Tetromino Packing

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Program run with reflections included
Program run with Z-pieces included

Iteration number: 1
Board size: 2x2
Average IDP call: 0.246s
Number packable: 1 out of 5
Total time taken: 1.232s

nR=0
nS=1
nT=0
nL=0
nZ=0

Iteration number: 2
Board size: 2x4
Average IDP call: 0.243s
Number packable: 3 out of 15
Total time taken: 3.644s

nR=2	nR=0	nR=0
nS=0	nS=2	nS=0
nT=0	nT=0	nT=0
nL=0	nL=0	nL=2
nZ=0	nZ=0	nZ=0

Iteration number: 3
Board size: 2x6
Average IDP call: 0.249s
Number packable: 4 out of 35
Total time taken: 8.725s

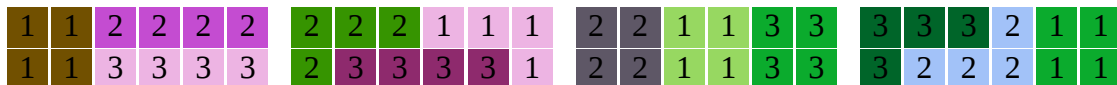| nR=2 | nR=1 | nR=0 | nR=0 |
nS=1	nS=0	nS=3	nS=1
nT=0	nT=0	nT=0	nT=0
nL=0	nL=2	nL=0	nL=2
nZ=0	nZ=0	nZ=0	nZ=0

Iteration number: 4
Board size: 3x4

Average IDP call: 0.243s
Number packable: 6 out of 35
Total time taken: 8.503s

nR=3	nR=1	nR=1	nR=0	nR=0	nR=0
nS=0	nS=2	nS=0	nS=1	nS=0	nS=0
nT=0	nT=0	nT=0	nT=0	nT=2	nT=0
nL=0	nL=0	nL=2	nL=2	nL=1	nL=2
nZ=0	nZ=0	nZ=0	nZ=0	nZ=0	nZ=1

Grid 1:
```
2 2 2 2
1 1 1 1
3 3 3 3
```
Grid 2:
```
1 1 2 2
1 1 2 2
3 3 3 3
```
Grid 3:
```
2 2 2 2
3 3 3 1
3 1 1 1
```
Grid 4:
```
3 1 1 1
3 1 2 2
3 3 2 2
```
Grid 5:
```
3 3 3 2
3 1 2 2
1 1 1 2
```
Grid 6:
```
3 3 3 1
3 2 2 1
2 2 1 1
```

Iteration number: 5
Board size: 4x4
Average IDP call: 0.444s
Number packable: 12 out of 70
Total time taken: 31.075s

nR=4	nR=2	nR=2	nR=1	nR=1	nR=1	nR=0
nS=0	nS=2	nS=0	nS=1	nS=0	nS=0	nS=4
nT=0	nT=0	nT=0	nT=0	nT=2	nT=0	nT=0
nL=0	nL=0	nL=2	nL=2	nL=1	nL=2	nL=0
nZ=0	nZ=0	nZ=0	nZ=0	nZ=0	nZ=1	nZ=0

Grid 1:
```
1 2 4 3
1 2 4 3
1 2 4 3
1 2 4 3
```
Grid 2:
```
2 2 4 3
2 2 4 3
1 1 4 3
1 1 4 3
```
Grid 3:
```
4 2 1 1
4 2 3 1
4 2 3 1
4 2 3 3
```
Grid 4:
```
3 3 3 4
1 1 3 4
1 1 2 4
2 2 2 4
```
Grid 5:
```
1 1 1 2
1 4 2 2
4 4 4 2
3 3 3 3
```
Grid 6:
```
4 4 2 2
3 4 4 2
3 3 3 2
1 1 1 1
```
Grid 7:
```
2 2 3 3
2 2 3 3
1 1 4 4
1 1 4 4
```

nR=0	nR=0	nR=0	nR=0	nR=0
nS=2	nS=0	nS=0	nS=0	nS=0
nT=0	nT=4	nT=2	nT=0	nT=0
nL=2	nL=0	nL=1	nL=4	nL=2
nZ=0	nZ=0	nZ=1	nZ=0	nZ=2

