

Minor Penta + 7

Root ~

1,b3,4,5,b7,7	1,4,b3,5,b7,7	1,5,b3,4,b7,7	1,b7,b3,4,5,7	1,7,b3,4,5,b7
1,b3,4,5,7,b7	1,4,b3,5,7,b7	1,5,b3,4,7,b7	1,b7,b3,4,7,5	1,7,b3,4,b7,5
1,b3,4,b7,5,7	1,4,b3,b7,5,7	1,5,b3,b7,4,7	1,b7,b3,5,4,7	1,7,b3,5,4,b7
1,b3,4,b7,7,5	1,4,b3,b7,7,5	1,5,b3,b7,7,4	1,b7,b3,5,7,4	1,7,b3,5,b7,4
1,b3,4,7,5,b7	1,4,b3,7,5,b7	1,5,b3,7,4,b7	1,b7,b3,7,4,5	1,7,b3,b7,4,5
1,b3,4,7,b7,5	1,4,b3,7,b7,5	1,5,b3,7,b7,4	1,b7,b3,7,5,4	1,7,b3,b7,5,4

1,b3,5,4,b7,7	1,4,5,b3,b7,7	1,5,4,b3,b7,7	1,b7,4,b3,5,7	1,7,4,b3,5,b7
1,b3,5,4,7,b7	1,4,5,b3,7,b7	1,5,4,b3,7,b7	1,b7,4,b3,7,5	1,7,4,b3,b7,5
1,b3,5,b7,4,7	1,4,5,b7,b3,7	1,5,4,b7,b3,7	1,b7,4,5,b3,7	1,7,4,5,b3,b7
1,b3,5,b7,7,4	1,4,5,b7,7,b3	1,5,4,b7,7,b3	1,b7,4,5,7,b3	1,7,4,5,b7,b3
1,b3,5,7,4,b7	1,4,5,7,b3,b7	1,5,4,7,b3,b7	1,b7,4,7,b3,5	1,7,4,b7,b3,5
1,b3,5,7,b7,4	1,4,5,7,b7,b3	1,5,4,7,b7,b3	1,b7,4,7,5,b3	1,7,4,b7,5,b3

1,b3,b7,4,5,7	1,4,b7,b3,5,7	1,5,b7,b3,4,7	1,b7,5,b3,4,7	1,7,5,b3,4,b7
1,b3,b7,4,7,5	1,4,b7,b3,7,5	1,5,b7,b3,7,4	1,b7,5,b3,7,4	1,7,5,b3,b7,4
1,b3,b7,5,4,7	1,4,b7,5,b3,7	1,5,b7,4,b3,7	1,b7,5,4,b3,7	1,7,5,4,b3,b7
1,b3,b7,5,7,4	1,4,b7,5,7,b3	1,5,b7,4,7,b3	1,b7,5,4,7,b3	1,7,5,4,b7,b3
1,b3,b7,7,4,5	1,4,b7,7,b3,5	1,5,b7,7,b3,4	1,b7,5,7,b3,4	1,7,5,b7,b3,4
1,b3,b7,7,5,4	1,4,b7,7,5,b3	1,5,b7,7,4,b3	1,b7,5,7,4,b3	1,7,5,b7,4,b3

1,b3,7,4,5,b7	1,4,7,b3,5,b7	1,5,7,b3,4,b7	1,b7,7,b3,4,5	1,7,b7,b3,4,5
1,b3,7,4,b7,5	1,4,7,b3,b7,5	1,5,7,b3,b7,4	1,b7,7,b3,5,4	1,7,b7,b3,5,4
1,b3,7,5,4,b7	1,4,7,5,b3,b7	1,5,7,4,b3,b7	1,b7,7,4,b3,5	1,7,b7,4,b3,5
1,b3,7,5,b7,4	1,4,7,5,b7,b3	1,5,7,4,b7,b3	1,b7,7,4,5,b3	1,7,b7,4,5,b3
1,b3,7,b7,4,5	1,4,7,b7,b3,5	1,5,7,b7,b3,4	1,b7,7,5,b3,4	1,7,b7,5,b3,4
1,b3,7,b7,5,4	1,4,7,b7,5,b3	1,5,7,b7,4,b3	1,b7,7,5,4,b3	1,7,b7,5,4,b3

