
3
0 1
1 0
2
max clique is 2
--- 1.0210251808166504 seconds ---

Input(5 Vertices):
5
0 1 2 3
1 0 2 3
2 0 1 3
3 0 1 2
4
max clique is 4
--- 1.1061911582946777 seconds ---

Input(7 Vertices)

7
0 2
1 2 3 4 5 6 1
2 1 3 4 5 6
3 1 2 4 5 6
4 1 2 3 5 6
5 1 2 3 4 6
6 1 2 3 4 5
max clique is 1
--- 1.1137170791625977 seconds ---

9
0 2 8 1
1 6 1 2

2 1 2
3
4 5 6 7 8
5 4 6 7 8
6 4 5 7 8
7 4 5 6 8
8 4 5 6 7
max clique is 2
--- 1.0048370361328125 seconds ---

11
0 1 4 5 6 8 10 1 8 4 8
1 0 4 5 6 8 10 6 3 10
2 7 3
3 4
4 0 1 5 6 8 10 8
5 0 1 4 6 8 10
6 0 1 4 5 8 10
7
8 0 1 4 5 6 10
9
10 0 1 4 5 6 8
max clique is 7
--- 1.0088729858398438 seconds ---

13
0 1 2 3 4 5 6 7 8 9 11 12 3
1 0 2 3 4 5 6 7 8 9 11 12
2 0 1 3 4 5 6 7 8 9 11 12
3 0 1 2 4 5 6 7 8 9 11 12
4 0 1 2 3 5 6 7 8 9 11 12
5 0 1 2 3 4 6 7 8 9 11 12
6 0 1 2 3 4 5 7 8 9 11 12
7 0 1 2 3 4 5 6 8 9 11 12

8 0 1 2 3 4 5 6 7 9 11 12
9 0 1 2 3 4 5 6 7 8 11 12
10
11 0 1 2 3 4 5 6 7 8 9 12
12 0 1 2 3 4 5 6 7 8 9 11
max clique is 12
--- 0.9711859226226807 seconds ---

15
0 1 3 4 5 6 7 9 11 12 14 5 8 10
1 0 3 4 5 6 7 9 11 12 14 4 8 7
2 8 7 13
3 0 1 4 5 6 7 9 11 12 14 11 3 14
4 0 1 3 5 6 7 9 11 12 14 0 1
5 0 1 3 4 6 7 9 11 12 14 2
6 0 1 3 4 5 7 9 11 12 14
7 0 1 3 4 5 6 9 11 12 14
8
9 0 1 3 4 5 6 7 11 12 14
10
11 0 1 3 4 5 6 7 9 12 14
12 0 1 3 4 5 6 7 9 11 14
13
14 0 1 3 4 5 6 7 9 11 12
max clique is 11
--- 1.145688772201538 seconds ---

17
0 2 4 5 7 8 9 10 11 13 16 3 11 14 5 8 5
1 13 11 6 5 2 9
2 0 4 5 7 8 9 10 11 13 16 2 16 2 2 11 10
3 3 3 9 4 1 6
4 0 2 5 7 8 9 10 11 13 16 3 16 11 5 15 9

5 0 2 4 7 8 9 10 11 13 16 5 5 0 7
6 0 0 4
7 0 2 4 5 8 9 10 11 13 16 5 12 13
8 0 2 4 5 7 9 10 11 13 16 11 0
9 0 2 4 5 7 8 10 11 13 16
10 0 2 4 5 7 8 9 11 13 16
11 0 2 4 5 7 8 9 10 13 16
12
13 0 2 4 5 7 8 9 10 11 16
14
15
16 0 2 4 5 7 8 9 10 11 13
max clique is 11
--- 1.2073311805725098 seconds ---

19
0 1 2 4 5 8 11 14 15 18 3 11 3 4 9 8 18 9
1 0 2 4 5 8 11 14 15 18 13 11 2 0 16 13 18
2 0 1 4 5 8 11 14 15 18 1 3 9 14 0
3 3 9 8 9 12
4 0 1 2 5 8 11 14 15 18 5 2 9 16
5 0 1 2 4 8 11 14 15 18 1 15 18 9
6 4 0 3
7 7 8
8 0 1 2 4 5 11 14 15 18
9
10
11 0 1 2 4 5 8 14 15 18
12
13
14 0 1 2 4 5 8 11 15 18
15 0 1 2 4 5 8 11 14 18
16
17
18 0 1 2 4 5 8 11 14 15
max clique is 10
--- 1.0732479095458984 seconds ---

