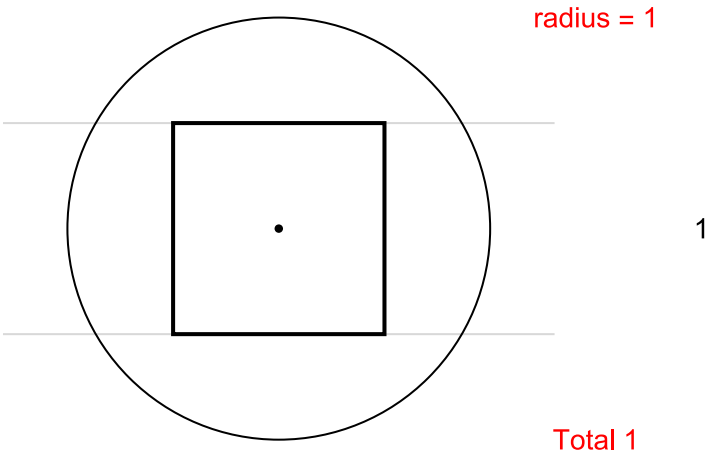
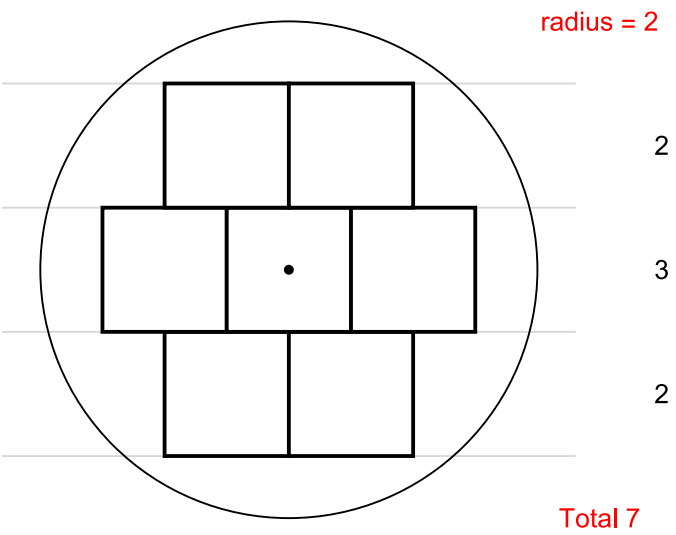
Drawings for A125228

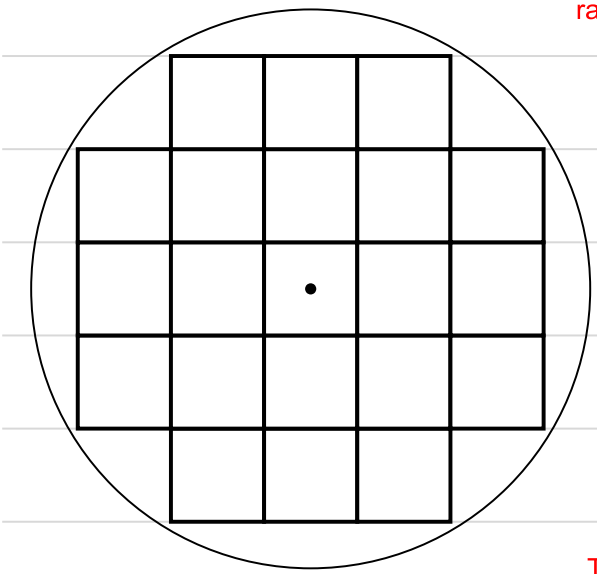
7 June 2024
David Dewan

The number of unit squares enclosed by a circle of radius n with center of circle in the center of a square.





