3 566463 -> 5
4 6646 -> 3   4 66463 -> 1   4 664635 -> 5
5 6463 -> 5   5 64635 -> 3   5 646356 -> 4
6 4635 -> 5   6 46356 -> 2   6 463566 -> 5
```
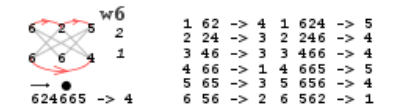
w4

```
234225 -> 4

1 23 -> 4    1 234 -> 5
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 523 -> 1

1 2342 -> 3   1 23422 -> 5   1 234225 -> 4
2 3422 -> 6   2 34225 -> 3   2 342252 -> 5
3 4225 -> 1   3 42252 -> 2   3 422523 -> 4
4 2252 -> 3   4 22523 -> 1   4 225234 -> 4
5 2523 -> 2   5 25234 -> 3   5 252342 -> 5
6 5234 -> 4   6 52342 -> 6   6 523422 -> 4
```
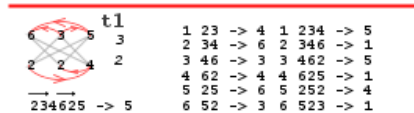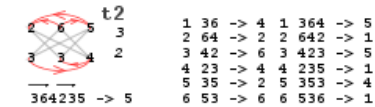
w5

```
364335 -> 4

1 36 -> 4    1 364 -> 4
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 536 -> 1

1 3643 -> 6   1 36433 -> 5   1 364335 -> 4
2 6433 -> 2   2 64335 -> 6   2 643353 -> 4
3 4335 -> 1   3 43353 -> 3   3 433536 -> 4
4 3353 -> 6   4 33536 -> 1   4 335364 -> 4
5 3536 -> 3   5 35364 -> 6   5 353643 -> 5
6 5364 -> 4   6 53643 -> 2   6 536433 -> 4
```

w6

```
624665 -> 4

1 62 -> 4    1 624 -> 5
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 562 -> 1

1 6246 -> 2   1 62466 -> 5   1 624665 -> 4
2 2466 -> 3   2 24665 -> 2   2 246656 -> 5
3 4665 -> 1   3 46656 -> 6   3 466562 -> 4
4 6656 -> 2   4 66562 -> 1   4 665624 -> 4
5 6562 -> 6   5 65624 -> 2   5 656246 -> 5
6 5624 -> 4   6 56246 -> 3   6 562466 -> 4
```
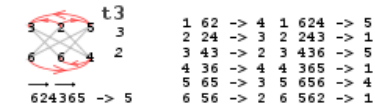
t1

```
1 23 -> 4    1 234 -> 5
2 34 -> 6    2 346 -> 1
3 46 -> 3    3 462 -> 5
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 523 -> 1
234625 -> 5

1 2346 -> 2   1 23462 -> 1   1 234625 -> 5
2 3462 -> 2   2 34625 -> 6   2 346252 -> 4
3 4625 -> 4   3 46252 -> 6   3 462523 -> 5
4 6252 -> 2   4 62523 -> 4   4 625234 -> 5
5 2523 -> 2   5 25234 -> 3   5 252346 -> 4
6 5234 -> 4   6 52346 -> 3   6 523462 -> 5
```
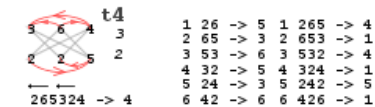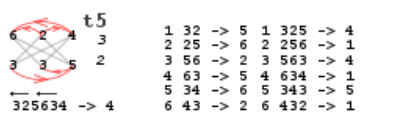
t5

```
1 32 -> 5    1 325 -> 4
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 563 -> 4
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 432 -> 1
325634 -> 4

1 3256 -> 3   1 32563 -> 1   1 325634 -> 4
2 2563 -> 3   2 25634 -> 6   2 256343 -> 5
3 5634 -> 5   3 56343 -> 6   3 563432 -> 4
4 6343 -> 3   4 63432 -> 5   4 634325 -> 4
5 3432 -> 3   5 34325 -> 2   5 343256 -> 5
6 4325 -> 5   6 43256 -> 2   6 432563 -> 4
```

u3

```
1 66 -> 1    1 664 -> 4
2 64 -> 2    2 642 -> 1
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 566 -> 5
664265 -> 5

1 6642 -> 6   1 66426 -> 1   1 664265 -> 5
2 6426 -> 6   2 64265 -> 3   2 642656 -> 4
3 4265 -> 5   3 42656 -> 2   3 426566 -> 5
4 2656 -> 3   4 26566 -> 4   4 265664 -> 5
5 6566 -> 3   5 65664 -> 6   5 656642 -> 4
6 5664 -> 1   6 56642 -> 2   6 566426 -> 5
```

t2

```
1 36 -> 4    1 364 -> 5
2 64 -> 2    2 642 -> 1
3 42 -> 6    3 423 -> 5
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 536 -> 5
364235 -> 5

1 3642 -> 3   1 36423 -> 1   1 364235 -> 5
2 6423 -> 3   2 64235 -> 2   2 642353 -> 4
3 4235 -> 4   3 42353 -> 2   3 423536 -> 5
4 2353 -> 3   4 23536 -> 4   4 235364 -> 5
5 3536 -> 3   5 35364 -> 6   5 353642 -> 4
6 5364 -> 4   6 53642 -> 6   6 536423 -> 5
```

t6

```
1 63 -> 5    1 635 -> 4
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 526 -> 4
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 463 -> 1
635264 -> 4

1 6352 -> 6   1 63526 -> 1   1 635264 -> 4
2 3526 -> 6   2 35264 -> 2   2 352646 -> 5
3 5264 -> 3   3 52646 -> 2   3 526463 -> 5
4 2646 -> 6   4 26463 -> 5   4 264635 -> 4
5 6463 -> 6   5 64635 -> 3   5 646352 -> 5
6 4635 -> 6   6 46352 -> 3   6 463526 -> 4
```

u4

```
1 22 -> 1    1 225 -> 5
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 422 -> 4
225624 -> 4

1 2256 -> 2   1 22562 -> 1   1 225624 -> 4
2 2562 -> 2   2 25624 -> 3   2 256242 -> 5
3 5624 -> 4   3 56242 -> 6   3 562422 -> 5
4 6242 -> 3   4 62422 -> 5   4 624225 -> 4
5 2422 -> 3   5 24225 -> 2   5 242256 -> 5
6 4225 -> 1   6 42256 -> 6   6 422562 -> 4
```

t3

```
1 62 -> 4    1 624 -> 5
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 436 -> 5
4 36 -> 4    4 365 -> 1
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 562 -> 1
624365 -> 5

1 6243 -> 6   1 62436 -> 1   1 624365 -> 5
2 2436 -> 6   2 24365 -> 3   2 243656 -> 4
3 4365 -> 4   3 43656 -> 3   3 436562 -> 5
4 3656 -> 6   4 36562 -> 4   4 365624 -> 5
5 6562 -> 6   5 65624 -> 2   5 656243 -> 4
6 5624 -> 4   6 56243 -> 2   6 562436 -> 5
```
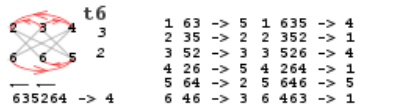
u1