Minor Penta + 7

b3rd~

b3,1,5,b7,7,4	b3,5,1,b7,7,4	b3,b7,1,5,7,4	b3,7,1,5,b7,4	b3,4,1,5,b7,7
b3,1,5,b7,4,7	b3,5,1,b7,4,7	b3,b7,1,5,4,7	b3,7,1,5,4,b7	b3,4,1,5,7,b7
b3,1,5,7,b7,4	b3,5,1,7,b7,4	b3,b7,1,7,5,4	b3,7,1,b7,5,4	b3,4,1,b7,5,7
b3,1,5,7,4,b7	b3,5,1,7,4,b7	b3,b7,1,7,4,5	b3,7,1,b7,4,5	b3,4,1,b7,7,5
b3,1,5,4,b7,7	b3,5,1,4,b7,7	b3,b7,1,4,5,7	b3,7,1,4,5,b7	b3,4,1,7,5,b7
b3,1,5,4,7,b7	b3,5,1,4,7,b7	b3,b7,1,4,7,5	b3,7,1,4,b7,5	b3,4,1,7,b7,5

b3,1,b7,5,7,4	b3,5,b7,1,7,4	b3,b7,5,1,7,4	b3,7,5,1,b7,4	b3,4,5,1,b7,7
b3,1,b7,5,4,7	b3,5,b7,1,4,7	b3,b7,5,1,4,7	b3,7,5,1,4,b7	b3,4,5,1,7,b7
b3,1,b7,7,5,4	b3,5,b7,7,1,4	b3,b7,5,7,1,4	b3,7,5,b7,1,4	b3,4,5,b7,1,7
b3,1,b7,7,4,5	b3,5,b7,7,4,1	b3,b7,5,7,4,1	b3,7,5,b7,4,1	b3,4,5,b7,7,1
b3,1,b7,4,5,7	b3,5,b7,4,1,7	b3,b7,5,4,1,7	b3,7,5,4,1,b7	b3,4,5,7,1,b7
b3,1,b7,4,7,5	b3,5,b7,4,7,1	b3,b7,5,4,7,1	b3,7,5,4,b7,1	b3,4,5,7,b7,1

b3,1,7,5,b7,4	b3,5,7,1,b7,4	b3,b7,7,1,5,4	b3,7,b7,1,5,4	b3,4,b7,1,5,7
b3,1,7,5,4,b7	b3,5,7,1,4,b7	b3,b7,7,1,4,5	b3,7,b7,1,4,5	b3,4,b7,1,7,5
b3,1,7,b7,5,4	b3,5,7,b7,1,4	b3,b7,7,5,1,4	b3,7,b7,5,1,4	b3,4,b7,5,1,7
b3,1,7,b7,4,5	b3,5,7,b7,4,1	b3,b7,7,5,4,1	b3,7,b7,5,4,1	b3,4,b7,5,7,1
b3,1,7,4,5,b7	b3,5,7,4,1,b7	b3,b7,7,4,1,5	b3,7,b7,4,1,5	b3,4,b7,7,1,5
b3,1,7,4,b7,5	b3,5,7,4,b7,1	b3,b7,7,4,5,1	b3,7,b7,4,5,1	b3,4,b7,7,5,1

b3,1,4,5,b7,7	b3,5,4,1,b7,7	b3,b7,4,1,5,7	b3,7,4,1,5,b7	b3,4,7,1,5,b7
b3,1,4,5,7,b7	b3,5,4,1,7,b7	b3,b7,4,1,7,5	b3,7,4,1,b7,5	b3,4,7,1,b7,5
b3,1,4,b7,5,7	b3,5,4,b7,1,7	b3,b7,4,5,1,7	b3,7,4,5,1,b7	b3,4,7,5,1,b7
b3,1,4,b7,7,5	b3,5,4,b7,7,1	b3,b7,4,5,7,1	b3,7,4,5,b7,1	b3,4,7,5,b7,1
b3,1,4,7,5,b7	b3,5,4,7,1,b7	b3,b7,4,7,1,5	b3,7,4,b7,1,5	b3,4,7,b7,1,5
b3,1,4,7,b7,5	b3,5,4,7,b7,1	b3,b7,4,7,5,1	b3,7,4,b7,5,1	b3,4,7,b7,5,1

