

Minor Penta + 3

Root~

1,b3,3,4,5,b7	1,3,b3,4,5,b7	1,4,b3,3,5,b7	1,5,b3,3,4,b7	1,b7,b3,3,4,5
1,b3,3,4,b7,5	1,3,b3,4,b7,5	1,4,b3,3,b7,5	1,5,b3,3,b7,4	1,b7,b3,3,5,4
1,b3,3,5,4,b7	1,3,b3,5,4,b7	1,4,b3,5,3,b7	1,5,b3,4,3,b7	1,b7,b3,4,3,5
1,b3,3,5,b7,4	1,3,b3,5,b7,4	1,4,b3,5,b7,3	1,5,b3,4,b7,3	1,b7,b3,4,5,3
1,b3,3,b7,4,5	1,3,b3,b7,4,5	1,4,b3,b7,3,5	1,5,b3,b7,3,4	1,b7,b3,5,3,4
1,b3,3,b7,5,4	1,3,b3,b7,5,4	1,4,b3,b7,5,3	1,5,b3,b7,4,3	1,b7,b3,5,4,3

1,b3,4,3,5,b7	1,3,4,b3,5,b7	1,4,3,b3,5,b7	1,5,3,b3,4,b7	1,b7,3,b3,4,5
1,b3,4,3,b7,5	1,3,4,b3,b7,5	1,4,3,b3,b7,5	1,5,3,b3,b7,4	1,b7,3,b3,5,4
1,b3,4,5,3,b7	1,3,4,5,b3,b7	1,4,3,5,b3,b7	1,5,3,4,b3,b7	1,b7,3,4,b3,5
1,b3,4,5,b7,3	1,3,4,5,b7,b3	1,4,3,5,b7,b3	1,5,3,4,b7,b3	1,b7,3,4,5,b3
1,b3,4,b7,3,5	1,3,4,b7,b3,5	1,4,3,b7,b3,5	1,5,3,b7,b3,4	1,b7,3,5,b3,4
1,b3,4,b7,5,3	1,3,4,b7,5,b3	1,4,3,b7,5,b3	1,5,3,b7,4,b3	1,b7,3,5,4,b3

1,b3,5,3,4,b7	1,3,5,b3,4,b7	1,4,5,b3,3,b7	1,5,4,b3,3,b7	1,b7,4,b3,3,5
1,b3,5,3,b7,4	1,3,5,b3,b7,4	1,4,5,b3,b7,3	1,5,4,b3,b7,3	1,b7,4,b3,5,3
1,b3,5,4,3,b7	1,3,5,4,b3,b7	1,4,5,3,b3,b7	1,5,4,3,b3,b7	1,b7,4,3,b3,5
1,b3,5,4,b7,3	1,3,5,4,b7,b3	1,4,5,3,b7,b3	1,5,4,3,b7,b3	1,b7,4,3,5,b3
1,b3,5,b7,3,4	1,3,5,b7,b3,4	1,4,5,b7,b3,3	1,5,4,b7,b3,3	1,b7,4,5,b3,3
1,b3,5,b7,4,3	1,3,5,b7,4,b3	1,4,5,b7,3,b3	1,5,4,b7,3,b3	1,b7,4,5,3,b3

1,b3,b7,3,4,5	1,3,b7,b3,4,5	1,4,b7,b3,3,5	1,5,b7,b3,3,4	1,b7,5,b3,3,4
1,b3,b7,3,5,4	1,3,b7,b3,5,4	1,4,b7,b3,5,3	1,5,b7,b3,4,3	1,b7,5,b3,4,3
1,b3,b7,4,3,5	1,3,b7,4,b3,5	1,4,b7,3,b3,5	1,5,b7,3,b3,4	1,b7,5,3,b3,4
1,b3,b7,4,5,3	1,3,b7,4,5,b3	1,4,b7,3,5,b3	1,5,b7,3,4,b3	1,b7,5,3,4,b3
1,b3,b7,5,3,4	1,3,b7,5,b3,4	1,4,b7,5,b3,3	1,5,b7,4,b3,3	1,b7,5,4,b3,3
1,b3,b7,5,4,3	1,3,b7,5,4,b3	1,4,b7,5,3,b3	1,5,b7,4,3,b3	1,b7,5,4,3,b3

