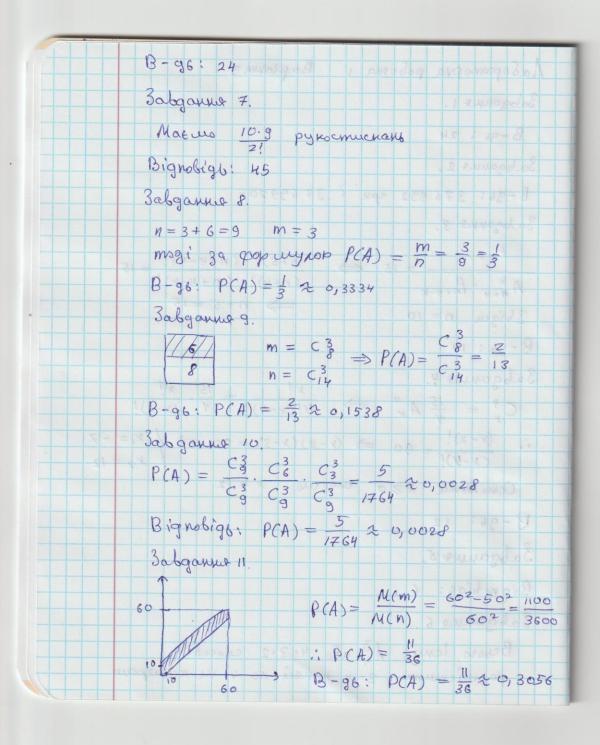
Na	goban	pygo	809	100	na	1		B	ap	io	w	19	10								
	pagann								,												
90	2 diense	× 1 ,																			
6	5-96:	24															1				
	bgann																				
B	-96:	376	992	1	pu	ľ	3	7	69	9 2	20	c									
	bgarm																				
	Pn+5	8	a_	15	1			(n +	5)	1.	(n-	+ 49	-1	5)	TH		100		
F	K.	Pn+H-			4.5	88		(n-	+ 4)!	. (n	+	4-	k)	1		15		
									3	>	Y	1+	- 5	=	= 1	5					
	biga																7				
B.	-96:	10													2						
30	bgons	10. 4													2						
	gon	7.					119	X	!					15		X	1				
(2 4 =	15	Ax	9	8	>	3	1!	(x	-4)!	N	q	4		CX	-2)!			
	(x - 2	4)! -	90		\Rightarrow	(X	- 2) (X-	-3)) =	= 0	0	LH)	1	XI	=	- 7	
																A	9	1	7	- 12	
	Derino	na	XZ	0		are	EU	10		1		-1	2								
13	-96:	12																			
100						2 5				1							4				
Ja	bgan	48 5									4	1									
Bi	g no bic	16:	6													1					
							9														
Ja	bgan	ma 6	. (13	13/3			-														
(30000	icu	46	A	3	30	-	4.	2.	2	-	. 60	0.0	20	11						
	pozum	CIMILI	Je	-	4	701	(0)	0	7	4		10	,		10		61	00			



1a80 pamapua 1	oosomo	2	Basi	aum c	1 (2)	39	8
3abganna 1.			8	100			
B-96: -4:	55, 87	96	\$ 1 5 1	SPD PCB,	30	(45)	
3abganne 2.				, Gus		P/A	
Tucua, uzo	gines	emoce moce	ka 3	: 3,6;	9,12	, 15, 18,	21,24,27,30
.; m = 13 =							, 28}
360gcy P(A	13		Chart				
Bignobigs: P			9	1 =			
3aba aun 2	016	01/20				= 7	
$\rho_1 = 0.81$ $\rho_2 = 0.83$	$q_1 = 0$	19	10 -1				
P3 = 0,85)	73=91	5				or co	
$P(A) = P_1 q_2$				P3 =	0,04		
Bignobigs: 3abganne 4.	1(H) =	= 0,0,	+1 30 8				
$P(A) = \frac{1}{4}(\frac{3}{4})$	+ 2+	1/4) =	3				
B-96: PCA)				305	200	- 6	
$3abganne 5.$ $P(A_1) = \frac{C_{40}^3}{C_{40}^3}$			10.0	C3F	800	300	
C_{40}^{3}	0	s PC	A2)=	C30	2 2	9762	0,6625