```
1 22 -> 1    1 224 -> 4
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 522 -> 5
224325 -> 5

1 2243 -> 2   1 22432 -> 1   1 224325 -> 5
2 2432 -> 2   2 24325 -> 6   2 243252 -> 4
3 4325 -> 5   3 43252 -> 3   3 432522 -> 5
4 3252 -> 6   4 32522 -> 4   4 325224 -> 5
5 2522 -> 5   5 25224 -> 2   5 252243 -> 4
6 5224 -> 1   6 52243 -> 3   6 522432 -> 5
```

t4

```
1 26 -> 5    1 265 -> 4
2 65 -> 3    2 653 -> 1
3 53 -> 6    3 532 -> 4
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 426 -> 1
265324 -> 4

1 2653 -> 2   1 26532 -> 1   1 265324 -> 4
2 6532 -> 2   2 65324 -> 3   2 653242 -> 5
3 5324 -> 5   3 53242 -> 3   3 532426 -> 4
4 3242 -> 2   4 32426 -> 5   4 324265 -> 4
5 2426 -> 2   5 24265 -> 6   5 242653 -> 5
6 4265 -> 5   6 42653 -> 6   6 426532 -> 4
```
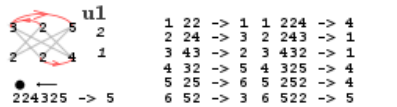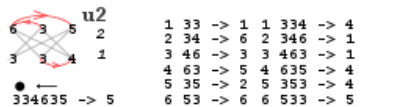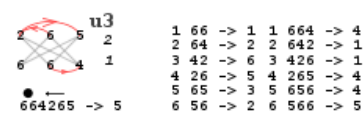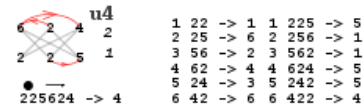
u2

```
1 33 -> 1    1 334 -> 4
2 34 -> 6    2 346 -> 1
3 46 -> 3    3 463 -> 4
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 533 -> 5
334635 -> 5

1 3346 -> 3   1 33463 -> 1   1 334635 -> 5
2 3463 -> 3   2 34635 -> 2   2 346353 -> 4
3 4635 -> 5   3 46353 -> 6   3 463533 -> 5
4 6353 -> 2   4 63533 -> 4   4 635334 -> 5
5 3533 -> 2   5 35334 -> 3   5 353346 -> 4
6 5334 -> 1   6 53346 -> 6   6 533463 -> 5
```
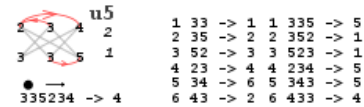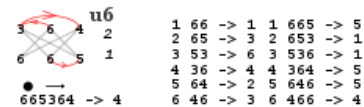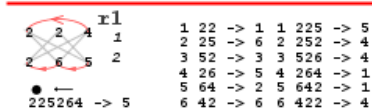
u5

```
1 33 -> 1    1 335 -> 5
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 433 -> 4
335234 -> 4

1 3352 -> 3   1 33523 -> 1   1 335234 -> 5
2 3523 -> 3   2 35234 -> 6   2 352343 -> 5
3 5234 -> 4   3 52343 -> 2   3 523433 -> 4
4 2343 -> 6   4 23433 -> 5   4 234335 -> 4
5 3433 -> 6   5 34335 -> 3   5 343352 -> 5
6 4335 -> 1   6 43352 -> 2   6 433523 -> 4
```

u6

```
1 66 -> 1    1 665 -> 5
2 65 -> 3    2 653 -> 1
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 466 -> 4
665364 -> 4

1 6653 -> 6   1 66536 -> 1   1 665364 -> 4
2 6536 -> 6   2 65364 -> 3   2 653646 -> 5
3 5364 -> 4   3 53646 -> 3   3 536466 -> 4
4 3646 -> 2   4 36466 -> 5   4 364665 -> 4
5 6466 -> 2   5 64665 -> 6   5 646653 -> 5
6 4665 -> 1   6 46653 -> 3   6 466536 -> 4
```

r1

```
2 2 4    1
2 6 5    2
● ←
225264 -> 5
```

```
1 22 -> 1    1 225 -> 5
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 526 -> 4
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 422 -> 5

1 2252 -> 3   1 22526 -> 4   1 225264 -> 5
2 2526 -> 3   2 25264 -> 6   2 252642 -> 4
3 5264 -> 5   3 52642 -> 6   3 526422 -> 5
4 2642 -> 2   4 26422 -> 1   4 264225 -> 5
5 6422 -> 2   5 64225 -> 6   5 642252 -> 4
6 4225 -> 1   6 42252 -> 2   6 422526 -> 4
```
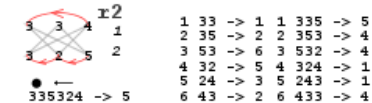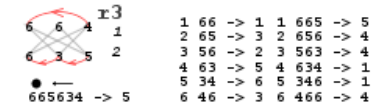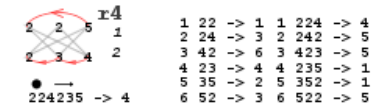
r5

```
3 3 5    1
3 6 4    2
● →
334365 -> 4
```

```
1 33 -> 1    1 334 -> 4
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 436 -> 5
4 36 -> 4    4 365 -> 1
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 533 -> 5

1 3343 -> 2   1 33436 -> 5   1 334365 -> 4
2 3436 -> 2   2 34365 -> 6   2 343653 -> 5
3 4365 -> 4   3 43653 -> 2   3 436533 -> 4
4 3653 -> 3   4 36533 -> 1   4 365334 -> 4
5 6533 -> 3   5 65334 -> 6   5 653343 -> 5
6 5334 -> 1   6 53343 -> 3   6 533436 -> 4
```

s3

```
6 3 5    1
6 6 4
← ←
634665 -> 5
```

```
1 63 -> 5    1 634 -> 1
2 34 -> 6    2 346 -> 1
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 656 -> 4
6 56 -> 2    6 563 -> 4

1 6346 -> 6   1 63466 -> 1   1 634665 -> 5
2 3466 -> 6   2 34665 -> 3   2 346656 -> 4
3 4665 -> 1   3 46656 -> 6   3 466563 -> 5
4 6656 -> 2   4 66563 -> 4   4 665634 -> 5
5 6563 -> 2   5 65634 -> 3   5 656346 -> 4
6 5634 -> 5   6 56346 -> 2   6 563466 -> 5
```

r2

```
3 3 4    1
3 2 2    2
● ←
335324 -> 5
```

```
1 33 -> 1    1 335 -> 5
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 532 -> 4
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 433 -> 4

1 3353 -> 6   1 33532 -> 4   1 335324 -> 5
2 3532 -> 6   2 35324 -> 2   2 353243 -> 4
3 5324 -> 5   3 53243 -> 6   3 532433 -> 5
4 3243 -> 3   4 32433 -> 1   4 324335 -> 5
5 2433 -> 3   5 24335 -> 2   5 243353 -> 4
6 4335 -> 1   6 43353 -> 3   6 433532 -> 5
```
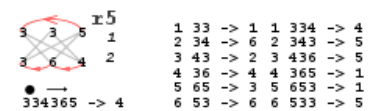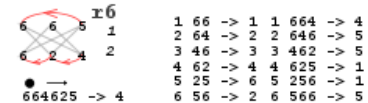
r6

