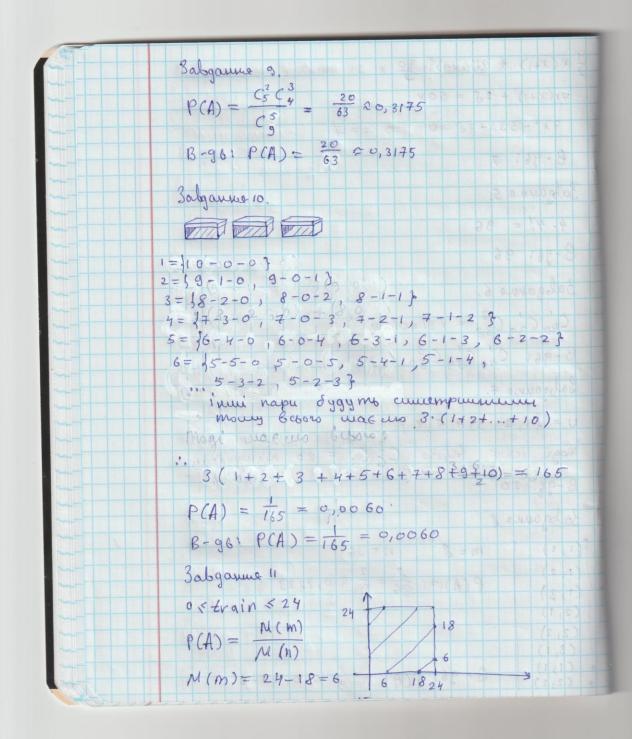
	Na sopamophe posome 1 Bapi'aum 8	1000
	Balgange 1.	7
	1234567 3!5!=6!=720	
١	3 20 300 4 9 1	
1	8-96! 720	
	Balgarne 2.	
	0	
1	16.15 = 120	
	2!	
	B-96:120	
	0 16.120	
	5 F 0 5 5 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1	
	Babgarra 3.	
	Obrucumu: A10 + A50	74
	Codiandina;	1 1 1 2
	A 5 -A 4	
	Repenuueus, on;	
	10! 10!	122
	11 + 51 / 5! + 41	
	4! 0! 120+2	4 =
	$\frac{10!}{4!} + \frac{10!}{5!} = \frac{10!}{9!} \left(\frac{5! + 4!}{5! - 4!} \right) = 10 \cdot \frac{120 + 2}{120 - 2}$ $\frac{9!}{4!} - \frac{9!}{5!} = \frac{9!}{9!} \left(\frac{5! - 4!}{5! - 4!} \right) = 10 \cdot \frac{120 + 2}{120 - 2}$	4
	41 - 71	P
		6
	B-96: 15	10
	3abganne 4.	
	$A_{x+1}^{x-1} + 2P_{x-1} = \frac{30}{7}P_x, x 71$	
	11 x+1	
	Repenuueuro:	
	(x+1) - (x 1) - 30 11	
	$\frac{(x+i)!}{(x+i)!} + 2(x-i)! = \frac{30}{7}x!$	

																							1
1	X(X+1) + 2	100	E 910	3	0	V																	
2	CATI			-	7							9											
	7x(x+1) + 28	=	60	x										7									
	TALATI) FE			1									Tr.										
	$7x^2 - 53x +$	28	=0		-	5	X	=	I					700									
									0				100										
	8-96: 7								A														
	0,0,7																						
	2-1-0-1-0-5																						
	3abjanne 5.																						
1	1. 1.1 0																						
	4. 4! = 91	0																	-				
	B-961 96											*					10	-1	-				
	0.10, 20																		il.		-		
	2.1						1	0		1		19					1	-					
	3abganno 6				-											15							
	1 1 3						6				-								1				
	C40 C39 C3	P	- / :	31	60	16	0		-	-		4					1	2		4			
	1 4 3 5 1 8			10				543											E				
	B-961 C40	, C.	39 (3	P		E.		42-		179						B	F	1	-			
				0	0														L				
	3abganna 7.					[3										0				1			
														Ľ,	L				1 -				
	U = {1, 2,	3,	4.5	10	6}	PU								E					L				
													12										
	Mogi icny E		640	20		C	6			F	2	0	r	ug	w	us	uc	u					
	1 1 1 5 1 = 1 1 N					12	0				+												
	B-96: 20																				1		
	Balganne 8																						
																1							
11	(1,1)	m	= 8			1	1 =	3	6														
															1								
,)	(1,2)	P	(A)	-	-	20	=	a	2	2 0	, 2	2:	23										
6	(1,3)					0		1						1					1				
	(2,1)							T															
	(2,2)																	1					
																		T					
	(3,1)			1				T		2													
1 +	(1,1)	R.	- 96	1	D	CA	1	-	1	-	2	() ,	22	2	3	To		1				