21
0 1 3 4 7 8 9 10 11 12 13 14 18 19 20 1 8 6 19 20 0
1 0 3 4 7 8 9 10 11 12 13 14 18 19 20 18 0 15 20
2 18 11 19 20
3 0 1 4 7 8 9 10 11 12 13 14 18 19 20 6 1 5 16
4 0 1 3 7 8 9 10 11 12 13 14 18 19 20 17 0
5 11 12
6 16 13
7 0 1 3 4 8 9 10 11 12 13 14 18 19 20 17 6
8 0 1 3 4 7 9 10 11 12 13 14 18 19 20 8
9 0 1 3 4 7 8 10 11 12 13 14 18 19 20 0
10 0 1 3 4 7 8 9 11 12 13 14 18 19 20 8
11 0 1 3 4 7 8 9 10 12 13 14 18 19 20
12 0 1 3 4 7 8 9 10 11 13 14 18 19 20
13 0 1 3 4 7 8 9 10 11 12 14 18 19 20
14 0 1 3 4 7 8 9 10 11 12 13 18 19 20
15
16
17
18 0 1 3 4 7 8 9 10 11 12 13 14 19 20
19 0 1 3 4 7 8 9 10 11 12 13 14 18 20
20 0 1 3 4 7 8 9 10 11 12 13 14 18 19
max clique is 15
--- 0.9769458770751953 seconds ---

23
0 9 2 2 10 11 8 10 19 16 20 8 12
1 22 20 20 22 22 2 14 19 0 5
2 18 3 10 1 12 21 16 17
3 20 12 22 15 12 0 17 14
4 8 3 8 0 19 1 4

5 12 4 21 3 8
6 12 13 2 22 13
7 20
8
9
10 11 13 14 16 17 18 19 21 22
11 10 13 14 16 17 18 19 21 22
12
13 10 11 14 16 17 18 19 21 22
14 10 11 13 16 17 18 19 21 22
15
16 10 11 13 14 17 18 19 21 22
17 10 11 13 14 16 18 19 21 22
18 10 11 13 14 16 17 19 21 22
19 10 11 13 14 16 17 18 21 22
20
21 10 11 13 14 16 17 18 19 22
22 10 11 13 14 16 17 18 19 21
max clique is 2
--- 0.9764790534973145 seconds ---

25
0 1 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 22 23 24 16 3 4 23
1 0 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 22 23 24 8 21 5 21
2 9 6 10 6
3 0 1 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 22 23 24 4 18 8 9
4 0 1 3 5 6 7 8 9 10 11 12 14 15 16 17 18 19 22 23 24 8 9 2
5 0 1 3 4 6 7 8 9 10 11 12 14 15 16 17 18 19 22 23 24 21 0 6
6 0 1 3 4 5 7 8 9 10 11 12 14 15 16 17 18 19 22 23 24 17 12 21
7 0 1 3 4 5 6 8 9 10 11 12 14 15 16 17 18 19 22 23 24 1 19 8
8 0 1 3 4 5 6 7 9 10 11 12 14 15 16 17 18 19 22 23 24 6 19 5
9 0 1 3 4 5 6 7 8 10 11 12 14 15 16 17 18 19 22 23 24 16 14 12
10 0 1 3 4 5 6 7 8 9 11 12 14 15 16 17 18 19 22 23 24 22 8
11 0 1 3 4 5 6 7 8 9 10 12 14 15 16 17 18 19 22 23 24 5 9

12 0 1 3 4 5 6 7 8 9 10 11 14 15 16 17 18 19 22 23 24 20 4
13 1
14 0 1 3 4 5 6 7 8 9 10 11 12 15 16 17 18 19 22 23 24 1
15 0 1 3 4 5 6 7 8 9 10 11 12 14 16 17 18 19 22 23 24 17
16 0 1 3 4 5 6 7 8 9 10 11 12 14 15 17 18 19 22 23 24 10
17 0 1 3 4 5 6 7 8 9 10 11 12 14 15 16 18 19 22 23 24 19
18 0 1 3 4 5 6 7 8 9 10 11 12 14 15 16 17 19 22 23 24
19 0 1 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 22 23 24
20
21
22 0 1 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 23 24
23 0 1 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 22 24
24 0 1 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 22 23
max clique is 21
--- 1.2181451320648193 seconds ---