```
6 6 4    1
6 2 4    2
● →
664625 -> 4
```

```
1 66 -> 1    1 664 -> 4
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 462 -> 5
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 566 -> 5

1 6646 -> 3   1 66462 -> 5   1 664625 -> 4
2 6462 -> 3   2 64625 -> 2   2 646256 -> 5
3 4625 -> 4   3 46256 -> 3   3 462566 -> 4
4 6256 -> 6   4 62566 -> 1   4 625664 -> 4
5 2566 -> 6   5 25664 -> 2   5 256646 -> 5
6 5664 -> 1   6 56646 -> 6   6 566462 -> 4
```

s4

```
3 3 4    2
2 2 2    1
→
235224 -> 4
```

```
1 23 -> 4    1 235 -> 1
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 522 -> 4
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 242 -> 5
6 42 -> 6    6 423 -> 5

1 2352 -> 2   1 23522 -> 1   1 235224 -> 4
2 3522 -> 2   2 35224 -> 3   2 352242 -> 5
3 5224 -> 1   3 52242 -> 2   3 522423 -> 4
4 2242 -> 6   4 22423 -> 5   4 224235 -> 4
5 2423 -> 6   5 24235 -> 3   5 242352 -> 5
6 4235 -> 4   6 42352 -> 6   6 423522 -> 4
```

r3

```
6 6 4    1
6 3 5    2
● ←
665634 -> 5
```

```
1 66 -> 1    1 665 -> 5
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 563 -> 4
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 466 -> 4

1 6656 -> 2   1 66563 -> 4   1 665634 -> 5
2 6563 -> 2   2 65634 -> 3   2 656346 -> 5
3 5634 -> 5   3 56346 -> 2   3 563466 -> 5
4 6346 -> 6   4 63466 -> 1   4 634665 -> 5
5 3466 -> 6   5 34665 -> 3   5 346656 -> 4
6 4665 -> 1   6 46656 -> 6   6 466563 -> 5
```
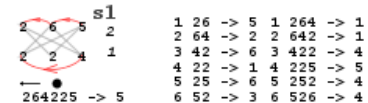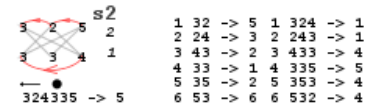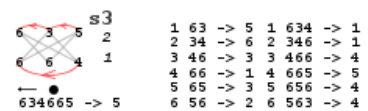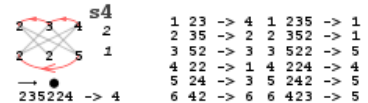
s1

```
2 6 5    2
2 2 4    1
← ●
264225 -> 5
```

```
1 26 -> 5    1 264 -> 1
2 64 -> 2    2 642 -> 1
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 252 -> 4
6 52 -> 3    6 526 -> 4

1 2642 -> 2   1 26422 -> 1   1 264225 -> 5
2 6422 -> 2   2 64225 -> 6   2 642252 -> 5
3 4225 -> 1   3 42252 -> 2   3 422526 -> 5
4 2252 -> 3   4 22526 -> 4   4 225264 -> 5
5 2526 -> 3   5 25264 -> 6   5 252642 -> 4
6 5264 -> 5   6 52642 -> 3   6 526422 -> 5
```
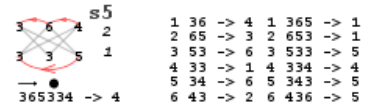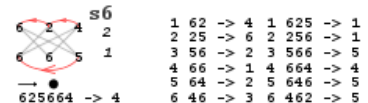
s5

```
3 6 4    2
3 3 5    1
→ ●
365334 -> 4
```

```
1 36 -> 4    1 365 -> 1
2 65 -> 3    2 653 -> 1
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 343 -> 5
6 43 -> 2    6 436 -> 5

1 3653 -> 3   1 36533 -> 1   1 365334 -> 4
2 6533 -> 3   2 65334 -> 6   2 653343 -> 4
3 5334 -> 1   3 53343 -> 3   3 533436 -> 4
4 3343 -> 2   4 33436 -> 5   4 334365 -> 4
5 3436 -> 2   5 34365 -> 6   5 343653 -> 4
6 4365 -> 4   6 43653 -> 2   6 436533 -> 4
```

r4

```
2 2 5    1
2 3 4    2
● →
224235 -> 4
```

```
1 22 -> 1    1 224 -> 4
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 423 -> 5
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 522 -> 5

1 2242 -> 6   1 22423 -> 5   1 224235 -> 4
2 2423 -> 6   2 24235 -> 3   2 242352 -> 5
3 4235 -> 4   3 42352 -> 6   3 423522 -> 5
4 2352 -> 2   4 23522 -> 1   4 235224 -> 4
5 3522 -> 2   5 35224 -> 3   5 352242 -> 5
6 5224 -> 1   6 52242 -> 2   6 522423 -> 4
```

s2

```
3 2 5    2
3 3 4    1
→ ●
324335 -> 5
```

```
1 32 -> 5    1 324 -> 1
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 353 -> 4
6 53 -> 6    6 532 -> 4

1 3243 -> 3   1 32433 -> 1   1 324335 -> 5
2 2433 -> 3   2 24335 -> 2   2 243353 -> 5
3 4335 -> 1   3 43353 -> 3   3 433532 -> 5
4 3353 -> 6   4 33532 -> 4   4 335324 -> 5
5 3532 -> 6   5 35324 -> 2   5 353243 -> 4
6 5324 -> 5   6 53243 -> 6   6 532433 -> 5
```

s6

```
6 2 4    2
6 6 5    1
→ ●
625664 -> 4
```

```
1 62 -> 4    1 625 -> 1
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 646 -> 5
6 46 -> 3    6 462 -> 5

1 6256 -> 6   1 62566 -> 1   1 625664 -> 4
2 2566 -> 6   2 25664 -> 2   2 256646 -> 4
3 5664 -> 1   3 56646 -> 6   3 566462 -> 4
4 6646 -> 3   4 66462 -> 5   4 664625 -> 4
5 6462 -> 3   5 64625 -> 2   5 646256 -> 5
6 4625 -> 4   6 46256 -> 3   6 462566 -> 4
```

p1

```
235364 -> 5

1 23 -> 4    1 235 -> 1
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 423 -> 5

1 2353 -> 3  1 23536 -> 4  1 235364 -> 5
2 3536 -> 3  2 35364 -> 6  2 353642 -> 4
3 5364 -> 4  3 53642 -> 6  3 536423 -> 5
4 3642 -> 3  4 36423 -> 1  4 364235 -> 5
5 6423 -> 3  5 64235 -> 2  5 642353 -> 4
6 4235 -> 4  6 42353 -> 2  6 423536 -> 5
```

p5

```
324265 -> 4

1 32 -> 5    1 324 -> 1
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 532 -> 4