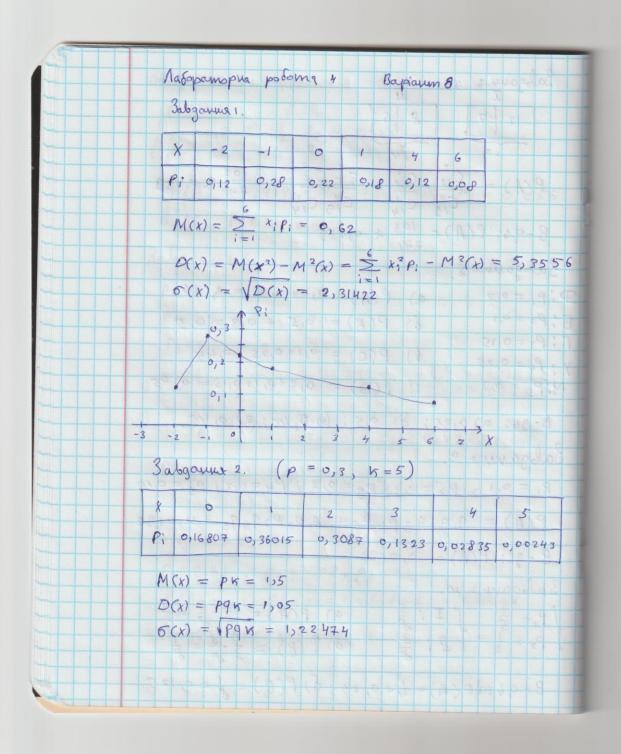
Masopamophe posome 2 Bapians
3abganne 1
 08 mcmm: + (2 A 9 - C4) + C5
P21 (#18 - 24) + 12
 B-981 2 792
3alganne 2.
$P(A) = \frac{C_1^2}{C_{10}^2} = \frac{7}{15}$
B-96: PCA) = 7 2 0,46
3 abganne 3.
P1 = 0,5, p2 = 0,4, P3 = 0,7
$P(A) = P_1 P_2 P_3 + Q_1 P_2 P_3 + P_1 P_2 Q_3 + Q_1 P_2 Q_3$ $= 0,4$
B-961 PCA) = 0,4
3 alganux 4.
7 3 4
(i) 0 [P ₁ (A ₀) = $\frac{C_{1}'}{C_{1}'_{4}} = \frac{1}{2}$
(1) (1) - 2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$P_2(A_0) = \frac{{C_1}^2}{{C_1}^2} = \frac{8}{12} = \frac{2}{3}$

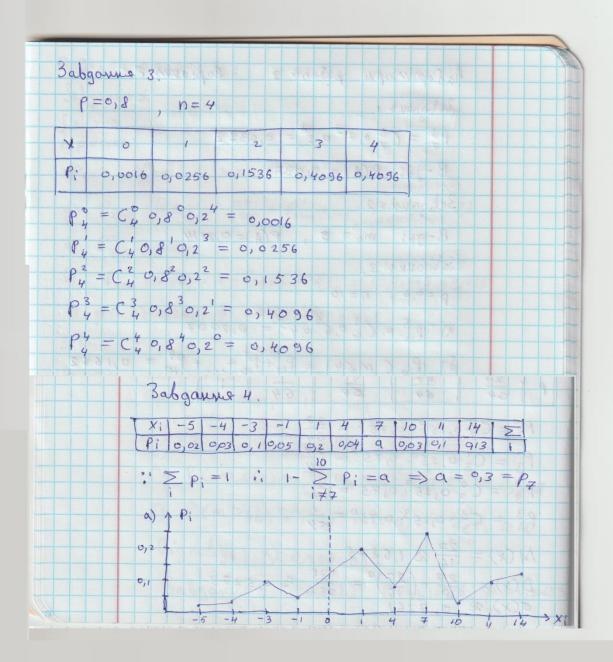
```
3abganna 7.
             \begin{cases} P_1 = 0, 1 \\ P_2 = 0, 15 \end{cases} = \begin{cases} q_1 = 0, 9 \\ q_2 = 0, 85 \\ q_3 = 0, 8 \end{cases}
          P(A) = 919293 = 0,612
       B-96: PCA) = 0,6.12
       3 abganne s.
      P,=0,95
         P2=0,86
         P3 = 0,89
       P(A) = 9,9293 = 0,00231
      B-96: P(A) = 0,00231
    3 abgannes.
          P(A) = \frac{m}{h}
         M = \binom{2}{25} \binom{18}{500 - 25} + \binom{3}{25} \binom{18-1}{500 - 25} + \binom{4}{25} \binom{18-2}{500 - 25} + \binom{18-2}{500 - 2
+ (20 (500-25
    n = \frac{0.20}{500}
 P(A) = \left(C_{25}^{2} C_{475}^{18} + C_{25}^{3} C_{475}^{17} + \dots + C_{25}^{20} C_{475}^{0}\right) : C_{50}^{20}
Brangens inusbipniems usu spansbang gemans
ogna oбо it sobain nemae;
P(\bar{A}) = \frac{C_{25}^{20}C_{475}^{20}}{C_{500}^{20}} + \frac{C_{25}^{1}C_{475}^{19}}{C_{500}^{20}} = 0,001
```