Minor Penta + 7

4th~

4,1,b3,5,b7,7	4,b3,1,5,b7,7	4,5,1,b3,b7,7	4,b7,1,b3,5,7	4,7,1,b3,5,b7
4,1,b3,5,7,b7	4,b3,1,5,7,b7	4,5,1,b3,7,b7	4,b7,1,b3,7,5	4,7,1,b3,b7,5
4,1,b3,b7,5,7	4,b3,1,b7,5,7	4,5,1,b7,b3,7	4,b7,1,5,b3,7	4,7,1,5,b3,b7
4,1,b3,b7,7,5	4,b3,1,b7,7,5	4,5,1,b7,7,b3	4,b7,1,5,7,b3	4,7,1,5,b7,b3
4,1,b3,7,5,b7	4,b3,1,7,5,b7	4,5,1,7,b3,b7	4,b7,1,7,b3,5	4,7,1,b7,b3,5
4,1,b3,7,b7,5	4,b3,1,7,b7,5	4,5,1,7,b7,b3	4,b7,1,7,5,b3	4,7,1,b7,5,b3

4,1,5,b3,b7,7	4,b3,5,1,b7,7	4,5,b3,1,b7,7	4,b7,b3,1,5,7	4,7,b3,1,5,b7
4,1,5,b3,7,b7	4,b3,5,1,7,b7	4,5,b3,1,7,b7	4,b7,b3,1,7,5	4,7,b3,1,b7,5
4,1,5,b7,b3,7	4,b3,5,b7,1,7	4,5,b3,b7,1,7	4,b7,b3,5,1,7	4,7,b3,5,1,b7
4,1,5,b7,7,b3	4,b3,5,b7,7,1	4,5,b3,b7,7,1	4,b7,b3,5,7,1	4,7,b3,5,b7,1
4,1,5,7,b3,b7	4,b3,5,7,1,b7	4,5,b3,7,1,b7	4,b7,b3,7,1,5	4,7,b3,b7,1,5
4,1,5,7,b7,b3	4,b3,5,7,b7,1	4,5,b3,7,b7,1	4,b7,b3,7,5,1	4,7,b3,b7,5,1

4,1,b7,b3,5,7	4,b3,b7,1,5,7	4,5,b7,1,b3,7	4,b7,5,1,b3,7	4,7,5,1,b3,b7
4,1,b7,b3,7,5	4,b3,b7,1,7,5	4,5,b7,1,7,b3	4,b7,5,1,7,b3	4,7,5,1,b7,b3
4,1,b7,5,b3,7	4,b3,b7,5,1,7	4,5,b7,b3,1,7	4,b7,5,b3,1,7	4,7,5,b3,1,b7
4,1,b7,5,7,b3	4,b3,b7,5,7,1	4,5,b7,b3,7,1	4,b7,5,b3,7,1	4,7,5,b3,b7,1
4,1,b7,7,b3,5	4,b3,b7,7,1,5	4,5,b7,7,1,b3	4,b7,5,7,1,b3	4,7,5,b7,1,b3
4,1,b7,7,5,b3	4,b3,b7,7,5,1	4,5,b7,7,b3,1	4,b7,5,7,b3,1	4,7,5,b7,b3,1

4,1,7,b3,5,b7	4,b3,7,1,5,b7	4,5,7,1,b3,b7	4,b7,7,1,b3,5	4,7,b7,1,b3,5
4,1,7,b3,b7,5	4,b3,7,1,b7,5	4,5,7,1,b7,b3	4,b7,7,1,5,b3	4,7,b7,1,5,b3
4,1,7,5,b3,b7	4,b3,7,5,1,b7	4,5,7,b3,1,b7	4,b7,7,b3,1,5	4,7,b7,b3,1,5
4,1,7,5,b7,b3	4,b3,7,5,b7,1	4,5,7,b3,b7,1	4,b7,7,b3,5,1	4,7,b7,b3,5,1
4,1,7,b7,b3,5	4,b3,7,b7,1,5	4,5,7,b7,1,b3	4,b7,7,5,1,b3	4,7,b7,5,1,b3
4,1,7,b7,5,b3	4,b3,7,b7,5,1	4,5,7,b7,b3,1	4,b7,7,5,b3,1	4,7,b7,5,b3,1