1 3242 -> 2  1 32426 -> 5  1 324265 -> 4
2 2426 -> 2  2 24265 -> 6  2 242653 -> 5
3 4265 -> 5  3 42653 -> 6  3 426532 -> 4
4 2653 -> 2  4 26532 -> 1  4 265324 -> 4
5 6532 -> 2  5 65324 -> 3  5 653242 -> 5
6 5324 -> 5  6 53242 -> 3  6 532426 -> 4
```

q3

```
635334 -> 5

1 63 -> 5    1 635 -> 4
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 533 -> 5
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 463 -> 1

1 6353 -> 2  1 63533 -> 4  1 635334 -> 5
2 3533 -> 2  2 35334 -> 3  2 353346 -> 4
3 5334 -> 1  3 53346 -> 6  3 533463 -> 5
4 3346 -> 3  4 33463 -> 1  4 334635 -> 5
5 3463 -> 3  5 34635 -> 2  5 346353 -> 4
6 4635 -> 5  6 46353 -> 6  6 463533 -> 5
```

p2

```
365624 -> 5

1 36 -> 4    1 365 -> 1
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 436 -> 5

1 3656 -> 6  1 36562 -> 4  1 365624 -> 5
2 6562 -> 6  2 65624 -> 2  2 656243 -> 4
3 5624 -> 4  3 56243 -> 2  3 562436 -> 5
4 6243 -> 6  4 62436 -> 1  4 624365 -> 5
5 2436 -> 6  5 24365 -> 3  5 243656 -> 4
6 4365 -> 4  6 43656 -> 3  6 436562 -> 5
```

p6

```
634325 -> 4

1 63 -> 5    1 634 -> 1
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 563 -> 4

1 6343 -> 3  1 63432 -> 5  1 634325 -> 4
2 3432 -> 3  2 34325 -> 2  2 343256 -> 5
3 4325 -> 5  3 43256 -> 2  3 432563 -> 4
4 3256 -> 3  4 32563 -> 1  4 325634 -> 4
5 2563 -> 3  5 25634 -> 6  5 256343 -> 5
6 5634 -> 5  6 56343 -> 6  6 563432 -> 4
```

q4

```
234335 -> 4

1 23 -> 4    1 234 -> 5
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 523 -> 1

1 2343 -> 6  1 23433 -> 5  1 234335 -> 4
2 3433 -> 6  2 34335 -> 3  2 343352 -> 5
3 4335 -> 1  3 43352 -> 2  3 433523 -> 4
4 3352 -> 3  4 33523 -> 1  4 335234 -> 4
5 3523 -> 3  5 35234 -> 6  5 352343 -> 5
6 5234 -> 4  6 52343 -> 2  6 523433 -> 4
```

p3

```
625234 -> 5

1 62 -> 4    1 625 -> 1
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 462 -> 5

1 6252 -> 2  1 62523 -> 4  1 625234 -> 5
2 2523 -> 2  2 25234 -> 3  2 252346 -> 4
3 5234 -> 4  3 52346 -> 3  3 523462 -> 5
4 2346 -> 2  4 23462 -> 1  4 234625 -> 5
5 3462 -> 2  5 34625 -> 6  5 346252 -> 4
6 4625 -> 4  6 46252 -> 6  6 462523 -> 5
```

q1

```
265664 -> 5

1 26 -> 5    1 265 -> 4
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 426 -> 1

1 2656 -> 3  1 26566 -> 4  1 265664 -> 5
2 6566 -> 3  2 65664 -> 6  2 656642 -> 4
3 5664 -> 1  3 56642 -> 2  3 566426 -> 5
4 6642 -> 6  4 66426 -> 1  4 664265 -> 4
5 6426 -> 2  5 64265 -> 3  5 642656 -> 5
6 4265 -> 5  6 42656 -> 2  6 426566 -> 5
```

q5

```
364665 -> 4

1 36 -> 4    1 364 -> 5
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 536 -> 1

1 3646 -> 2  1 36466 -> 5  1 364665 -> 4
2 6466 -> 2  2 64665 -> 6  2 646653 -> 5
3 4665 -> 1  3 46653 -> 3  3 466536 -> 4
4 6653 -> 6  4 66536 -> 1  4 665364 -> 4
5 6536 -> 6  5 65364 -> 2  5 653646 -> 5
6 5364 -> 4  6 53646 -> 3  6 536466 -> 4
```

p4

```
264635 -> 4

1 26 -> 5    1 264 -> 1
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 526 -> 4

1 2646 -> 6  1 26463 -> 5  1 264635 -> 4
2 6463 -> 6  2 64635 -> 3  2 646352 -> 5
3 4635 -> 5  3 46352 -> 3  3 463526 -> 4
4 6352 -> 6  4 63526 -> 1  4 635264 -> 4
5 3526 -> 6  5 35264 -> 2  5 352646 -> 5
6 5264 -> 5  6 52646 -> 2  6 526463 -> 4
```

q2

```
325224 -> 5

1 32 -> 5    1 325 -> 4
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 432 -> 1

1 3252 -> 6  1 32522 -> 4  1 325224 -> 5
2 2522 -> 6  2 25224 -> 2  2 252243 -> 4
3 5224 -> 1  3 52243 -> 3  3 522432 -> 5
4 2243 -> 2  4 22432 -> 1  4 224325 -> 5
5 2432 -> 2  5 24325 -> 6  5 243252 -> 4
6 4325 -> 5  6 43252 -> 3  6 432522 -> 5
```
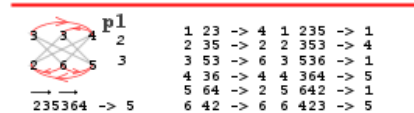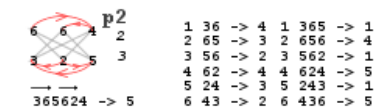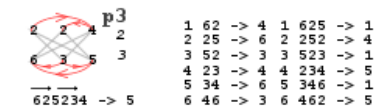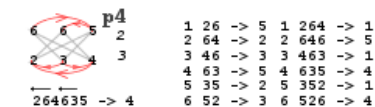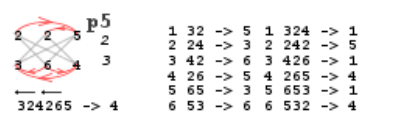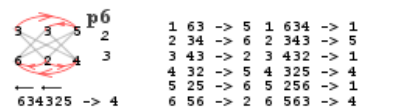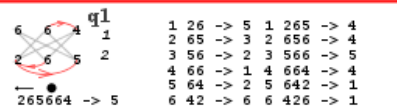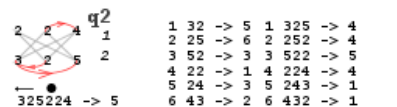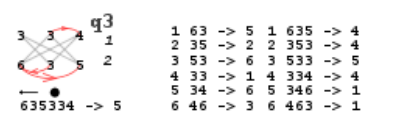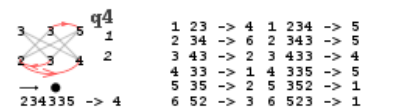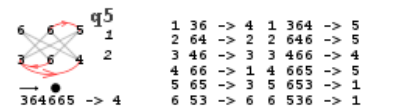
q6

```
624225 -> 4

1 62 -> 4    1 624 -> 1
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 562 -> 1