Grid 1:
```
1 1 2 2
3 1 2 2
3 1 4 4
3 3 4 4
```
Grid 2:
```
3 3 3 1
4 3 1 1
4 4 2 1
4 2 2 2
```
Grid 3:
```
2 2 2 3
2 4 3 3
4 4 1 3
4 1 1 1
```
Grid 4:
```
1 1 2 2
3 1 4 2
3 1 4 2
3 3 4 4
```
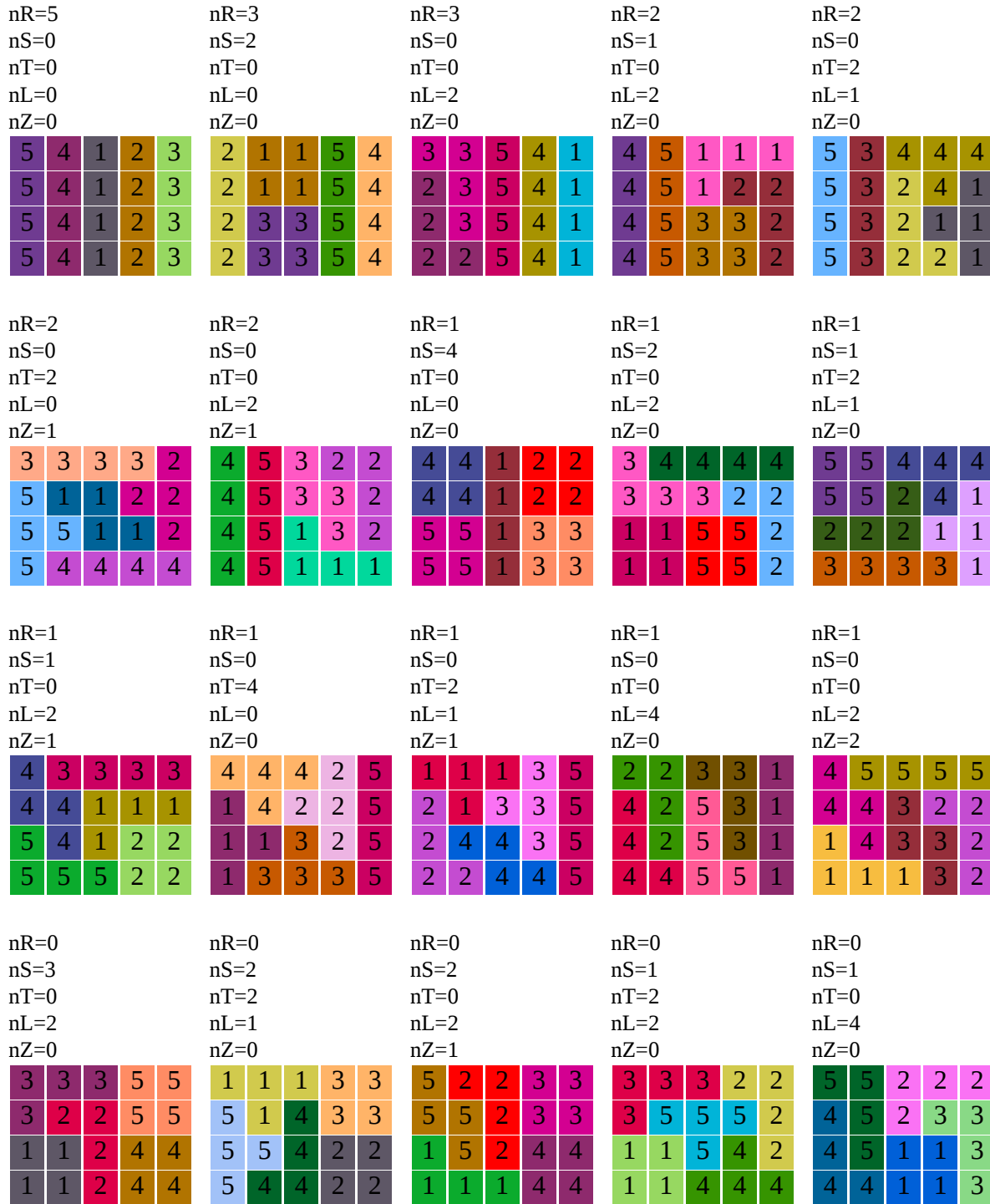Grid 5:
```
3 1 1 1
3 3 4 1
2 3 4 4
2 2 2 4
```

Iteration number: 6
Board size: 4x5
Average IDP call: 7.699s
Number packable: 26 out of 126
Total time taken: 970.162s