Minor Penta + 7

5th~

5,1,b3,4,b7,7	5,b3,1,4,b7,7	5,4,1,b3,b7,7	5,b7,1,b3,4,7	5,7,1,b3,4,b7
5,1,b3,4,7,b7	5,b3,1,4,7,b7	5,4,1,b3,7,b7	5,b7,1,b3,7,4	5,7,1,b3,b7,4
5,1,b3,b7,4,7	5,b3,1,b7,4,7	5,4,1,b7,b3,7	5,b7,1,4,b3,7	5,7,1,4,b3,b7
5,1,b3,b7,7,4	5,b3,1,b7,7,4	5,4,1,b7,7,b3	5,b7,1,4,7,b3	5,7,1,4,b7,b3
5,1,b3,7,4,b7	5,b3,1,7,4,b7	5,4,1,7,b3,b7	5,b7,1,7,b3,4	5,7,1,b7,b3,4
5,1,b3,7,b7,4	5,b3,1,7,b7,4	5,4,1,7,b7,b3	5,b7,1,7,4,b3	5,7,1,b7,4,b3

5,1,4,b3,b7,7	5,b3,4,1,b7,7	5,4,b3,1,b7,7	5,b7,b3,1,4,7	5,7,b3,1,4,b7
5,1,4,b3,7,b7	5,b3,4,1,7,b7	5,4,b3,1,7,b7	5,b7,b3,1,7,4	5,7,b3,1,b7,4
5,1,4,b7,b3,7	5,b3,4,b7,1,7	5,4,b3,b7,1,7	5,b7,b3,4,1,7	5,7,b3,4,1,b7
5,1,4,b7,7,b3	5,b3,4,b7,7,1	5,4,b3,b7,7,1	5,b7,b3,4,7,1	5,7,b3,4,b7,1
5,1,4,7,b3,b7	5,b3,4,7,1,b7	5,4,b3,7,1,b7	5,b7,b3,7,1,4	5,7,b3,b7,1,4
5,1,4,7,b7,b3	5,b3,4,7,b7,1	5,4,b3,7,b7,1	5,b7,b3,7,4,1	5,7,b3,b7,4,1

5,1,b7,b3,4,7	5,b3,b7,1,4,7	5,4,b7,1,b3,7	5,b7,4,1,b3,7	5,7,4,1,b3,b7
5,1,b7,b3,7,4	5,b3,b7,1,7,4	5,4,b7,1,7,b3	5,b7,4,1,7,b3	5,7,4,1,b7,b3
5,1,b7,4,b3,7	5,b3,b7,4,1,7	5,4,b7,b3,1,7	5,b7,4,b3,1,7	5,7,4,b3,1,b7
5,1,b7,4,7,b3	5,b3,b7,4,7,1	5,4,b7,b3,7,1	5,b7,4,b3,7,1	5,7,4,b3,b7,1
5,1,b7,7,b3,4	5,b3,b7,7,1,4	5,4,b7,7,1,b3	5,b7,4,7,1,b3	5,7,4,b7,1,b3
5,1,b7,7,4,b3	5,b3,b7,7,4,1	5,4,b7,7,b3,1	5,b7,4,7,b3,1	5,7,4,b7,b3,1

5,1,7,b3,4,b7	5,b3,7,1,4,b7	5,4,7,1,b3,b7	5,b7,7,1,b3,4	5,7,b7,1,b3,4
5,1,7,b3,b7,4	5,b3,7,1,b7,4	5,4,7,1,b7,b3	5,b7,7,1,4,b3	5,7,b7,1,4,b3
5,1,7,4,b3,b7	5,b3,7,4,1,b7	5,4,7,b3,1,b7	5,b7,7,b3,1,4	5,7,b7,b3,1,4
5,1,7,4,b7,b3	5,b3,7,4,b7,1	5,4,7,b3,b7,1	5,b7,7,b3,4,1	5,7,b7,b3,4,1
5,1,7,b7,b3,4	5,b3,7,b7,1,4	5,4,7,b7,1,b3	5,b7,7,4,1,b3	5,7,b7,4,1,b3
5,1,7,b7,4,b3	5,b3,7,b7,4,1	5,4,7,b7,b3,1	5,b7,7,4,b3,1	5,7,b7,4,b3,1