1 6242 -> 3  1 62422 -> 5  1 624225 -> 4
2 2422 -> 3  2 24225 -> 2  2 242256 -> 5
3 4225 -> 1  3 42256 -> 6  3 422562 -> 4
4 2256 -> 2  4 22562 -> 1  4 225624 -> 4
5 2562 -> 2  5 25624 -> 3  5 256242 -> 5
6 5624 -> 4  6 56242 -> 6  6 562422 -> 4
```

n1

```
2 3 5      3
2 3 4      3
→
234235 -> 5

1 23 -> 4    1 234 -> 3
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 423 -> 5
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 523 -> 1

1 2342 -> 3   1 23423 -> 1   1 234235 -> 5
2 3423 -> 2   2 34235 -> 6   2 342352 -> 4
3 4235 -> 4   3 42352 -> 6   3 423523 -> 5
4 2352 -> 2   4 23523 -> 4   4 235234 -> 5
5 3523 -> 3   5 35234 -> 6   5 352342 -> 4
6 5234 -> 4   6 52342 -> 6   6 523423 -> 5
```

n5

```
3 2 4      3
3 2 5      3
←  ←
325324 -> 4

1 32 -> 5    1 325 -> 4
2 25 -> 6    2 253 -> 5
3 53 -> 3    3 532 -> 4
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 432 -> 1

1 3253 -> 2   1 32532 -> 1   1 325324 -> 4
2 2532 -> 3   2 25324 -> 6   2 253243 -> 5
3 5324 -> 5   3 53243 -> 6   3 532432 -> 4
4 3243 -> 3   4 32432 -> 5   4 324325 -> 4
5 2432 -> 2   5 24325 -> 6   5 243253 -> 5
6 4325 -> 5   6 43253 -> 6   6 432532 -> 4
```
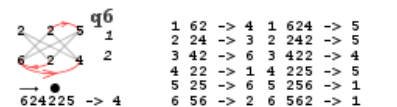
o3

```
3 6 5      2
6 2 4      2
●  ←
664325 -> 5

1 66 -> 1    1 664 -> 4
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 566 -> 5

1 6643 -> 2   1 66432 -> 1   1 664325 -> 5
2 6432 -> 6   2 64325 -> 3   2 643256 -> 4
3 4325 -> 5   3 43256 -> 2   3 432566 -> 5
4 3256 -> 3   4 32566 -> 4   4 325664 -> 5
5 2566 -> 6   5 25664 -> 2   5 256643 -> 4
6 5664 -> 1   6 56643 -> 3   6 566432 -> 5
```

n2

```
3 6 5      3
3 6 4      3
→  ←
364365 -> 5

1 36 -> 4    1 364 -> 5
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 436 -> 5
4 36 -> 4    4 365 -> 4
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 536 -> 1

1 3643 -> 6   1 36436 -> 1   1 364365 -> 5
2 6436 -> 3   2 64365 -> 2   2 643653 -> 4
3 4365 -> 4   3 43653 -> 2   3 436536 -> 5
4 3653 -> 3   4 36536 -> 4   4 365364 -> 5
5 6536 -> 6   5 65364 -> 2   5 653643 -> 4
6 5364 -> 4   6 53643 -> 2   6 536436 -> 5
```

n6

```
6 3 4      3
6 3 5      3
←  ←
635634 -> 4

1 63 -> 5    1 635 -> 4
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 563 -> 4
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 463 -> 1

1 6356 -> 3   1 63563 -> 1   1 635634 -> 4
2 3563 -> 6   2 35634 -> 2   2 356346 -> 5
3 5634 -> 5   3 56346 -> 2   3 563463 -> 4
4 6346 -> 6   4 63463 -> 5   4 634635 -> 4
5 3463 -> 3   5 34635 -> 2   5 346356 -> 5
6 4635 -> 5   6 46356 -> 2   6 463563 -> 4
```

o4

```
3 2 4      2
2 6 5      2
●  ←
225364 -> 4

1 22 -> 1    1 225 -> 5
2 25 -> 6    2 253 -> 5
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 422 -> 4

1 2253 -> 6   1 22536 -> 1   1 225364 -> 4
2 2536 -> 2   2 25364 -> 3   2 253642 -> 5
3 5364 -> 4   3 53642 -> 6   3 536422 -> 5
4 3642 -> 3   4 36422 -> 5   4 364225 -> 4
5 6422 -> 2   5 64225 -> 6   5 642253 -> 4
6 4225 -> 1   6 42253 -> 3   6 422536 -> 4
```

n3

```
6 2 5      3
6 2 4      3
→  →
624625 -> 5

1 62 -> 4    1 624 -> 5
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 462 -> 5
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 562 -> 1

1 6246 -> 2   1 62462 -> 1   1 624625 -> 5
2 2462 -> 6   2 24625 -> 3   2 246256 -> 5
3 4625 -> 4   3 46256 -> 3   3 462562 -> 5
4 6256 -> 6   4 62562 -> 4   4 625624 -> 5
5 2562 -> 2   5 25624 -> 3   5 256246 -> 4
6 5624 -> 4   6 56246 -> 3   6 562462 -> 5
```

o1

```
6 2 5      2
2 3 4      2
●  ←
224635 -> 5

1 22 -> 1    1 224 -> 4
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 522 -> 5

1 2246 -> 3   1 22463 -> 1   1 224635 -> 5
2 2463 -> 2   2 24635 -> 6   2 246352 -> 5
3 4635 -> 4   3 46352 -> 3   3 463522 -> 5
4 6352 -> 6   4 63522 -> 4   4 635224 -> 5
5 3522 -> 2   5 35224 -> 3   5 352246 -> 4
6 5224 -> 1   6 52246 -> 6   6 522463 -> 5
```

o5

```
6 3 5      2
3 2 4      2
●  →
335624 -> 4

1 33 -> 1    1 335 -> 5
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 562 -> 5
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 433 -> 4

1 3356 -> 2   1 33562 -> 1   1 335624 -> 4
2 3562 -> 3   2 35624 -> 6   2 356243 -> 4
3 5624 -> 4   3 56243 -> 2   3 562433 -> 4
4 6243 -> 6   4 62433 -> 5   4 624335 -> 4
5 2433 -> 3   5 24335 -> 2   5 243356 -> 5
6 4335 -> 1   6 43356 -> 6   6 433562 -> 4
```

n4

```
2 6 4      3
2 6 5      3
←  ←
265264 -> 4

1 26 -> 5    1 265 -> 4
2 65 -> 3    2 652 -> 4
3 52 -> 3    3 526 -> 4
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 426 -> 1

1 2652 -> 6   1 26526 -> 1   1 265264 -> 4
2 6526 -> 2   2 65264 -> 3   2 652642 -> 5
3 5264 -> 3   3 52642 -> 3   3 526426 -> 4
4 2642 -> 2   4 26426 -> 5   4 264265 -> 4
5 6426 -> 6   5 64265 -> 3   5 642652 -> 5
6 4265 -> 5   6 42652 -> 3   6 426526 -> 4
```

o2

```
2 3 5      2
3 6 4      2
●  ←
334265 -> 5

1 33 -> 1    1 334 -> 4
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 265 -> 1
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 533 -> 5