Minor Penta + 3

b3rd~

b3,1,4,5,b7,3	b3,4,1,5,b7,3	b3,5,1,4,b7,3	b3,b7,1,4,5,3	b3,3,1,4,5,b7
b3,1,4,5,3,b7	b3,4,1,5,3,b7	b3,5,1,4,3,b7	b3,b7,1,4,3,5	b3,3,1,4,b7,5
b3,1,4,b7,5,3	b3,4,1,b7,5,3	b3,5,1,b7,4,3	b3,b7,1,5,4,3	b3,3,1,5,4,b7
b3,1,4,b7,3,5	b3,4,1,b7,3,5	b3,5,1,b7,3,4	b3,b7,1,5,3,4	b3,3,1,5,b7,4
b3,1,4,3,5,b7	b3,4,1,3,5,b7	b3,5,1,3,4,b7	b3,b7,1,3,4,5	b3,3,1,b7,4,5
b3,1,4,3,b7,5	b3,4,1,3,b7,5	b3,5,1,3,b7,4	b3,b7,1,3,5,4	b3,3,1,b7,5,4

b3,1,5,4,b7,3	b3,4,5,1,b7,3	b3,5,4,1,b7,3	b3,b7,4,1,5,3	b3,3,4,1,5,b7
b3,1,5,4,3,b7	b3,4,5,1,3,b7	b3,5,4,1,3,b7	b3,b7,4,1,3,5	b3,3,4,1,b7,5
b3,1,5,b7,4,3	b3,4,5,b7,1,3	b3,5,4,b7,1,3	b3,b7,4,5,1,3	b3,3,4,5,1,b7
b3,1,5,b7,3,4	b3,4,5,b7,3,1	b3,5,4,b7,3,1	b3,b7,4,5,3,1	b3,3,4,5,b7,1
b3,1,5,3,4,b7	b3,4,5,3,1,b7	b3,5,4,3,1,b7	b3,b7,4,3,1,5	b3,3,4,b7,1,5
b3,1,5,3,b7,4	b3,4,5,3,b7,1	b3,5,4,3,b7,1	b3,b7,4,3,5,1	b3,3,4,b7,5,1

b3,1,b7,4,5,3	b3,4,b7,1,5,3	b3,5,b7,1,4,3	b3,b7,5,1,4,3	b3,3,5,1,4,b7
b3,1,b7,4,3,5	b3,4,b7,1,3,5	b3,5,b7,1,3,4	b3,b7,5,1,3,4	b3,3,5,1,b7,4
b3,1,b7,5,4,3	b3,4,b7,5,1,3	b3,5,b7,4,1,3	b3,b7,5,4,1,3	b3,3,5,4,1,b7
b3,1,b7,5,3,4	b3,4,b7,5,3,1	b3,5,b7,4,3,1	b3,b7,5,4,3,1	b3,3,5,4,b7,1
b3,1,b7,3,4,5	b3,4,b7,3,1,5	b3,5,b7,3,1,4	b3,b7,5,3,1,4	b3,3,5,b7,1,4
b3,1,b7,3,5,4	b3,4,b7,3,5,1	b3,5,b7,3,4,1	b3,b7,5,3,4,1	b3,3,5,b7,4,1

b3,1,3,4,5,b7	b3,4,3,1,5,b7	b3,5,3,1,4,b7	b3,b7,3,1,4,5	b3,3,b7,1,4,5
b3,1,3,4,b7,5	b3,4,3,1,b7,5	b3,5,3,1,b7,4	b3,b7,3,1,5,4	b3,3,b7,1,5,4
b3,1,3,5,4,b7	b3,4,3,5,1,b7	b3,5,3,4,1,b7	b3,b7,3,4,1,5	b3,3,b7,4,1,5
b3,1,3,5,b7,4	b3,4,3,5,b7,1	b3,5,3,4,b7,1	b3,b7,3,4,5,1	b3,3,b7,4,5,1
b3,1,3,b7,4,5	b3,4,3,b7,1,5	b3,5,3,b7,1,4	b3,b7,3,5,1,4	b3,3,b7,5,1,4
b3,1,3,b7,5,4	b3,4,3,b7,5,1	b3,5,3,b7,4,1	b3,b7,3,5,4,1	b3,3,b7,5,4,1

