

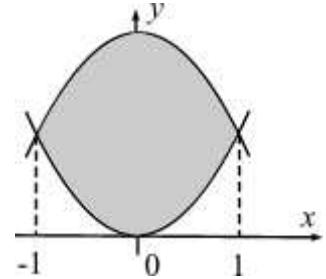
11.1. $x = \arcsin \frac{\sqrt{5}-1}{2} + 2fk, \quad k \in Z.$

11.2. $1-x^2 \geq 0, \quad -1 \leq x \leq 1. \quad y \geq 1,$

$y \leq 2-x^2,$

$y = 2-x^2. \quad y \leq 1,$

$y \geq x^2,$
 $y = x^2.$



11.3. $m - \dots, \quad s, k, l -$

$0,3m(s+k+l) = 0,11ms + 0,54mk + 0,97ml.$

$19(s+k+l) = 43k + 86l.$

43,

43

, $s+k+l$

43.

11.4. $P - \dots,$

A_2, A_4, A_6

$SA_1.$

P

$SA_1.$

$A_2, A_4, A_6 -$

(

$A_1 A_2 \dots A_7 -$

),

A_2, A_4, A_6

$P.$

11.5. 143.

A_n

$\{1, 2, 3, \dots, n\}$

, $a_n -$

A_1

$\{1\},$

A_2

$\{1\} \quad \{2\}.$

, $a_1 = 1$

$a_2 = 2.$

$n \geq 3.$

A_n

$n,$

A_{n-1}

a_{n-1}

$n.$

$\{n\},$

$n,$

A_{n-2} ,
20, 33, 54, 88 143.

$$a_n = a_{n-1} + a_{n-2} + 1$$

$a_n: 4, 7, 12,$