 $P(A_3) = \frac{C_{25}^3}{C_{40}^3} = \frac{115}{494} \approx 0,2328$ $P(A_4) = \frac{C_{10}^3}{C_{40}^3} = \frac{3}{247} \approx 0,0121$ $P(A) = \frac{8}{20}P(A_1) + \frac{6}{20}P(A_2) + \frac{4}{20}P(A_3) + \frac{2}{20}P(A_4)$ => P(A) = 0, 6455 a) $P_A(B_2) = \frac{6}{20} \cdot \frac{0,6025}{0,6455} \approx 0,3079$ 8) PA (By) = 20 . 0,0121 20,0056 B-96: P(A) = 0,6455; a) 0,3079; 8,0,0056 3 ab ganna 6. Pro (m > 1) = 1- Pro (m21) = 1- Pro Pm = Cm pmqn-m => Po = 100 i. Pio (m>1) = 1- 210 20,999 023 B-96: 1-210 2 0,999 023 a60 1023 3 abganne 7. $\rho_2 = 0.9, \quad q_1 = 0.5$ $\rho_3 = 0.6, \quad q_3 = 0.4$ $\rho_4 = 0.6, \quad q_3 = 0.4$ B-96: 0,02 3 abgarne 8. P, = 0,95, 9=0,05 P2 = 0,98 , 92 = 0,02 P3 = 0,93 , 93 = 0,07 $P(A) = \frac{1}{3}(0,05+0,02+0,07) = \frac{7}{150} \approx 0,6467$ B-96:150 2 90467

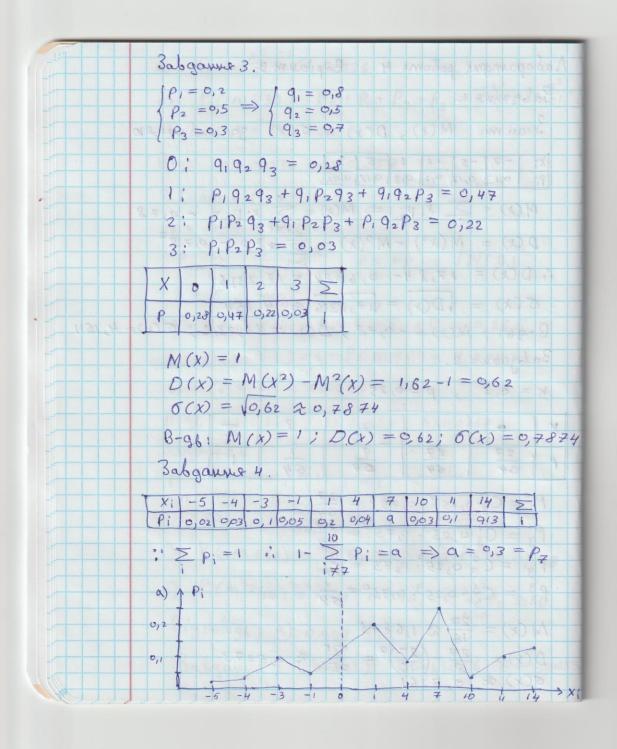
```
3abganne 9.
      B-96: 41,4506 pazu => 1-0,64=0,8404
  P = 94 \Rightarrow 9 = 0.6
  Babganne 10.
  P1 = 0, 8 , 9, = 0,2
 \rho_2 = 0.9, q_2 = 0.1
  P(A) = 91P2 = 0,18
 Bignobigs; P(A) = 0,18
 Лаборатория роботя з Варіант я
 Babganne 1.
  p = 0,1 => 9 = 0,9
   P30 = (30 0,10 0,920 20,000 365277
 Bignobigs: 0,000365277
 3abganne 3.
  P = 0,7, q = 0,3
  a) Pro = Cto. 0,77, 9,33 20,266828
  \delta) P_{10} (m \geqslant 8) = P_{10}^{8} + P_{10}^{9} + P_{10}^{10} \approx 0, 38 2483
6) Po = Co 0, 400, 30 = 0,00006
 B-96: a) 0,2668; S) 0,3829; 6) 6:106
Babganne 4.
```