Minor Penta + 3

3rd~

3,1,b3,4,5,b7	3,b3,1,4,5,b7	3,4,1,b3,5,b7	3,5,1,b3,4,b7	3,b7,1,b3,4,5
3,1,b3,4,b7,5	3,b3,1,4,b7,5	3,4,1,b3,b7,5	3,5,1,b3,b7,4	3,b7,1,b3,5,4
3,1,b3,5,4,b7	3,b3,1,5,4,b7	3,4,1,5,b3,b7	3,5,1,4,b3,b7	3,b7,1,4,b3,5
3,1,b3,5,b7,4	3,b3,1,5,b7,4	3,4,1,5,b7,b3	3,5,1,4,b7,b3	3,b7,1,4,5,b3
3,1,b3,b7,4,5	3,b3,1,b7,4,5	3,4,1,b7,b3,5	3,5,1,b7,b3,4	3,b7,1,5,b3,4
3,1,b3,b7,5,4	3,b3,1,b7,5,4	3,4,1,b7,5,b3	3,5,1,b7,4,b3	3,b7,1,5,4,b3

3,1,4,b3,5,b7	3,b3,4,1,5,b7	3,4,b3,1,5,b7	3,5,b3,1,4,b7	3,b7,b3,1,4,5
3,1,4,b3,b7,5	3,b3,4,1,b7,5	3,4,b3,1,b7,5	3,5,b3,1,b7,4	3,b7,b3,1,5,4
3,1,4,5,b3,b7	3,b3,4,5,1,b7	3,4,b3,5,1,b7	3,5,b3,4,1,b7	3,b7,b3,4,1,5
3,1,4,5,b7,b3	3,b3,4,5,b7,1	3,4,b3,5,b7,1	3,5,b3,4,b7,1	3,b7,b3,4,5,1
3,1,4,b7,b3,5	3,b3,4,b7,1,5	3,4,b3,b7,1,5	3,5,b3,b7,1,4	3,b7,b3,5,1,4
3,1,4,b7,5,b3	3,b3,4,b7,5,1	3,4,b3,b7,5,1	3,5,b3,b7,4,1	3,b7,b3,5,4,1

3,1,5,b3,4,b7	3,b3,5,1,4,b7	3,4,5,1,b3,b7	3,5,4,1,b3,b7	3,b7,4,1,b3,5
3,1,5,b3,b7,4	3,b3,5,1,b7,4	3,4,5,1,b7,b3	3,5,4,1,b7,b3	3,b7,4,1,5,b3
3,1,5,4,b3,b7	3,b3,5,4,1,b7	3,4,5,b3,1,b7	3,5,4,b3,1,b7	3,b7,4,b3,1,5
3,1,5,4,b7,b3	3,b3,5,4,b7,1	3,4,5,b3,b7,1	3,5,4,b3,b7,1	3,b7,4,b3,5,1
3,1,5,b7,b3,4	3,b3,5,b7,1,4	3,4,5,b7,1,b3	3,5,4,b7,1,b3	3,b7,4,5,1,b3
3,1,5,b7,4,b3	3,b3,5,b7,4,1	3,4,5,b7,b3,1	3,5,4,b7,b3,1	3,b7,4,5,b3,1

3,1,b7,b3,4,5	3,b3,b7,1,4,5	3,4,b7,1,b3,5	3,5,b7,1,b3,4	3,b7,5,1,b3,4
3,1,b7,b3,5,4	3,b3,b7,1,5,4	3,4,b7,1,5,b3	3,5,b7,1,4,b3	3,b7,5,1,4,b3
3,1,b7,4,b3,5	3,b3,b7,4,1,5	3,4,b7,b3,1,5	3,5,b7,b3,1,4	3,b7,5,b3,1,4
3,1,b7,4,5,b3	3,b3,b7,4,5,1	3,4,b7,b3,5,1	3,5,b7,b3,4,1	3,b7,5,b3,4,1
3,1,b7,5,b3,4	3,b3,b7,5,1,4	3,4,b7,5,1,b3	3,5,b7,4,1,b3	3,b7,5,4,1,b3
3,1,b7,5,4,b3	3,b3,b7,5,4,1	3,4,b7,5,b3,1	3,5,b7,4,b3,1	3,b7,5,4,b3,1

