0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

1

0

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

2

2

2

2

2

2

2

2

2

2

2

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

4

5

5

4

3

2

2

2

2

2

2

2

2

2

2

2

2

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

0

0

0

0

0

0

0

0

0

1

2

2

2

2

2

2

2

2

2

2

2

3

4

4

4

4

4

4

3

3

3

3

3

3

3

3

3

3

3

3

3

3

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

2

2

2

2

2

3

3

3

3

3

3

3

3

4

4

3

3

3

3

3

4

4

4

4

4

4

4

4

4

4

4

4

4

4

5

5

5

5

5

4

4

5

5

5

5

6

6

6

6

6

6

6

6

6

7

7

7

7

7

7

8

8

8

6

6

6

7

7

8

8

9

10

10

10

10

10

10

10

10

10

10

10

10

10

10

10

10

10

10

10

10

9

9

9

9

9

9

10

10

10

10

11

11

11

13

13

14

15

15

15

16

16

16

16

16

13

10

8

8

8

8

8

8

9

10

10

10

10

11

10

9

8

7

7

8

8

8

8

8

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

10

10

10

7

8

8

9

10

10

11

11

11

11

11

11

12

12

12

12

12

12

13

13

13

13

15

15

14

14

14

14

15

15

15

15

15

15

15

15

15

15

12

10

10

10

10

10

10

10

11

11

12

12

12

12

9

6

5

5

5

5

6

6

6

6

6

7

7

7

5

5

4

4

5

5

6

7

7

7

7

7

8

8

6

5

5

5

5

5

6

6

7

7

7

7

7

7

3

3

3

3

4

4

4

4

4

5

5

5

5

6

6

6

6

7

7

7

7

8

10

11

8

7

7

7

8

8

8

8

8

8

8

8

8

8

8

8

9

10

10

11

11

11

11

11

12

12

12

12

12

13

13

14

15

15

15

15

17

17

14

13

12

11

11

11

11

11

11

11

11

11

11

13

11

10

11

11

11

12

13

13

13

13

13

13

13

14

12

13

13

13

13

13

14

14

16

16

16

18

18

19

17

15

14

15

16

16

17

17

17

17

19

19

19

20

17

16

17

17

18

19

19

19

19

20

20

21

21

21

17

14

13

13

13

13

14

14

15

15

15

16

16

17

14

11

9

9

9

9

9

10

10

10

11

11

11

11

10

9

11

11

11

13

13

13

14

15

15

15

15

15

13

13

14

14

14

14

14

14

15

17

17

18

18

18

15

13

11

9

8

8

8

10

11

13

13

13

14

14

13

13

13

13

13

14

14

14

16

16

16

16

16

16

15

12

11

11

11

11

12

12

13

13

14

16

16

16

13

13

13

13

13

14

14

15

15

15

15

15

15

15

15

15

16

16

16

17

17

17

17

18

19

19

19

19

18

16

14

13

14

14

14

14

14

14

15

15

16

16

14

14

15

15

15

16

16

16

16

17

17

17

17

17

13

11

9

7

6

5

5

5

6

7

7

7

7

7

7

7

7

7

7

7

7

8

8

8

8

8

8

8

8

9

9

12

12

12

12

12

12

12

9

9

9

9

11

11

11

14

14

14

14

15

16

17

15

14

14

15

15

16

17

17

18

18

18

19

19

19

17

16

17

17

17

17

17

17

17

17

17

18

19

19

18

16

15

15

15

15

15

15

15

15

15

15

15

15

11

9

8

7

7

7

7

8

8

9

9

10

10

11

11

10

10

10

10

11

11

11

12

13

13

13

13

14

10

9

9

9

10

10

10

10

10

10

11

12

13

13

12

12

13

13

13

14

14

14

14

14

14

14

14

14

13

13

13

14

15

15

15

15

15

16

16

16

16

17

16

16

18

21

21

21

21

21

21

21

21

22

24

24

24

25

25

25

25

25

25

26

26

27

25

21

17

15