27
0 17 12 9 2 21 26 7 17 14 20
1 3 4 7 9 10 11 13 15 17 19 20 21 22 25 26 12 10 24 20 21 2 17 9 15 4
2 14 11 3 18 4 15 19 3
3 1 4 7 9 10 11 13 15 17 19 20 21 22 25 26 1 23 24 26 13 26 23 9
4 1 3 7 9 10 11 13 15 17 19 20 21 22 25 26 15 25 22 0 18 19 1 2
5 16 20 13 9 5 22 4
6 19 2 11 7 9 10 9
7 1 3 4 9 10 11 13 15 17 19 20 21 22 25 26 5 20 1 26 14 14
8 2 8 21 5
9 1 3 4 7 10 11 13 15 17 19 20 21 22 25 26 5 23 26
10 1 3 4 7 9 11 13 15 17 19 20 21 22 25 26 2 13
11 1 3 4 7 9 10 13 15 17 19 20 21 22 25 26 8
12 10
13 1 3 4 7 9 10 11 15 17 19 20 21 22 25 26 2
14
15 1 3 4 7 9 10 11 13 17 19 20 21 22 25 26
16
17 1 3 4 7 9 10 11 13 15 19 20 21 22 25 26
18
19 1 3 4 7 9 10 11 13 15 17 20 21 22 25 26
20 1 3 4 7 9 10 11 13 15 17 19 21 22 25 26
21 1 3 4 7 9 10 11 13 15 17 19 20 22 25 26
22 1 3 4 7 9 10 11 13 15 17 19 20 21 25 26

23
24
25 1 3 4 7 9 10 11 13 15 17 19 20 21 22 26
26 1 3 4 7 9 10 11 13 15 17 19 20 21 22 25
max clique is 1
--- 1.2627487182617188 seconds ---

28
0 26 18 20 18 19 4 15 20 13 21
1 4 7 8 9 10 12 14 15 16 17 19 20 21 23 24 27 27 4 1 26 7 0 26 21 24
2 24 15 16 21 26 24 11 7
3 4 23 15 6 0 6 27
4 1 7 8 9 10 12 14 15 16 17 19 20 21 23 24 27 4 11 18 17 22 18 18
5 11 15 9 19 15
6 6 1 23 11 13
7 1 4 8 9 10 12 14 15 16 17 19 20 21 23 24 27 8 26 19 25 8
8 1 4 7 9 10 12 14 15 16 17 19 20 21 23 24 27 20 24 4 3 3
9 1 4 7 8 10 12 14 15 16 17 19 20 21 23 24 27 14 20 27 20 9
10 1 4 7 8 9 12 14 15 16 17 19 20 21 23 24 27 5 13 21 14 17
11 18 10 22 11
12 1 4 7 8 9 10 14 15 16 17 19 20 21 23 24 27 22 17 16
13 22
14 1 4 7 8 9 10 12 15 16 17 19 20 21 23 24 27
15 1 4 7 8 9 10 12 14 16 17 19 20 21 23 24 27
16 1 4 7 8 9 10 12 14 15 17 19 20 21 23 24 27
17 1 4 7 8 9 10 12 14 15 16 19 20 21 23 24 27
18
19 1 4 7 8 9 10 12 14 15 16 17 20 21 23 24 27
20 1 4 7 8 9 10 12 14 15 16 17 19 21 23 24 27
21 1 4 7 8 9 10 12 14 15 16 17 19 20 23 24 27
22
23 1 4 7 8 9 10 12 14 15 16 17 19 20 21 24 27
24 1 4 7 8 9 10 12 14 15 16 17 19 20 21 23 27
25
26
27 1 4 7 8 9 10 12 14 15 16 17 19 20 21 23 24
max clique is 5
--- 1.0571730136871338 seconds ---

29

0 27 17 21 15 18 24 18 23 4 7 17 27 19 3 22 12 5

1 6 26 12 19 21 21 13 21 26 25 23 6 14

2 6 12 13 16 19 20 27 15 3 9 17 3 24 10

3 0 27 28 0

4 1 20

5

6 2 12 13 16 19 20

7

8

9

10

11

12 2 6 13 16 19 20

13 2 6 12 16 19 20

14

15

16 2 6 12 13 19 20

17

18

19 2 6 12 13 16 20

20 2 6 12 13 16 19

21

22

23

24

25

26

27

28

max clique is 1

--- 1.0658528804779053 seconds ---