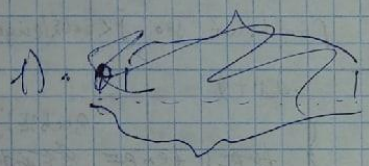
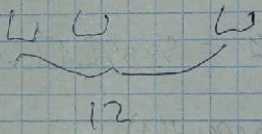
Шеин Ex 5 22 mod 4 = 2

2 Вариант

№	Отв
1	C_{12}^{8}
2	C_{189}^{44}
3	477

1) 



C_{12}^{8}

2) $x_1 \geq -1$

$x_1 + x_2 \ldots + x_{45} = 100$

$y = x + 2 \quad y \geq 1$

$y_1 + y_2 + \ldots + y_{45} = 100 + 2 \cdot 45 = 190$

Отв: C_{189}^{44}

5) $\{7\} = 209$

$\{10\} = 76$

$\{49\} = 49$

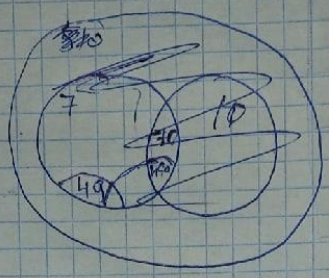
$\{70\} = 75$

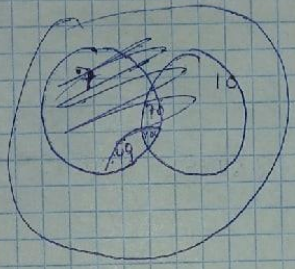
$\{490\} = 43$

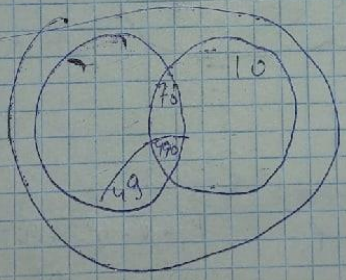
Всего: 510

Найти:

$\{\overline{10}\} \mid \{49\} = \{A\}$







$\{A\} = 209 - 75 + \cancel{\ldots} + 43 = \cancel{\ldots} = \cancel{207}\ 177$

$510 - 76 + 43 = \boxed{477}$

Ex 6

Вар 2

n	ОТВ:
1	128 115
4	2996
6	5 762314
8	$\frac{143}{171}$

$1 \cdot 2^1 = 2$

10 11

$1 \cdot 2^2 = 4$

100
101
110
111

3)

$13 \cdot 14^4 - 13^5 = 128115$

13 13 13

8)

$P_1 + P_2 + P_3 + P_4 = 1$

$P_1 + P_2 + P_3 = 1 - P_4$

ОТВ: $1 - \frac{8}{11+8}$

ОТВ: $1 - \frac{8}{11+8} \cdot \frac{7}{11+7} = \frac{143}{171}$

-2

4) $A = \{a, b, c\}$

$abbacccb$

$a = 0$
$b = 1$
$c = 2$

$01100222_3 \rightarrow$

$\rightarrow 3^7 + 3^6 + 2 \cdot 3^5 + 2 \cdot 3^4 + 2 \cdot 3^3 + 2 \cdot 3 + 1$

$= 2995_{10}$

2996

OTB: 2996

6) 1) $3585 - 1 = 3584$

2) $3584 = 1792 \cdot 2 + 0$

$1792 = 597 \cdot 3 + 1$

$597 = 149 \cdot 4 + 1$

$149 = 29 \cdot 5 + 4$

$29 = 4 \cdot 6 + 5$

$4 = 0 \cdot 7 + 4$

OTB: 5762314

$\Rightarrow$ ~~(54110)!~~ (454110)!

3)

4	7654321	5
5	764371	7
4	64371	6
1	4321	2
1	431	3
0	41	1
0	44	4