Minor Penta + 7

b7th~

b7,1,b3,4,5,7	b7,b3,1,4,5,7	b7,4,1,b3,5,7	b7,5,1,b3,4,7	b7,7,1,b3,4,5
b7,1,b3,4,7,5	b7,b3,1,4,7,5	b7,4,1,b3,7,5	b7,5,1,b3,7,4	b7,7,1,b3,5,4
b7,1,b3,5,4,7	b7,b3,1,5,4,7	b7,4,1,5,b3,7	b7,5,1,4,b3,7	b7,7,1,4,b3,5
b7,1,b3,5,7,4	b7,b3,1,5,7,4	b7,4,1,5,7,b3	b7,5,1,4,7,b3	b7,7,1,4,5,b3
b7,1,b3,7,4,5	b7,b3,1,7,4,5	b7,4,1,7,b3,5	b7,5,1,7,b3,4	b7,7,1,5,b3,4
b7,1,b3,7,5,4	b7,b3,1,7,5,4	b7,4,1,7,5,b3	b7,5,1,7,4,b3	b7,7,1,5,4,b3

b7,1,4,b3,5,7	b7,b3,4,1,5,7	b7,4,b3,1,5,7	b7,5,b3,1,4,7	b7,7,b3,1,4,5
b7,1,4,b3,7,5	b7,b3,4,1,7,5	b7,4,b3,1,7,5	b7,5,b3,1,7,4	b7,7,b3,1,5,4
b7,1,4,5,b3,7	b7,b3,4,5,1,7	b7,4,b3,5,1,7	b7,5,b3,4,1,7	b7,7,b3,4,1,5
b7,1,4,5,7,b3	b7,b3,4,5,7,1	b7,4,b3,5,7,1	b7,5,b3,4,7,1	b7,7,b3,4,5,1
b7,1,4,7,b3,5	b7,b3,4,7,1,5	b7,4,b3,7,1,5	b7,5,b3,7,1,4	b7,7,b3,5,1,4
b7,1,4,7,5,b3	b7,b3,4,7,5,1	b7,4,b3,7,5,1	b7,5,b3,7,4,1	b7,7,b3,5,4,1

b7,1,5,b3,4,7	b7,b3,5,1,4,7	b7,4,5,1,b3,7	b7,5,4,1,b3,7	b7,7,4,1,b3,5
b7,1,5,b3,7,4	b7,b3,5,1,7,4	b7,4,5,1,7,b3	b7,5,4,1,7,b3	b7,7,4,1,5,b3
b7,1,5,4,b3,7	b7,b3,5,4,1,7	b7,4,5,b3,1,7	b7,5,4,b3,1,7	b7,7,4,b3,1,5
b7,1,5,4,7,b3	b7,b3,5,4,7,1	b7,4,5,b3,7,1	b7,5,4,b3,7,1	b7,7,4,b3,5,1
b7,1,5,7,b3,4	b7,b3,5,7,1,4	b7,4,5,7,1,b3	b7,5,4,7,1,b3	b7,7,4,5,1,b3
b7,1,5,7,4,b3	b7,b3,5,7,4,1	b7,4,5,7,b3,1	b7,5,4,7,b3,1	b7,7,4,5,b3,1

b7,1,7,b3,4,5	b7,b3,7,1,4,5	b7,4,7,1,b3,5	b7,5,7,1,b3,4	b7,7,5,1,b3,4
b7,1,7,b3,5,4	b7,b3,7,1,5,4	b7,4,7,1,5,b3	b7,5,7,1,4,b3	b7,7,5,1,4,b3
b7,1,7,4,b3,5	b7,b3,7,4,1,5	b7,4,7,b3,1,5	b7,5,7,b3,1,4	b7,7,5,b3,1,4
b7,1,7,4,5,b3	b7,b3,7,4,5,1	b7,4,7,b3,5,1	b7,5,7,b3,4,1	b7,7,5,b3,4,1
b7,1,7,5,b3,4	b7,b3,7,5,1,4	b7,4,7,5,1,b3	b7,5,7,4,1,b3	b7,7,5,4,1,b3
b7,1,7,5,4,b3	b7,b3,7,5,4,1	b7,4,7,5,b3,1	b7,5,7,4,b3,1	b7,7,5,4,b3,1