radius = 3



3

5

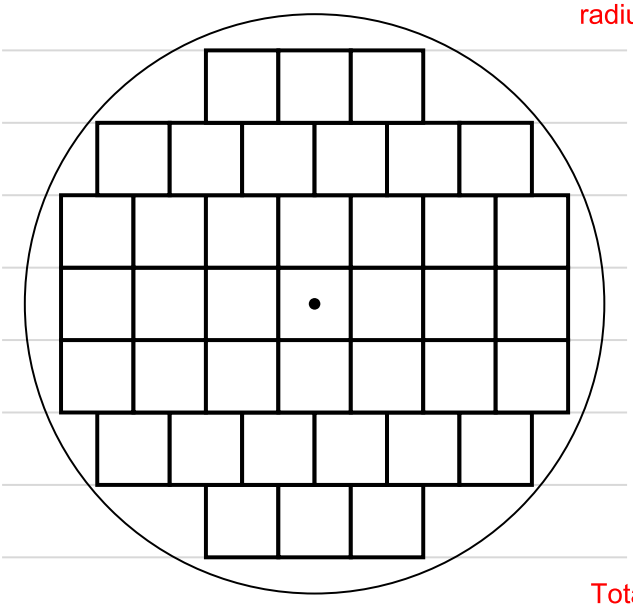
5

5

3

Total 21

radius = 4



3

6

7

7

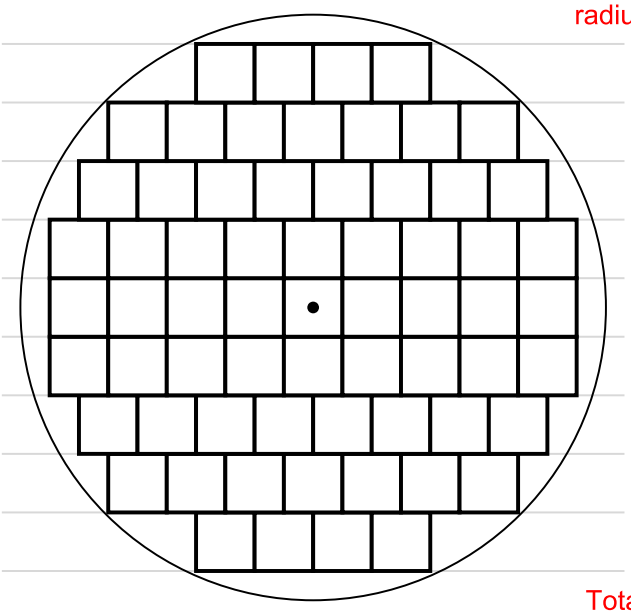
7

6

3

Total 39

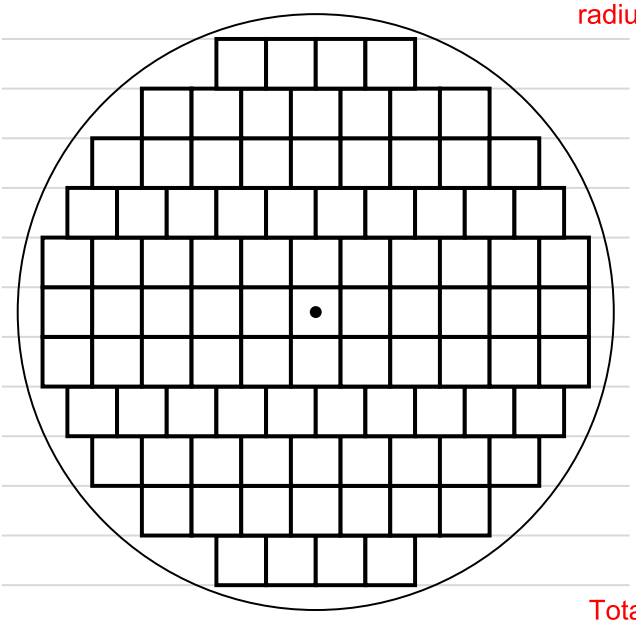
radius = 5



4
7
8
9
9
9
8
7
4

Total 65

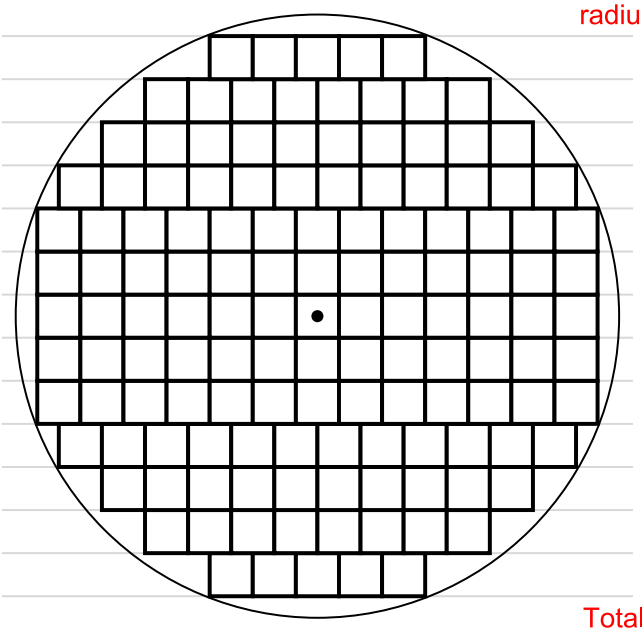
radius = 6



4
7
9
10
11
11
11
10
9
7
4