15

16

16

16

16

17

17

17

17

18

17

16

15

16

16

17

17

17

17

17

17

18

19

19

15

12

10

9

9

10

10

11

11

12

12

12

12

13

9

7

6

5

5

5

5

5

5

6

7

10

11

11

11

12

12

12

12

12

12

12

12

12

11

12

12

12

13

13

13

14

14

14

14

14

14

15

12

11

10

9

9

9

10

11

11

11

11

11

12

13

10

7

6

6

6

7

7

8

9

9

9

9

9

10

10

10

11

11

11

11

12

13

13

15

15

15

15

16

13

11

10

9

8

9

9

10

10

11

13

13

14

14

12

11

11

11

12

12

12

12

12

12

12

12

12

13

11

10

10

10

10

10

11

11

11

11

11

11

11

11

12

12

13

14

14

14

14

15

16

16

15

15

15

16

16

16

16

16

16

16

17

17

17

18

15

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

15

16

15

16

16

18

18

19

19

19

20

20

20

22

23

25

21

20

21

21

22

22

22

23

23

25

25

25

25

26

23

21

22

23

23

23

23

23

23

23

24

24

24

26

23

20

17

15

14

14

15

16

17

17

18

18

18

19

17

18

19

19

19

20

21

21

21

22

22

22

23

23

19

15

13

11

10

11

11

12

13

14

14

14

15

16

16

16

16

16

16

16

17

17

17

18

16

15

15

15

15

15

15

16

17

18

20

22

22

22

19

17

16

16

16

16

16

16

16

17

17

17

17

21

18

19

19

19

20

20

21

21

21

21

22

22

22

22

19

16

13

13

14

16

17

19

19

19

19

19

20

20

16

14

14

13

12

12

12

12

13

13

13

14

15

16

15

16

17

17

17

17

18

19

19

19

19

20

20

21

21

21

21

21

21

22

24

24

24

24

22

20

18

17

18

19

19

19

19

20

20

20

20

20

20

21

20

19

20

20

21

22

23

23

23

23

23

24

20

17

18

17

18

18

19

20

20

22

22

22

22

23

22

21

22

21

21

21

21

21

21

22

22

23

24

25

22

21

21

22

22

23

23

23

23

24

24

26

26

27

23

21

20

19

21

21

21

21

22

22

22

23

23

24

22

20

19

20

20

21

21

21

21

21

22

23

23

24

24

24

25

25

26

26

26

27

27

28

28

28

29

29

25

21

17

15

16

16

17

18

18

20

20

21

22

23

21

20

19

19

19

19

19

20

20

20

20

21

22

22

20

18

18

19

19

19

20

20

21

22

23

23

24

24

23

22

20

20

20

20

21

23

23

24

24

25

28

30

29

29

30

30

32

32

32

32

32

33

33

33

33

34

31

27

23

21

19

17

15

15

15

15

15

16

17

17

17

15

16

17

17

18

20

20

20

20

20

20

20

21

19

18

19

19

20

20

20

21

21

22

23

23

24

25

21

19

18

17

17

17

17

17

17

19

19

19

19

19

17

15

15

15

16

17

17

17

17

17

19

19

19

19

18

17

16

16

16

16

16

16

16

16

17

17

17

17

16

15

13

11

9

9

10

11

11

13

13

14

15

17

17

18

18

19

21

22

25

25

25

25

25

25

26

26

24

23

23

22

21

21

21

22

22

22

23

25

26

27

25

25

24

25

25

25

25

25

25

26

26

28

28

28

27

25

23

21

20

21

21

22

22

22

22

23

25

26

24

22

21

20

19

19

19

19

20

22

23

23

23

23

24

24

25

25

25

26

27

28

28

30

28

25

23

22

23

23

23

24

24

24

24

24

24

25

21

19

20

21

22

22

22

22

22

22

23

23

23

23

22

22

22

22

22

22

22

22

22

22

22

22

23

23

20

19

17

17

17

18

18

18

19

20

21