: P(A) = 0,999 B-96: P(A) = 0,999 Babganna 10 P1 = 0,85, P2 = 0,65, P3 = 0,45, P4 = 0,35 P(A) = 0,6.0,85+0,25.0,65+0,1.0,45+0,5.0,35 3big cu P(A) = 0,8925 B-9610,8925

Natopamopue podoma 3 Bapianum 8
3alogama, Harris
$P_7^5 = (\frac{5}{7}, 0, 7, \frac{5}{7}, 0, 3^2 = 0, 3177$
B-96; P(A) = 0, 3177
3abganne 2.
B-96: mo = 5, P(A)=0,2214
3abganne 3.
P=0,6, N=10
a) $P_{10}^{5} = C_{10}^{5} \circ, 6^{5} \circ, 4^{5} = 0,2007$
$\delta) P_{10}(m \leq 4) = P_{10} + P_{10} + + P_{10}^{4} = 0,1662$
1, 0 (0)
6) P10 (3 € m €5) = 0,3546
B-96; a) 0,2007; 8) 0,1662; 6) 0,3546
3abgarne 4.
n=400, p=0,8
$P_{n}(m, \leq m \leq m_{2}) = P(x_{2}) - P(x_{1})$
$9e \Phi(x) = \frac{1}{\sqrt{2\pi}} \int_{0}^{\infty} e^{-\frac{t^{2}}{2}} dt, x_{1} = \frac{m_{1} - np}{\sqrt{npq}}$ $3biqcu: \sqrt{npq}$
$\sqrt{2\pi} \int e^2 dt$, $x_i = \frac{\pi}{2\pi} - \frac{\pi}{2\pi}$
36 ègen: VnP9
a) = Proo (m > 300) = Proo 00 < m < 400) =
= 0 (10) - CD (-)
= \P(10) - \P(-2,5) = +0,4932 =0,9938
b) P400 (m>200) = P(10)-P(-15)=1

```
B-96: a) 0,9938; 8) 1
3alganno 5.
\begin{cases} h = 200 \implies \lambda = 0,025 \cdot 200 = 5 \\ \rho = 0,025 \end{cases}
Pm2 2m = 2, 2 = np, 1p/5/10
a) P_{200}(M \le 3) = P_{200}^{0} + P_{200}^{1} + \dots + P_{200}^{3} =
δ) Po = 0,0067
6) P200 (M74) = 1 - P200 (M(3) = 1-0,265 =0,735
B-96: a) 0,265; b) 0,0067; b) 0,735
3 abganne 6.
P=0,9, P(A) =0,95, m, = 200
 Pn(m 7m,) = P(A)
360gcu macus: Pm2 (200 < m < m2) = 0,95
  \Phi(0,33\sqrt{m_2}) - \Phi(\frac{200 - 0.9 \text{ m}_2}{\sqrt{m_2 \cdot 0.09}}) = 0.95
  \Phi(0, 33\sqrt{m_2}) - \Phi(\frac{666,66}{\sqrt{m_2}} - 3\sqrt{m_2}) = 0,95
  36igcu; m2 = 278
  B-96; 278
```





5)
$$(c, x \le -5)$$
 $(c, x \le -5)$
 $(c, x \le -5)$
 $(c, x \le -5)$
 $(c, x \le -4)$
 $(c, 5)$
 $(c, 4)$
 $(c, 5)$
 $(c, 4)$
 $(c, 4)$

$$A_{S} = -0,0262$$

$$U) E_{S} = \frac{M_{4}}{\sigma_{4}} - 3 = \frac{1}{\sigma_{4}} (V_{4} - 4V_{1}V_{3} + 6V_{1}^{2}V_{2} - 3V_{1}^{4}) - 3$$

$$E_{S} = -1,1077$$