Total 93

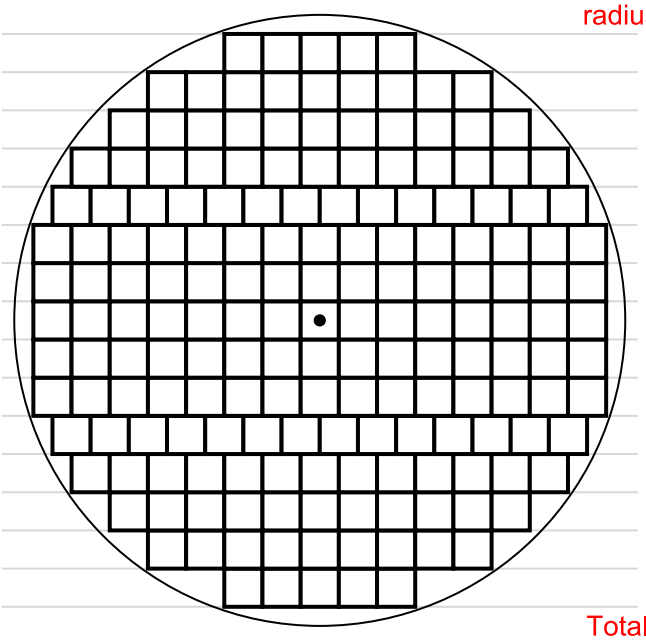
radius = 7



5
8
10
12
13
13
13
13
13
12
10
8
5

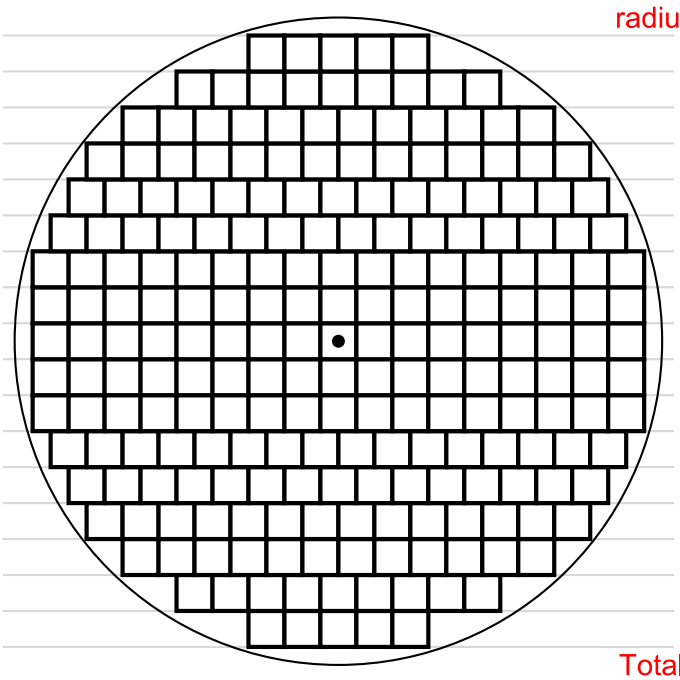
Total 135

radius = 8



5
9
11
13
14
15
15
15
15
15
14
13
11
9
5

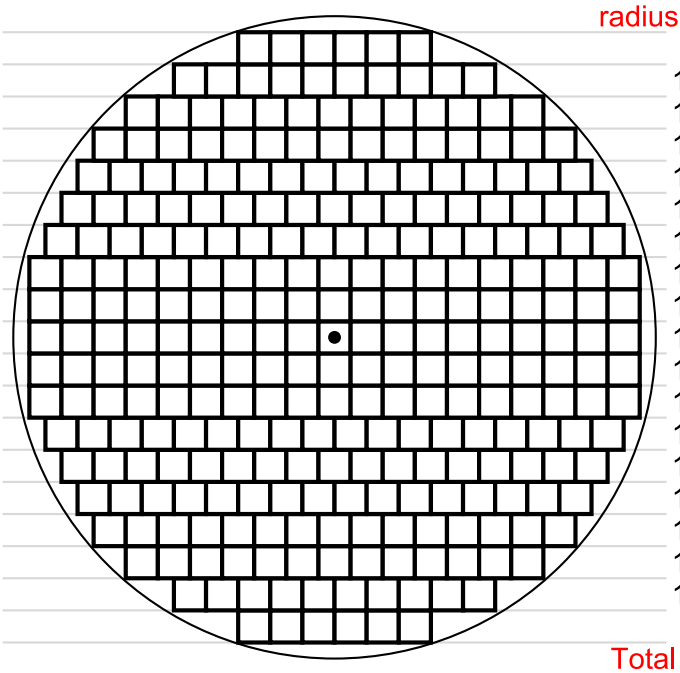
Total 179



radius = 9

5
9
12
14
15
16
17
17
17
17
17
16
15
14
12
9
5