21

21

22

20

18

16

14

12

10

10

11

12

13

13

13

15

16

16

15

16

16

15

16

16

17

17

17

18

18

20

20

21

19

19

18

19

20

20

20

20

20

20

21

21

21

21

21

21

21

21

21

21

21

21

21

17

14

12

11

10

10

10

11

11

11

12

12

12

13

12

14

15

15

15

17

17

17

17

18

19

19

20

21

17

13

10

10

10

10

10

11

11

12

12

12

12

12

9

8

8

8

8

8

8

8

8

10

10

10

10

11

11

11

11

11

11

11

11

11

11

11

11

11

11

12

12

13

13

14

14

14

12

12

13

12

13

13

14

14

14

14

16

17

18

18

16

13

12

11

11

10

9

9

9

9

10

10

11

12

9

9

10

11

11

12

12

12

12

13

15

15

15

15

13

12

12

11

10

10

11

11

12

12

12

12

12

12

11

9

9

10

10

11

11

11

11

11

11

12

12

12

11

12

12

12

12

12

12

12

12

12

12

12

12

12

9

7

7

7

8

8

8

9

9

9

9

10

10

10

9

9

9

10

10

10

10

10

10

11

11

11

11

11

12

12

12

12

12

12

12

12

12

12

12

12

12

12

11

11

11

11

11

11

12

12

14

15

16

16

16

17

15

14

13

13

14

14

14

14

15

15

15

15

15

16

12

8

5

5

5

6

6

6

8

8

8

8

9

10

9

7

7

7

7

7

7

7

7

7

9

9

9

9

6

5

6

6

6

6

7

7

7

7

7

7

7

7

7

9

9

10

10

10

10

10

10

11

11

13

13

13

13

13

13

13

13

13

14

14

15

15

15

15

16

16

14

13

13

13

13

13

14

14

14

14

14

15

15

15

15

15

15

15

15

15

15

15

15

15

14

14

14

14

14

15

15

15

16

16

18

18

18

18

17

16

17

17

17

17

17

17

18

18

18

18

18

18

15

13

13

13

13

13

13

13

14

14

14

14

15

15

13

12

11

11

11

12

12

12

13

13

13

13

13

13

9

6

5

5

6

6

7

7

7

7

7

8

8

8

9

9

9

9

9

11

12

13

13

13

13

14

14

14

15

15

16

16

16

16

16

16

16

16

15

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

15

15

15

15

15

15

15

16

16

16

17

17

18

19

19

16

12

11

12

12

12

12

12

12

13

13

13

13

14

12

12

12

12

12

12

13

13

13

13

13

13

13

13

11

11

11

12

12

14

14

14

14

14

14

14

14

14

11

8

7

6

6

6

6

6

6

6

6

6

6

6

7

7

8

8

8

8

8

8

8

8

9

10

10

10

10

10

10

10

10

11

9

8

7

7

7

7

7

8

8

8

8

8

8

8

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

6

6

6

6

6

7

8

8

8

8

8

6

6

6

7

7

7

7

7

7

7

7

7

7

7

4

4

4

4

4

4

5

6

6

6

7

7

7

7

6

6

6

6

6

6

6

6

6

6

6

6

6

7

5

6

6

6

7

7

7

7

7

7

8

8

8

8

6

5

6

6

7

7

7

7

7

7

7

8

8

8

8

8

8

8

8

8

8

9

9

10

11

11

12

12

11

11

11

11

11

11

11

11

11

11

11

11

11

11

11

11

11

11

12

12

12

12

12

12

12

12

12

12

9

7

6

6

6

6

6

7

7

7

7

7

7

7

7

7

8

8

8

8

9

10

10

10

10

10

10

11

11

11

11

12

12

12

12

13

13

13

12

12

12

12

13

14

15

15

16

16

16

17

17

17

15

15

15

15

15

15

15

15

15

15

15

15

15

15

11

12

12

13

14

14

14

14

14

14

14

14

14

14

14

14

14

14

14

15

15

15

15

15

17

17

17

17

16

16

16

16

16

16

17

17

17

17

17

17

17

17

14

12

11

11

11

12

12

12

12

12

12

12

12

12

13

13