1 3342 -> 6   1 33426 -> 1   1 334265 -> 5
2 3426 -> 3   2 34265 -> 2   2 342653 -> 4
3 4265 -> 5   3 42653 -> 6   3 426533 -> 5
4 2653 -> 2   4 26533 -> 4   4 265334 -> 5
5 6533 -> 3   5 65334 -> 6   5 653342 -> 4
6 5334 -> 1   6 53342 -> 2   6 533426 -> 5
```

o6

```
2 6 4      2
6 3 5      2
●  →
665234 -> 4

1 66 -> 1    1 665 -> 5
2 65 -> 3    2 652 -> 4
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 466 -> 4

1 6652 -> 3   1 66523 -> 1   1 665234 -> 4
2 6523 -> 6   2 65234 -> 2   2 652346 -> 5
3 5234 -> 4   3 52346 -> 3   3 523466 -> 4
4 2346 -> 2   4 23466 -> 5   4 234665 -> 4
5 3466 -> 6   5 34665 -> 3   5 346652 -> 5
6 4665 -> 1   6 46652 -> 2   6 466523 -> 4
```

11

224335 -> 1

```
1 22 -> 1    1 224 -> 4
2 24 -> 3    2 243 -> 1
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 522 -> 5

1 2243 -> 2   1 22433 -> 4   1 224335 -> 1
2 2433 -> 3   2 24335 -> 2   2 243352 -> 1
3 4335 -> 1   3 43352 -> 2   3 433522 -> 1
4 3352 -> 3   4 33522 -> 5   4 335224 -> 1
5 3522 -> 2   5 35224 -> 3   5 352243 -> 1
6 5224 -> 1   6 52243 -> 3   6 522433 -> 1
```
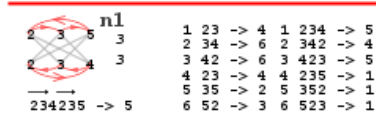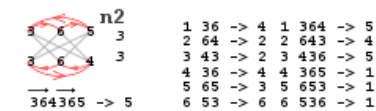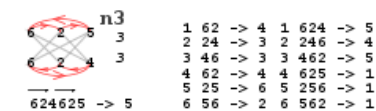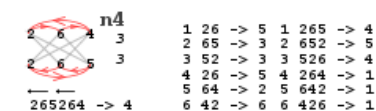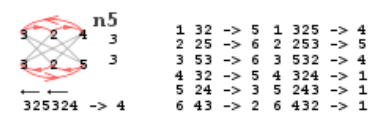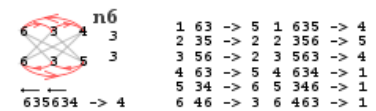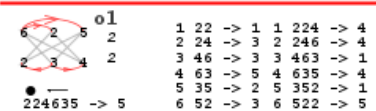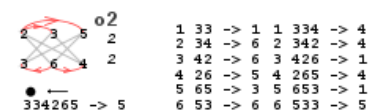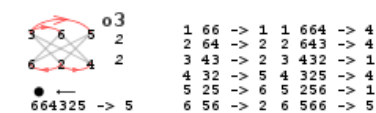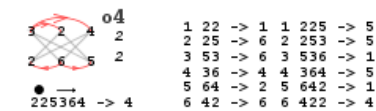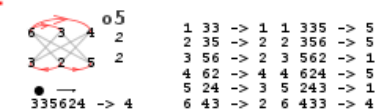
12

225664 -> 1

```
1 22 -> 1    1 225 -> 5
2 25 -> 6    2 256 -> 1
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 664 -> 1
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 422 -> 1

1 2256 -> 2   1 22566 -> 5   1 225664 -> 1
2 2566 -> 6   2 25664 -> 2   2 256642 -> 1
3 5664 -> 1   3 56642 -> 2   3 566422 -> 1
4 6642 -> 6   4 66422 -> 4   4 664225 -> 1
5 6422 -> 2   5 64225 -> 6   5 642256 -> 1
6 4225 -> 1   6 42256 -> 6   6 422566 -> 1
```

13

334665 -> 1

```
1 33 -> 1    1 334 -> 4
2 34 -> 6    2 346 -> 1
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 653 -> 1
6 53 -> 4    6 533 -> 5

1 3346 -> 3   1 33466 -> 4   1 334665 -> 1
2 3466 -> 6   2 34665 -> 3   2 346653 -> 1
3 4665 -> 1   3 46653 -> 3   3 466533 -> 1
4 6653 -> 6   4 66533 -> 5   4 665334 -> 1
5 6533 -> 3   5 65334 -> 6   5 653346 -> 1
6 5334 -> 1   6 53346 -> 6   6 533466 -> 1
```
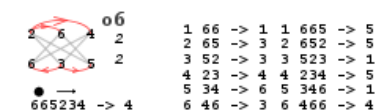
14

335224 -> 1

```
1 33 -> 1    1 335 -> 5
2 35 -> 2    2 352 -> 1
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 433 -> 4

1 3352 -> 3   1 33522 -> 5   1 335224 -> 1
2 3522 -> 2   2 35224 -> 3   2 352243 -> 1
3 5224 -> 1   3 52243 -> 3   3 522433 -> 1
4 2243 -> 2   4 22433 -> 4   4 224335 -> 1
5 2433 -> 3   5 24335 -> 2   5 243352 -> 1
6 4335 -> 1   6 43352 -> 2   6 433522 -> 1
```

15

664225 -> 1

```
1 66 -> 1    1 664 -> 4
2 64 -> 2    2 642 -> 1
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 566 -> 5

1 6642 -> 6   1 66422 -> 4   1 664225 -> 1
2 6422 -> 2   2 64225 -> 6   2 642256 -> 1
3 4225 -> 1   3 42256 -> 2   3 422566 -> 1
4 2256 -> 2   4 22566 -> 5   4 225664 -> 1
5 2566 -> 6   5 25664 -> 2   5 256642 -> 1
6 5664 -> 1   6 56642 -> 2   6 566422 -> 1
```
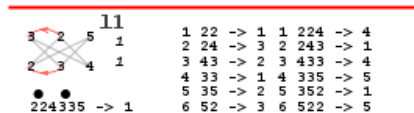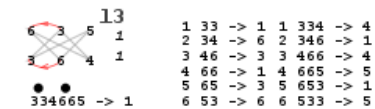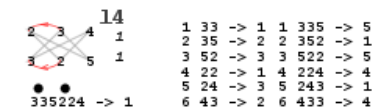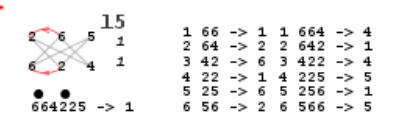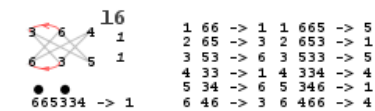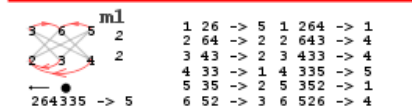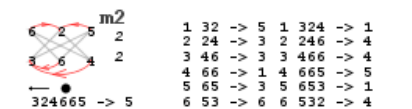
16

665334 -> 1

```
1 66 -> 1    1 665 -> 5
2 65 -> 3    2 653 -> 1
3 53 -> 3    3 533 -> 5
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 466 -> 4

