

Exercise 5

Вариант 0

Семенов Егор, 0362

1	C_{16}^{12}	C_{16}^4
2	C_{334}^{34}	
5	182	

N1 $< 2^{17}$ 13 единиц 16 бит

$$C_{16}^{12} = \frac{16!}{12!(16-12)!} = \frac{16!}{12!4!} = \frac{16!}{12!4!} = C_{16}^4 = 1820$$

N2 $x_1 + x_2 + \dots + x_{35} = 195$ $x_i \geq -3$

$y_i = x_i + 4$ $y_i \geq 1$

$y_1 + y_2 + \dots + y_{35} = 195 + 4 \cdot 35 = 335$

~~C_{335}^{34}~~ C_{334}^{34}

N3



$$\{10\} + \{9\}$$

49

~~11~~

$$330 - 194 + 46 = 182$$