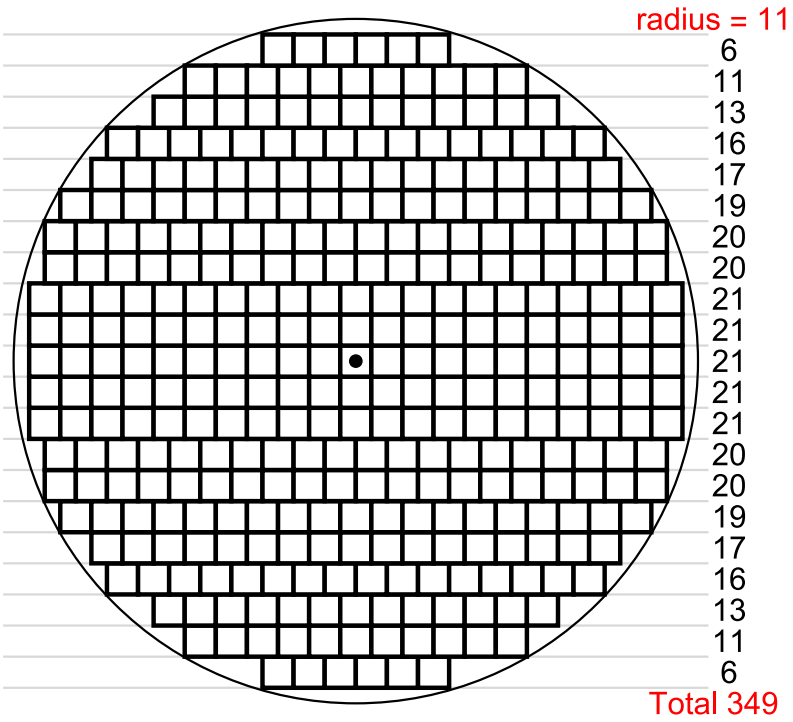
Total 227

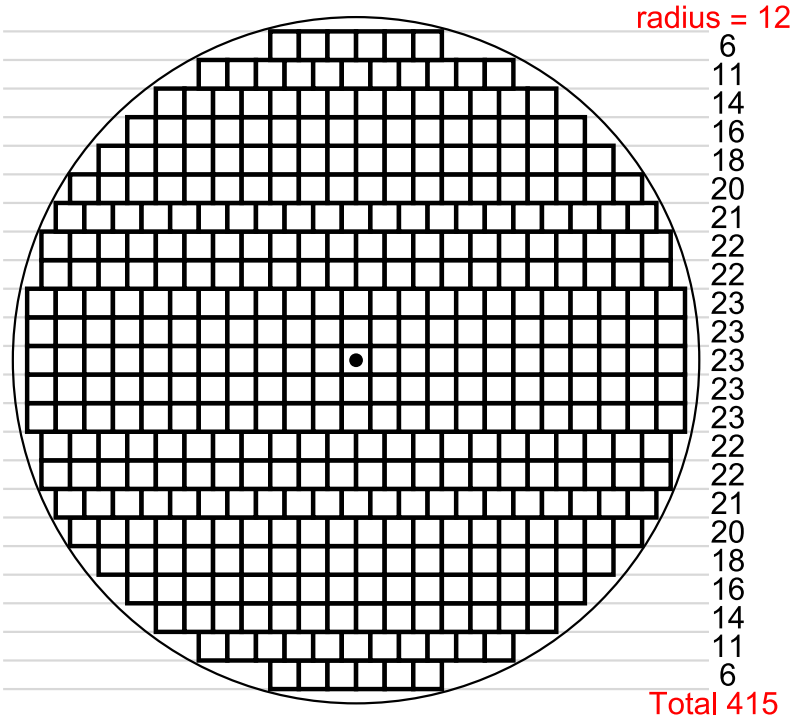


radius = 10

6
10
13
15
16
17
18
19
19
19
19
19
18
17
16
15
13
10
6

Total 285


radius = 11
6
11
13
16
17
19
20
20
21
21
21
21
21
20
20
19
17
16
13
11
6
Total 349


radius = 12
6
11
14
16
18
20
21
22
22
23
23
23
23
23
22
22
21
20
18
16
14
11
6
Total 415