Minor Penta + 7

7th~

7,1,b3,4,5,b7	7,b3,1,4,5,b7	7,4,1,b3,5,b7	7,5,1,b3,4,b7	7,b7,1,b3,4,5
7,1,b3,4,b7,5	7,b3,1,4,b7,5	7,4,1,b3,b7,5	7,5,1,b3,b7,4	7,b7,1,b3,5,4
7,1,b3,5,4,b7	7,b3,1,5,4,b7	7,4,1,5,b3,b7	7,5,1,4,b3,b7	7,b7,1,4,b3,5
7,1,b3,5,b7,4	7,b3,1,5,b7,4	7,4,1,5,b7,b3	7,5,1,4,b7,b3	7,b7,1,4,5,b3
7,1,b3,b7,4,5	7,b3,1,b7,4,5	7,4,1,b7,b3,5	7,5,1,b7,b3,4	7,b7,1,5,b3,4
7,1,b3,b7,5,4	7,b3,1,b7,5,4	7,4,1,b7,5,b3	7,5,1,b7,4,b3	7,b7,1,5,4,b3

7,1,4,b3,5,b7	7,b3,4,1,5,b7	7,4,b3,1,5,b7	7,5,b3,1,4,b7	7,b7,b3,1,4,5
7,1,4,b3,b7,5	7,b3,4,1,b7,5	7,4,b3,1,b7,5	7,5,b3,1,b7,4	7,b7,b3,1,5,4
7,1,4,5,b3,b7	7,b3,4,5,1,b7	7,4,b3,5,1,b7	7,5,b3,4,1,b7	7,b7,b3,4,1,5
7,1,4,5,b7,b3	7,b3,4,5,b7,1	7,4,b3,5,b7,1	7,5,b3,4,b7,1	7,b7,b3,4,5,1
7,1,4,b7,b3,5	7,b3,4,b7,1,5	7,4,b3,b7,1,5	7,5,b3,b7,1,4	7,b7,b3,5,1,4
7,1,4,b7,5,b3	7,b3,4,b7,5,1	7,4,b3,b7,5,1	7,5,b3,b7,4,1	7,b7,b3,5,4,1

7,1,5,b3,4,b7	7,b3,5,1,4,b7	7,4,5,1,b3,b7	7,5,4,1,b3,b7	7,b7,4,1,b3,5
7,1,5,b3,b7,4	7,b3,5,1,b7,4	7,4,5,1,b7,b3	7,5,4,1,b7,b3	7,b7,4,1,5,b3
7,1,5,4,b3,b7	7,b3,5,4,1,b7	7,4,5,b3,1,b7	7,5,4,b3,1,b7	7,b7,4,b3,1,5
7,1,5,4,b7,b3	7,b3,5,4,b7,1	7,4,5,b3,b7,1	7,5,4,b3,b7,1	7,b7,4,b3,5,1
7,1,5,b7,b3,4	7,b3,5,b7,1,4	7,4,5,b7,1,b3	7,5,4,b7,1,b3	7,b7,4,5,1,b3
7,1,5,b7,4,b3	7,b3,5,b7,4,1	7,4,5,b7,b3,1	7,5,4,b7,b3,1	7,b7,4,5,b3,1

7,1,b7,b3,4,5	7,b3,b7,1,4,5	7,4,b7,1,b3,5	7,5,b7,1,b3,4	7,b7,5,1,b3,4
7,1,b7,b3,5,4	7,b3,b7,1,5,4	7,4,b7,1,5,b3	7,5,b7,1,4,b3	7,b7,5,1,4,b3
7,1,b7,4,b3,5	7,b3,b7,4,1,5	7,4,b7,b3,1,5	7,5,b7,b3,1,4	7,b7,5,b3,1,4
7,1,b7,4,5,b3	7,b3,b7,4,5,1	7,4,b7,b3,5,1	7,5,b7,b3,4,1	7,b7,5,b3,4,1
7,1,b7,5,b3,4	7,b3,b7,5,1,4	7,4,b7,5,1,b3	7,5,b7,4,1,b3	7,b7,5,4,1,b3
7,1,b7,5,4,b3	7,b3,b7,5,4,1	7,4,b7,5,b3,1	7,5,b7,4,b3,1	7,b7,5,4,b3,1