



$$n_1(i) = \frac{-2 + \sqrt{4 - 3(1 - i)}}{3}$$

2

○

$$n_2(i) = \frac{(-5 + \sqrt{25 - 3(8 - i)})}{3}$$

3

4



$$a = 32$$

5

○

$$R(n) = (n+1)(3n+1)$$

6

$n_1(a)$

= 2.61628593393

7

$n_2(a)$


= 1.61628593393

8


$R(1)$

= 8

9

 $I(i) = \text{floor}(n_1(i)) + 1$

10

 $E(i) = \text{floor}(n_2(i)) + 1$

11

$n_r = I(a)$

$n_r = 3$

12

$R(n_r)$


= 40

13

$s_i = a - R(n_r - 1)$

$s_i = 11$

14

 $N(x) = 6x + 1$

15

$N(n_r)$

= 19

16

$R(n_r) - R(n_r - 1)$

= 19

17


$i_p(n,s) = \left\{ s < 5n + 1 : \min\left(4, \text{floor}\left(\frac{s}{n}\right)\right), s \geq 5n + 1 : 5 \right\}$

18

$r_p = i_p(n_r, q)$

$r_p = 3$

19

 $q = 9$

20

$s_p(n,i) = \{ i \geq 5: 5n + 1, i < 5:i \cdot n \}$

21

$s_p(n_r, r_p)$

= 9