nR=5 nS=0 nT=0 nL=0 nZ=0

5	4	1	2	3
5	4	1	2	3
5	4	1	2	3
5	4	1	2	3

nR=3 nS=2 nT=0 nL=0 nZ=0

2	1	1	5	4
2	1	1	5	4
2	3	3	5	4
2	3	3	5	4

nR=3 nS=0 nT=0 nL=2 nZ=0

3	3	5	4	1
2	3	5	4	1
2	3	5	4	1
2	2	5	4	1

nR=2 nS=1 nT=0 nL=2 nZ=0

4	5	1	1	1
4	5	1	2	2
4	5	3	3	2
4	5	3	3	2

nR=2 nS=0 nT=2 nL=1 nZ=0

5	3	4	4	4
5	3	2	4	1
5	3	2	1	1
5	3	2	2	1

nR=2 nS=0 nT=2 nL=0 nZ=1

3	3	3	3	2
5	1	1	2	2
5	5	1	1	2
5	4	4	4	4

nR=2 nS=0 nT=0 nL=2 nZ=1

4	5	3	2	2
4	5	3	3	2
4	5	1	3	2
4	5	1	1	1

nR=1 nS=4 nT=0 nL=0 nZ=0

4	4	1	2	2
4	4	1	2	2
5	5	1	3	3
5	5	1	3	3

nR=1 nS=2 nT=0 nL=2 nZ=0

3	4	4	4	4
3	3	3	2	2
1	1	5	5	2
1	1	5	5	2

nR=1 nS=1 nT=2 nL=1 nZ=0

5	5	4	4	4
5	5	2	4	1
2	2	2	1	1
3	3	3	3	1

nR=1 nS=1 nT=0 nL=2 nZ=1

4	3	3	3	3
4	4	1	1	1
5	4	1	2	2
5	5	5	2	2

nR=1 nS=0 nT=4 nL=0 nZ=0

4	4	4	2	5
1	4	2	2	5
1	1	3	2	5
1	3	3	3	5

nR=1 nS=0 nT=2 nL=1 nZ=1

1	1	1	3	5
2	1	3	3	5
2	4	4	3	5
2	2	4	4	5

nR=1 nS=0 nT=0 nL=4 nZ=0

2	2	3	3	1
4	2	5	3	1
4	2	5	3	1
4	4	5	5	1

nR=1 nS=0 nT=0 nL=2 nZ=2

4	5	5	5	5
4	4	3	2	2
1	4	3	3	2
1	1	1	3	2

nR=0 nS=3 nT=0 nL=2 nZ=0

3	3	3	5	5
3	2	2	5	5
1	1	2	4	4
1	1	2	4	4

nR=0 nS=2 nT=2 nL=1 nZ=0

1	1	1	3	3
5	1	4	3	3
5	5	4	2	2
5	4	4	2	2

nR=0 nS=2 nT=0 nL=2 nZ=1

5	2	2	3	3
5	5	2	3	3
1	5	2	4	4
1	1	1	4	4

nR=0 nS=1 nT=2 nL=2 nZ=0

3	3	3	2	2
3	5	5	5	2
1	1	5	4	2
1	1	4	4	4

nR=0 nS=1 nT=0 nL=4 nZ=0

5	5	2	2	2
4	5	2	3	3
4	5	1	1	3
4	4	1	1	3

nR=0
nS=0
nT=4
nL=0
nZ=1

1	1	1	3	3
2	1	3	3	4
2	2	5	4	4
2	5	5	5	4

nR=0
nS=0
nT=2
nL=3
nZ=0

4	5	5	2	2
4	4	5	3	2
4	1	5	3	2
1	1	1	3	3

nR=0
nS=0
nT=2
nL=2
nZ=1

4	4	4	2	2
5	4	3	3	2
5	3	3	1	2
5	5	1	1	1

nR=0
nS=0
nT=2
nL=1
nZ=2

1	3	3	2	2
1	1	3	3	2
1	5	5	4	2
5	5	4	4	4

nR=0
nS=0
nT=0
nL=4
nZ=1

1	1	4	4	4
3	1	1	2	4
3	2	2	2	5
3	3	5	5	5

nR=0
nS=0
nT=0
nL=2
nZ=3

5	5	1	1	4
5	1	1	4	4
5	2	2	4	3
2	2	3	3	3

Iteration number: 7
Board size: 4x6
Average IDP call: 763.092s
Number packable: 8 out of 41
Total time taken: 35672.843s

nR=6
nS=0
nT=0
nL=0
nZ=0

6	2	1	3	4	5
6	2	1	3	4	5
6	2	1	3	4	5
6	2	1	3	4	5

nR=4
nS=2
nT=0
nL=0
nZ=0

4	1	1	2	6	3
4	1	1	2	6	3
4	5	5	2	6	3
4	5	5	2	6	3

nR=4
nS=0
nT=0
nL=2
nZ=0

5	4	2	1	6	6
5	4	2	1	3	6
5	4	2	1	3	6
5	4	2	1	3	3

nR=3
nS=1
nT=0
nL=2
nZ=0

3	5	1	6	6	6
3	5	1	6	2	2
3	5	1	4	4	2
3	5	1	4	4	2

nR=3
nS=0
nT=2
nL=1
nZ=0

1	2	3	4	6	6
1	2	3	4	4	6
1	2	3	4	5	6
1	2	3	5	5	5

nR=3
nS=0
nT=2
nL=0
nZ=1

5	5	5	5	2	1
3	4	4	2	2	1
3	3	4	4	2	1
3	6	6	6	6	1

nR=3
nS=0
nT=0
nL=2
nZ=1

3	1	1	2	5	4
3	3	1	2	5	4
6	3	1	2	5	4
6	6	6	2	5	4

nR=2
nS=4
nT=0
nL=0
nZ=0

2	5	5	1	1	4
2	5	5	1	1	4
2	6	6	3	3	4
2	6	6	3	3	4

Program was aborted before all compositions of the last iteration could complete