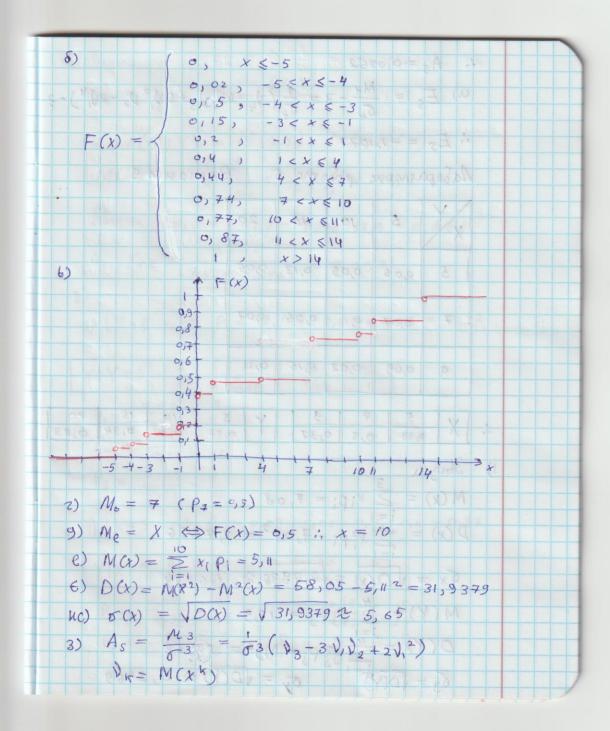
```
a) P = 25-2 20,036
      \delta) P(m \leq 3) = P_0 + P_1 + P_2 + P_3 = e^{-2}(1 + 2 + \frac{2^2}{2!} + \frac{1}{3})
  : P(ms3) = 0,8571;
     B-96: a) 0,036 ; 8) 0,8571
       Babganne 5.
            p = \frac{0.5}{100} = 9005 n = 1000

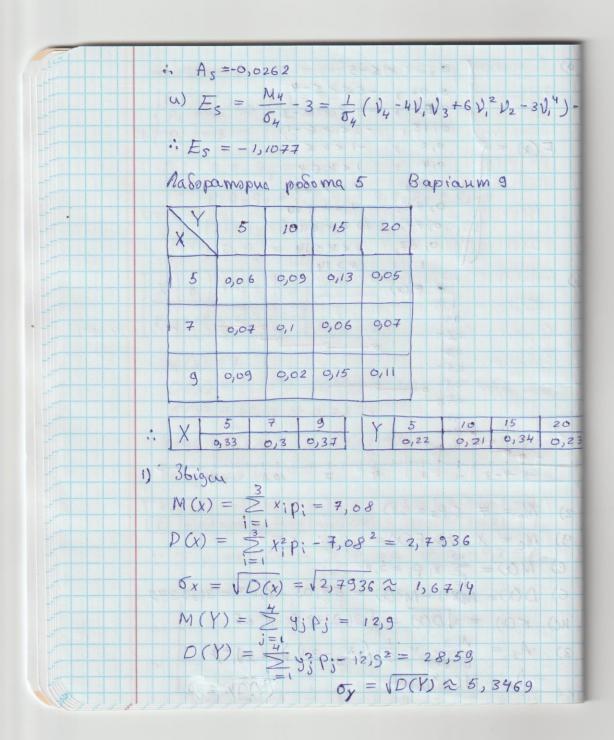
p = \frac{0.5}{100} = 9005 n = 1000

p = \frac{0.5}{100} = 9005 n = 1000
             7 = 5, magi:
        a) P(m \le 3) = P_0 + P_1 + P_2 + P_3 = 0,265
         8) P(m > 6) = 1 - P(m < 6) = 0,384
        6) Po = e = 2 0,0067
        B-96: a) 0,265; 8) 0,384; 6) 0,0067
    Balganne 6.
          P = 0,05
                                                               m_1 = 12, m_2 = 40
m = 400
\Rightarrow \lambda = 20
m_1 = \frac{100}{m_1}
m_2 = \frac{100}{100}
m_3 = \frac{12}{m_2}
m_4 = \frac{12}{m_1}
m_4 = \frac{12}{m_2}
m_5 = \frac{12}{m_1}
m_6 = \frac
    δ) P(m = 40) = 1 - P(m < 40) = 1 - ≥ P ≈ 0
     Bignodige: 9) 0,998 8) 0
        3abganne 2 (Exect) B-96:516, P=0,20659
```