1 6653 -> 6   1 66533 -> 5   1 665334 -> 1
2 6533 -> 3   2 65334 -> 6   2 653346 -> 1
3 5334 -> 1   3 53346 -> 6   3 533466 -> 1
4 3346 -> 3   4 33466 -> 4   4 334665 -> 1
5 3466 -> 6   5 34665 -> 3   5 346653 -> 1
6 4665 -> 1   6 46653 -> 3   6 466533 -> 1
```
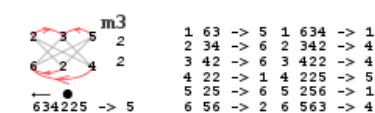
m1

264335 -> 5

```
1 26 -> 5    1 264 -> 1
2 64 -> 2    2 643 -> 4
3 43 -> 2    3 433 -> 4
4 33 -> 1    4 335 -> 5
5 35 -> 2    5 352 -> 1
6 52 -> 3    6 526 -> 4

1 2643 -> 3   1 26433 -> 1   1 264335 -> 5
2 6433 -> 2   2 64335 -> 6   2 643352 -> 5
3 4335 -> 1   3 43352 -> 2   3 433526 -> 5
4 3352 -> 3   4 33526 -> 4   4 335264 -> 5
5 3526 -> 6   5 35264 -> 2   5 352643 -> 4
6 5264 -> 5   6 52643 -> 6   6 526433 -> 5
```

m2

324665 -> 5

```
1 32 -> 5    1 324 -> 1
2 24 -> 3    2 246 -> 4
3 46 -> 3    3 466 -> 4
4 66 -> 1    4 665 -> 5
5 65 -> 3    5 653 -> 1
6 53 -> 6    6 532 -> 4

1 3246 -> 6   1 32466 -> 1   1 324665 -> 5
2 2466 -> 3   2 24665 -> 2   2 246653 -> 4
3 4665 -> 1   3 46653 -> 3   3 466532 -> 5
4 6653 -> 6   4 66532 -> 4   4 665324 -> 5
5 6532 -> 2   5 65324 -> 3   5 653246 -> 4
6 5324 -> 5   6 53246 -> 2   6 532466 -> 5
```

m3

634225 -> 5

```
1 63 -> 5    1 634 -> 1
2 34 -> 6    2 342 -> 4
3 42 -> 6    3 422 -> 4
4 22 -> 1    4 225 -> 5
5 25 -> 6    5 256 -> 1
6 56 -> 2    6 563 -> 4

1 6342 -> 2   1 63422 -> 1   1 634225 -> 5
2 3422 -> 6   2 34225 -> 3   2 342256 -> 4
3 4225 -> 1   3 42256 -> 6   3 422563 -> 5
4 2256 -> 2   4 22563 -> 4   4 225634 -> 5
5 2563 -> 3   5 25634 -> 6   5 256342 -> 4
6 5634 -> 5   6 56342 -> 3   6 563422 -> 5
```

m4

235664 -> 4
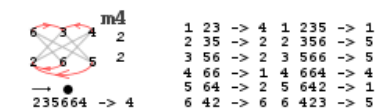
```
1 23 -> 4    1 235 -> 1
2 35 -> 2    2 356 -> 5
3 56 -> 2    3 566 -> 5
4 66 -> 1    4 664 -> 4
5 64 -> 2    5 642 -> 1
6 42 -> 6    6 423 -> 5

1 2356 -> 6   1 23566 -> 1   1 235664 -> 4
2 3566 -> 2   2 35664 -> 3   2 356642 -> 5
3 5664 -> 1   3 56642 -> 2   3 566423 -> 5
4 6642 -> 6   4 66423 -> 5   4 664235 -> 4
5 6423 -> 3   5 64235 -> 2   5 642356 -> 5
6 4235 -> 4   6 42356 -> 3   6 423566 -> 4
```

m5

365224 -> 4
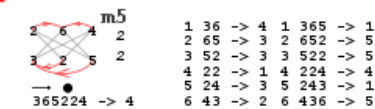
```
1 36 -> 4    1 365 -> 1
2 65 -> 3    2 652 -> 5
3 52 -> 3    3 522 -> 5
4 22 -> 1    4 224 -> 4
5 24 -> 3    5 243 -> 1
6 43 -> 2    6 436 -> 5

1 3652 -> 2   1 36522 -> 1   1 365224 -> 4
2 6522 -> 3   2 65224 -> 6   2 652243 -> 4
3 5224 -> 1   3 52243 -> 3   3 522436 -> 4
4 2243 -> 2   4 22436 -> 5   4 224365 -> 4
5 2436 -> 6   5 24365 -> 3   5 243652 -> 4
6 4365 -> 4   6 43652 -> 6   6 436522 -> 4
```

m6

625334 -> 4
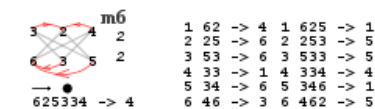
```
1 62 -> 4    1 625 -> 1
2 25 -> 6    2 253 -> 5
3 53 -> 3    3 533 -> 5
4 33 -> 1    4 334 -> 4
5 34 -> 6    5 346 -> 1
6 46 -> 3    6 462 -> 5

1 6253 -> 3   1 62533 -> 1   1 625334 -> 4
2 2533 -> 6   2 25334 -> 2   2 253346 -> 5
3 5334 -> 1   3 53346 -> 6   3 533462 -> 4
4 3346 -> 3   4 33462 -> 5   4 334625 -> 4
5 3462 -> 2   5 34625 -> 6   5 346253 -> 5
6 4625 -> 4   6 46253 -> 2   6 462533 -> 4
```

h1

```
1 23 -> 4    1 234 -> 5
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 436 -> 5
4 36 -> 4    4 365 -> 1
5 65 -> 3    5 652 -> 5
6 52 -> 3    6 523 -> 1
234365 -> 5
```

```
1 2343 -> 6   1 23436 -> 1   1 234365 -> 5
2 3436 -> 2   2 34365 -> 6   2 343652 -> 4
3 4365 -> 4   3 43652 -> 6   3 436523 -> 5
4 3652 -> 2   4 36523 -> 4   4 365234 -> 5
5 6523 -> 6   5 65234 -> 2   5 652343 -> 4
6 5234 -> 4   6 52343 -> 2   6 523436 -> 5
```

h5

```
1 32 -> 5    1 325 -> 4
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 526 -> 4
4 26 -> 5    4 264 -> 1
5 64 -> 2    5 643 -> 4
6 43 -> 2    6 432 -> 1
325264 -> 4
```

```
1 3252 -> 6   1 32526 -> 1   1 325264 -> 4
2 2526 -> 3   2 25264 -> 6   2 252643 -> 5
3 5264 -> 5   3 52643 -> 6   3 526432 -> 4
4 2643 -> 3   4 26432 -> 5   4 264325 -> 4
5 6432 -> 6   5 64325 -> 3   5 643252 -> 5
6 4325 -> 5   6 43252 -> 3   6 432526 -> 4
```

i3

```
1 66 -> 1    1 664 -> 4
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 463 -> 1
4 63 -> 5    4 635 -> 4
5 35 -> 2    5 356 -> 5
6 56 -> 2    6 566 -> 5
664635 -> 5
```