13

13

13

13

13

13

13

13

13

13

13

13

13

13

13

13

13

13

14

14

14

14

15

15

16

18

16

15

15

15

15

15

15

15

15

17

17

17

17

17

16

16

17

17

17

18

18

18

18

19

19

19

19

19

19

20

20

20

21

21

21

21

21

21

22

22

23

23

23

23

24

24

24

24

24

24

24

24

24

24

24

25

23

21

21

21

21

21

21

21

21

21

21

21

21

22

22

22

22

23

23

23

23

23

23

23

24

25

25

25

25

25

26

26

26

26

26

26

27

27

27

27

27

27

27

27

27

27

27

27

23

20

17

14

11

9

8

7

6

5

5

6

6

8

9

10

10

11

13

13

14

15

15

15

15

15

15

16

14

14

16

16

17

17

17

17

17

17

17

17

17

17

13

12

13

13

13

13

13

13

13

13

13

13

13

13

12

12

12

12

12

13

13

13

13

13

13

14

14

14

14

14

14

14

14

14

14

15

15

15

11

10

10

10

10

10

10

10

10

10

10

10

10

10

7

6

4

3

2

2

2

2

2

2

2

2

2

2

2

3

3

3

4

4

4

4

4

4

4

4

4

4

3

2

2

2

2

2

2

2

2

2

2

2

3

3

3

3

3

3

3

3

4

4

4

4

4

4

4

4

2

2

2

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

4

4

4

4

4

4

5

5

5

5

5

5

4

5

5

5

5

5

5

6

6

6

6

6

6

6

4

4

4

5

5

6

6

7

7

7

7

7

7

7

6

4

4

4

4

4

4

4

4

4

4

4

4

4

3

2

2

2

2

2

3

3

3

3

3

3

3

3

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

2

2

2

2

2

2

2

2

2

2

2

2

1

1

2

2

2

2

2

2

2

2

2

3

3

3

2

2

2

3

3

3

3

3

3

3

3

3

3

4

4

4

5

5

5

5

5

5

5

5

3

2

2

2

2

2

2

2

2

2

2

2

2

3

2

2

2

2

2

2

2

2

2

2

2

3

3

3

3

3

3

4

5

5

5

5

5

5

5

5

5

5

3

3

3

3

3

3

3

3

3

3

3

3

3

3

1

1

1

1

1

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

1

1

1

1

1

1

1

1

1

1

1

2

2

2

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

1

1

1

1

1

1

1

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

3

3

3

3

3

3

3

3

3

3

3

3

3

3

4

4

4

4

4

4

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

7

7

7

7

5

5

5

5

5

5

5

5

5

5

5

5

5

5

3

2

1

1

1

1

1

1

1

1

2

2

2

2

2

2

2

2

2

2

2

2

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

2

2

2

2

2

2

3

3

3

3

3

3

3

3

3

3

3

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

5

5

5

5

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

4

4

4

4

4

4

4

4

4

4

4

2

3

3

3

3

3

3

3

3

3

3

4

4

4

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

3

4

4

4

5

5

5

5

5

5

5

5

5

5

5

4

4

4

4

4

4

4

4

4

4

4

4

4

4

2

2

2

2

2

2

2

2

2

2

2

2

2

2

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

1

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

2

2

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

1

1

1

1

1

0

0

0

0

0

0

0

0

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

2

2

2

2

2

2

1

1

1

1

1

1

1

1

1

1

1

1

1

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

1

1

1

1

1

1

1

1

1

1

1

2

1

1

1

1

1

1

1

1

1

1

1

1

1

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0