	Nasopamopue posome 4 Bapiaum 9 3 mosas
	Babganne 1.
	3 rai mi M(x), D(x) i o(x) za masnuyer
	P: 0,13 0,17 9,2 0,3 0,18 0,02
	$M(x) = \sum_{i} x_{i} p_{i} \Rightarrow M(x) = \sum_{i} x_{i} p_{i} = -\omega, 78$
H	$D(x) = M(x^2) - M^2(x) = \sum_{i=1}^{6} x^2 p_i - o_{i,7} g^2$
	i. D(x) = 17,84-0,6084 = 17,2316
	$\delta(x) = \sqrt{D(x)} = \sqrt{17,2316} \approx 4,1511$
	B-96: M(x) = -0.78; D(x) = 17,2316; G(x) = 4,1511
	Babganne 2.
	y = 3, $p = 0,25$
	458505 480 + (8) 5
	X 2 2 3 5
	P 64 64 64 64
	$P_3^{\circ} = C_3^{\circ} \cdot 0,25^{\circ} \cdot 0,75^{3} = \frac{27}{64}$
	$P_3' = C_3' \cdot 0, 25' \cdot 0, 75^2 = \frac{27}{64}$
	$P_3^2 = C_3^2 \circ, 25^2 \circ, 75^4 = \frac{9}{64}$
\blacksquare	$\rho_{3}^{3} = c_{3}^{3} \cdot o_{,25}^{3} \cdot o_{,75}^{0} = \frac{1}{64}$
	$M(x) = \frac{27}{16} \approx 1,6875$
	$D(x) = \frac{27}{8} - \left(\frac{27}{16}\right)^2 = \frac{135}{256} \approx 0,5273$
	$6(x) \approx 0,7261$







$$r_{XY} = \frac{K_{XY}}{6 \times 6 Y} = \frac{\omega_{Y}}{0 \times 6 Y} = \frac{\omega_{Y}}{0 \times 6 Y}$$

$$cov(X;Y) = M(XY) - M(X)M(Y)$$

$$M(XY) = \sum_{i=1}^{3} \sum_{j=1}^{4} X_{i} y_{j} P_{ij} = 92, 2$$

$$3bigan K_{XY} = 92, 2 - 7, 08.12, 9 = 0, 868$$

$$K_{XY} = \frac{0, 868}{36714.5,3469} \approx 0, 0971$$

$$X[Y = 5] \Rightarrow P = 0, 06 + 0, 07 + 0, 05 = 0, 22$$

$$X[Y = 5] \Rightarrow P = 0, 06 + 0, 07 + 0, 05 = 0, 22$$

$$X[Y = 5] \Rightarrow P = 0, 06 + 0, 07 + 0, 05 = 0, 22$$

$$X[Y = 5] \Rightarrow P = 0, 06 + 0, 07 + 0, 05 = 0, 22$$

$$X[Y = 5] \Rightarrow P = 0, 06 + 0, 07 + 0, 05 = 0, 22$$

$$X[Y = 5] \Rightarrow P = 0, 06 + 0, 07 + 0, 05 = 0, 22$$

$$X[Y = 5] \Rightarrow P = 0, 06 + 0, 07 + 0, 05 = 0, 22$$

$$X[Y = 5] \Rightarrow P = 0, 06 + 0, 07 + 0, 05 = 0, 22$$

$$Y[X = 5] \Rightarrow P = 0, 06 + 0, 07 + 0, 05 = 0, 22$$

$$Y[X = 7] \Rightarrow P = 0, 07 + 0$$

 $M(X|Y=5) = \frac{80}{11} \approx 7,2727$ $M(Y|X=9) = \frac{510}{37} \approx 13,7837$ 4)