Minor Penta + 3

4th~

4,1,b3,3,5,b7	4,b3,1,3,5,b7	4,3,1,b3,5,b7	4,5,1,b3,3,b7	4,b7,1,b3,3,5
4,1,b3,3,b7,5	4,b3,1,3,b7,5	4,3,1,b3,b7,5	4,5,1,b3,b7,3	4,b7,1,b3,5,3
4,1,b3,5,3,b7	4,b3,1,5,3,b7	4,3,1,5,b3,b7	4,5,1,3,b3,b7	4,b7,1,3,b3,5
4,1,b3,5,b7,3	4,b3,1,5,b7,3	4,3,1,5,b7,b3	4,5,1,3,b7,b3	4,b7,1,3,5,b3
4,1,b3,b7,3,5	4,b3,1,b7,3,5	4,3,1,b7,b3,5	4,5,1,b7,b3,3	4,b7,1,5,b3,3
4,1,b3,b7,5,3	4,b3,1,b7,5,3	4,3,1,b7,5,b3	4,5,1,b7,3,b3	4,b7,1,5,3,b3

4,1,3,b3,5,b7	4,b3,3,1,5,b7	4,3,b3,1,5,b7	4,5,b3,1,3,b7	4,b7,b3,1,3,5
4,1,3,b3,b7,5	4,b3,3,1,b7,5	4,3,b3,1,b7,5	4,5,b3,1,b7,3	4,b7,b3,1,5,3
4,1,3,5,b3,b7	4,b3,3,5,1,b7	4,3,b3,5,1,b7	4,5,b3,3,1,b7	4,b7,b3,3,1,5
4,1,3,5,b7,b3	4,b3,3,5,b7,1	4,3,b3,5,b7,1	4,5,b3,3,b7,1	4,b7,b3,3,5,1
4,1,3,b7,b3,5	4,b3,3,b7,1,5	4,3,b3,b7,1,5	4,5,b3,b7,1,3	4,b7,b3,5,1,3
4,1,3,b7,5,b3	4,b3,3,b7,5,1	4,3,b3,b7,5,1	4,5,b3,b7,3,1	4,b7,b3,5,3,1

4,1,5,b3,3,b7	4,b3,5,1,3,b7	4,3,5,1,b3,b7	4,5,3,1,b3,b7	4,b7,3,1,b3,5
4,1,5,b3,b7,3	4,b3,5,1,b7,3	4,3,5,1,b7,b3	4,5,3,1,b7,b3	4,b7,3,1,5,b3
4,1,5,3,b3,b7	4,b3,5,3,1,b7	4,3,5,b3,1,b7	4,5,3,b3,1,b7	4,b7,3,b3,1,5
4,1,5,3,b7,b3	4,b3,5,3,b7,1	4,3,5,b3,b7,1	4,5,3,b3,b7,1	4,b7,3,b3,5,1
4,1,5,b7,b3,3	4,b3,5,b7,1,3	4,3,5,b7,1,b3	4,5,3,b7,1,b3	4,b7,3,5,1,b3
4,1,5,b7,3,b3	4,b3,5,b7,3,1	4,3,5,b7,b3,1	4,5,3,b7,b3,1	4,b7,3,5,b3,1

4,1,b7,b3,3,5	4,b3,b7,1,3,5	4,3,b7,1,b3,5	4,5,b7,1,b3,3	4,b7,5,1,b3,3
4,1,b7,b3,5,3	4,b3,b7,1,5,3	4,3,b7,1,5,b3	4,5,b7,1,3,b3	4,b7,5,1,3,b3
4,1,b7,3,b3,5	4,b3,b7,3,1,5	4,3,b7,b3,1,5	4,5,b7,b3,1,3	4,b7,5,b3,1,3
4,1,b7,3,5,b3	4,b3,b7,3,5,1	4,3,b7,b3,5,1	4,5,b7,b3,3,1	4,b7,5,b3,3,1
4,1,b7,5,b3,3	4,b3,b7,5,1,3	4,3,b7,5,1,b3	4,5,b7,3,1,b3	4,b7,5,3,1,b3
4,1,b7,5,3,b3	4,b3,b7,5,3,1	4,3,b7,5,b3,1	4,5,b7,3,b3,1	4,b7,5,3,b3,1