```
1 6646 -> 3   1 66463 -> 1   1 664635 -> 5
2 6463 -> 6   2 64635 -> 3   2 646356 -> 4
3 4635 -> 5   3 46356 -> 2   3 463566 -> 5
4 6356 -> 3   4 63566 -> 4   4 635664 -> 5
5 3566 -> 2   5 35664 -> 3   5 356646 -> 4
6 5664 -> 1   6 56646 -> 6   6 566463 -> 5
```

h2

```
1 36 -> 4    1 364 -> 5
2 64 -> 2    2 646 -> 5
3 46 -> 3    3 462 -> 5
4 62 -> 4    4 625 -> 1
5 25 -> 6    5 253 -> 5
6 53 -> 6    6 536 -> 1
364625 -> 5
```

```
1 3646 -> 2   1 36462 -> 1   1 364625 -> 5
2 6462 -> 3   2 64625 -> 2   2 646253 -> 4
3 4625 -> 4   3 46253 -> 2   3 462536 -> 5
4 6253 -> 3   4 62536 -> 4   4 625364 -> 5
5 2536 -> 2   5 25364 -> 3   5 253646 -> 4
6 5364 -> 4   6 53646 -> 3   6 536462 -> 5
```

h6

```
1 63 -> 5    1 635 -> 4
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 532 -> 4
4 32 -> 5    4 324 -> 1
5 24 -> 3    5 246 -> 4
6 46 -> 3    6 463 -> 1
635324 -> 4
```

```
1 6353 -> 2   1 63532 -> 1   1 635324 -> 4
2 3532 -> 6   2 35324 -> 2   2 353246 -> 5
3 5324 -> 5   3 53246 -> 2   3 532463 -> 4
4 3246 -> 6   4 32463 -> 5   4 324635 -> 4
5 2463 -> 2   5 24635 -> 6   5 246353 -> 5
6 4635 -> 5   6 46353 -> 6   6 463532 -> 4
```

i4

```
1 22 -> 1    1 225 -> 5
2 25 -> 6    2 252 -> 4
3 52 -> 3    3 523 -> 1
4 23 -> 4    4 234 -> 5
5 34 -> 6    5 342 -> 4
6 42 -> 6    6 422 -> 4
225234 -> 4
```

```
1 2252 -> 3   1 22523 -> 1   1 225234 -> 4
2 2523 -> 2   2 25234 -> 3   2 252342 -> 5
3 5234 -> 4   3 52342 -> 6   3 523422 -> 4
4 2342 -> 3   4 23422 -> 5   4 234225 -> 4
5 3422 -> 6   5 34225 -> 3   5 342252 -> 5
6 4225 -> 1   6 42252 -> 2   6 422523 -> 4
```

h3

```
1 62 -> 4    1 624 -> 5
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 423 -> 5
4 23 -> 4    4 235 -> 1
5 35 -> 2    5 356 -> 5
6 56 -> 2    6 562 -> 1
624235 -> 5
```

```
1 6242 -> 3   1 62423 -> 1   1 624235 -> 5
2 2423 -> 6   2 24235 -> 3   2 242356 -> 4
3 4235 -> 4   3 42356 -> 3   3 423562 -> 5
4 2356 -> 6   4 23562 -> 4   4 235624 -> 5
5 3562 -> 3   5 35624 -> 6   5 356242 -> 4
6 5624 -> 4   6 56242 -> 6   6 562423 -> 5
```

i1

```
1 22 -> 1    1 224 -> 4
2 24 -> 3    2 242 -> 5
3 42 -> 6    3 426 -> 1
4 26 -> 5    4 265 -> 4
5 65 -> 3    5 652 -> 5
6 52 -> 3    6 522 -> 5
224265 -> 5
```

```
1 2242 -> 6   1 22426 -> 1   1 224265 -> 5
2 2426 -> 2   2 24265 -> 6   2 242652 -> 4
3 4265 -> 5   3 42652 -> 3   3 426522 -> 5
4 2652 -> 6   4 26522 -> 4   4 265224 -> 5
5 6522 -> 3   5 65224 -> 6   5 652242 -> 4
6 5224 -> 1   6 52242 -> 2   6 522426 -> 5
```

i5

```
1 33 -> 1    1 335 -> 5
2 35 -> 2    2 353 -> 4
3 53 -> 6    3 536 -> 1
4 36 -> 4    4 364 -> 5
5 64 -> 2    5 643 -> 4
6 43 -> 2    6 433 -> 4
335364 -> 4
```

```
1 3353 -> 6   1 33536 -> 1   1 335364 -> 4
2 3536 -> 3   2 35364 -> 6   2 353643 -> 5
3 5364 -> 4   3 53643 -> 2   3 536433 -> 4
4 3643 -> 6   4 36433 -> 5   4 364335 -> 4
5 6433 -> 2   5 64335 -> 6   5 643353 -> 5
6 4335 -> 1   6 43353 -> 3   6 433536 -> 4
```

h4

```
1 26 -> 5    1 265 -> 4
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 563 -> 4
4 63 -> 5    4 634 -> 1
5 34 -> 6    5 342 -> 4
6 42 -> 6    6 426 -> 1
265634 -> 4
```

```
1 2656 -> 3   1 26563 -> 1   1 265634 -> 4
2 6563 -> 2   2 65634 -> 3   2 656342 -> 5
3 5634 -> 5   3 56342 -> 5   3 563426 -> 4
4 6342 -> 2   4 63426 -> 5   4 634265 -> 4
5 3426 -> 3   5 34265 -> 2   5 342656 -> 5
6 4265 -> 5   6 42656 -> 2   6 426563 -> 4
```

i2

```
1 33 -> 1    1 334 -> 4
2 34 -> 6    2 343 -> 5
3 43 -> 2    3 432 -> 1
4 32 -> 5    4 325 -> 4
5 25 -> 6    5 253 -> 5
6 53 -> 6    6 533 -> 5
334325 -> 5
```

```
1 3343 -> 2   1 33432 -> 1   1 334325 -> 5
2 3432 -> 3   2 34325 -> 2   2 343253 -> 4
3 4325 -> 5   3 43253 -> 6   3 432533 -> 5
4 3253 -> 2   4 32533 -> 4   4 325334 -> 5
5 2533 -> 6   5 25334 -> 2   5 253343 -> 4
6 5334 -> 1   6 53343 -> 3   6 533432 -> 5
```

i6

```
1 66 -> 1    1 665 -> 5
2 65 -> 3    2 656 -> 4
3 56 -> 2    3 562 -> 1
4 62 -> 4    4 624 -> 5
5 24 -> 3    5 246 -> 4
6 46 -> 3    6 466 -> 4
665624 -> 4
```

```
1 6656 -> 2   1 66562 -> 1   1 665624 -> 4
2 6562 -> 6   2 65624 -> 2   2 656246 -> 5
3 5624 -> 4   3 56246 -> 3   3 562466 -> 4
4 6246 -> 2   4 62466 -> 5   4 624665 -> 4
5 2466 -> 3   5 24665 -> 2   5 246656 -> 5
6 4665 -> 1   6 46656 -> 6   6 466562 -> 4
```

These simple feedbacks are the basic units of informational constructs. Each one has its own characteristics and together they form a puzzle that allows further later bigger constructions, which also come with instructions for use.