Minor Penta + 3

5th~

5,1,b3,3,4,b7	5,b3,1,3,4,b7	5,3,1,b3,4,b7	5,4,1,b3,3,b7	5,b7,1,b3,3,4
5,1,b3,3,b7,4	5,b3,1,3,b7,4	5,3,1,b3,b7,4	5,4,1,b3,b7,3	5,b7,1,b3,4,3
5,1,b3,4,3,b7	5,b3,1,4,3,b7	5,3,1,4,b3,b7	5,4,1,3,b3,b7	5,b7,1,3,b3,4
5,1,b3,4,b7,3	5,b3,1,4,b7,3	5,3,1,4,b7,b3	5,4,1,3,b7,b3	5,b7,1,3,4,b3
5,1,b3,b7,3,4	5,b3,1,b7,3,4	5,3,1,b7,b3,4	5,4,1,b7,b3,3	5,b7,1,4,b3,3
5,1,b3,b7,4,3	5,b3,1,b7,4,3	5,3,1,b7,4,b3	5,4,1,b7,3,b3	5,b7,1,4,3,b3

5,1,3,b3,4,b7	5,b3,3,1,4,b7	5,3,b3,1,4,b7	5,4,b3,1,3,b7	5,b7,b3,1,3,4
5,1,3,b3,b7,4	5,b3,3,1,b7,4	5,3,b3,1,b7,4	5,4,b3,1,b7,3	5,b7,b3,1,4,3
5,1,3,4,b3,b7	5,b3,3,4,1,b7	5,3,b3,4,1,b7	5,4,b3,3,1,b7	5,b7,b3,3,1,4
5,1,3,4,b7,b3	5,b3,3,4,b7,1	5,3,b3,4,b7,1	5,4,b3,3,b7,1	5,b7,b3,3,4,1
5,1,3,b7,b3,4	5,b3,3,b7,1,4	5,3,b3,b7,1,4	5,4,b3,b7,1,3	5,b7,b3,4,1,3
5,1,3,b7,4,b3	5,b3,3,b7,4,1	5,3,b3,b7,4,1	5,4,b3,b7,3,1	5,b7,b3,4,3,1

5,1,4,b3,3,b7	5,b3,4,1,3,b7	5,3,4,1,b3,b7	5,4,3,1,b3,b7	5,b7,3,1,b3,4
5,1,4,b3,b7,3	5,b3,4,1,b7,3	5,3,4,1,b7,b3	5,4,3,1,b7,b3	5,b7,3,1,4,b3
5,1,4,3,b3,b7	5,b3,4,3,1,b7	5,3,4,b3,1,b7	5,4,3,b3,1,b7	5,b7,3,b3,1,4
5,1,4,3,b7,b3	5,b3,4,3,b7,1	5,3,4,b3,b7,1	5,4,3,b3,b7,1	5,b7,3,b3,4,1
5,1,4,b7,b3,3	5,b3,4,b7,1,3	5,3,4,b7,1,b3	5,4,3,b7,1,b3	5,b7,3,4,1,b3
5,1,4,b7,3,b3	5,b3,4,b7,3,1	5,3,4,b7,b3,1	5,4,3,b7,b3,1	5,b7,3,4,b3,1

5,1,b7,b3,3,4	5,b3,b7,1,3,4	5,3,b7,1,b3,4	5,4,b7,1,b3,3	5,b7,4,1,b3,3
5,1,b7,b3,4,3	5,b3,b7,1,4,3	5,3,b7,1,4,b3	5,4,b7,1,3,b3	5,b7,4,1,3,b3
5,1,b7,3,b3,4	5,b3,b7,3,1,4	5,3,b7,b3,1,4	5,4,b7,b3,1,3	5,b7,4,b3,1,3
5,1,b7,3,4,b3	5,b3,b7,3,4,1	5,3,b7,b3,4,1	5,4,b7,b3,3,1	5,b7,4,b3,3,1
5,1,b7,4,b3,3	5,b3,b7,4,1,3	5,3,b7,4,1,b3	5,4,b7,3,1,b3	5,b7,4,3,1,b3
5,1,b7,4,3,b3	5,b3,b7,4,3,1	5,3,b7,4,b3,1	5,4,b7,3,b3,1	5,b7,4,3,b3,1

Minor Penta + 3

b7th~

b7,1,b3,3,4,5	b7,b3,1,3,4,5	b7,3,1,b3,4,5	b7,4,1,b3,3,5	b7,5,1,b3,3,4
b7,1,b3,3,5,4	b7,b3,1,3,5,4	b7,3,1,b3,5,4	b7,4,1,b3,5,3	b7,5,1,b3,4,3
b7,1,b3,4,3,5	b7,b3,1,4,3,5	b7,3,1,4,b3,5	b7,4,1,3,b3,5	b7,5,1,3,b3,4
b7,1,b3,4,5,3	b7,b3,1,4,5,3	b7,3,1,4,5,b3	b7,4,1,3,5,b3	b7,5,1,3,4,b3
b7,1,b3,5,3,4	b7,b3,1,5,3,4	b7,3,1,5,b3,4	b7,4,1,5,b3,3	b7,5,1,4,b3,3
b7,1,b3,5,4,3	b7,b3,1,5,4,3	b7,3,1,5,4,b3	b7,4,1,5,3,b3	b7,5,1,4,3,b3

b7,1,3,b3,4,5	b7,b3,3,1,4,5	b7,3,b3,1,4,5	b7,4,b3,1,3,5	b7,5,b3,1,3,4
b7,1,3,b3,5,4	b7,b3,3,1,5,4	b7,3,b3,1,5,4	b7,4,b3,1,5,3	b7,5,b3,1,4,3
b7,1,3,4,b3,5	b7,b3,3,4,1,5	b7,3,b3,4,1,5	b7,4,b3,3,1,5	b7,5,b3,3,1,4
b7,1,3,4,5,b3	b7,b3,3,4,5,1	b7,3,b3,4,5,1	b7,4,b3,3,5,1	b7,5,b3,3,4,1
b7,1,3,5,b3,4	b7,b3,3,5,1,4	b7,3,b3,5,1,4	b7,4,b3,5,1,3	b7,5,b3,4,1,3
b7,1,3,5,4,b3	b7,b3,3,5,4,1	b7,3,b3,5,4,1	b7,4,b3,5,3,1	b7,5,b3,4,3,1

b7,1,4,b3,3,5	b7,b3,4,1,3,5	b7,3,4,1,b3,5	b7,4,3,1,b3,5	b7,5,3,1,b3,4
b7,1,4,b3,5,3	b7,b3,4,1,5,3	b7,3,4,1,5,b3	b7,4,3,1,5,b3	b7,5,3,1,4,b3
b7,1,4,3,b3,5	b7,b3,4,3,1,5	b7,3,4,b3,1,5	b7,4,3,b3,1,5	b7,5,3,b3,1,4
b7,1,4,3,5,b3	b7,b3,4,3,5,1	b7,3,4,b3,5,1	b7,4,3,b3,5,1	b7,5,3,b3,4,1
b7,1,4,5,b3,3	b7,b3,4,5,1,3	b7,3,4,5,1,b3	b7,4,3,5,1,b3	b7,5,3,4,1,b3
b7,1,4,5,3,b3	b7,b3,4,5,3,1	b7,3,4,5,b3,1	b7,4,3,5,b3,1	b7,5,3,4,b3,1

b7,1,5,b3,3,4	b7,b3,5,1,3,4	b7,3,5,1,b3,4	b7,4,5,1,b3,3	b7,5,4,1,b3,3
b7,1,5,b3,4,3	b7,b3,5,1,4,3	b7,3,5,1,4,b3	b7,4,5,1,3,b3	b7,5,4,1,3,b3
b7,1,5,3,b3,4	b7,b3,5,3,1,4	b7,3,5,b3,1,4	b7,4,5,b3,1,3	b7,5,4,b3,1,3
b7,1,5,3,4,b3	b7,b3,5,3,4,1	b7,3,5,b3,4,1	b7,4,5,b3,3,1	b7,5,4,b3,3,1
b7,1,5,4,b3,3	b7,b3,5,4,1,3	b7,3,5,4,1,b3	b7,4,5,3,1,b3	b7,5,4,3,1,b3
b7,1,5,4,3,b3	b7,b3,5,4,3,1	b7,3,5,4,b3,1	b7,4,5,3,b3,1	b7,5,4,3,b3,1