## Bapuarin 23 Sumpol

1	Cx = 180 +1814
1	24'=-186-187K
2	[14:1,4,1,28]
3	329046 mod 881730
4	44
5	$P(x) = x^4 + 4x^3 + 2x^2 + 5x + 5$
6	Pagnotianblituse roptien tiem
7	2310=356
8	473 mod 94 = 61 mod 94
3	[4,4,1,4,4,5]
19	$\chi^2 + 2x + 2$

```
P(x) = 4 - 2
   X = 11 mod 35 ; X = 28 mod 34 ; X = 3 mod 39 ; X = 4 mod 13
30
   1) M=35 34-39-13=881790
   M1=25134 M3=22610
   M2=25335 M4=46410
   2) 25 194x, - 35y=1
                              r 25194 35 23 6 5 1
9 719 1 4 1 5
      X1=-6
                              × 1 0 1 -15-6
                              r 25935 34 27 7 6 1
      25935x2-34y=1
                              9 762 1 3 1 6
                              x 1 0 1-1 4-5
      ×2=-5
mbe
      22610x3-33y=1
                             1 22610 33 29 10 3 1
9 573 1 2 1 3
× 1 0 1 -1 3-4
      X3=-4
                            r 4641019 12 7 5 2 1
9 2442 1 1 1 2 2
x 1 0 1-1 2.-3
      46410 x4- 19y=1
      X4=8
   3) x = (25194(-11).11+25935.(-5).28+22610(-4).3 +48410.8.4
     X= -4 07994 mod 881790
    -5465574+881730-$ 323046
4079904 881730-$ 323046 =>X= 323046 mod88/780
    Ombem: 323046 mod 881730
```

61 mod 94 = x 65x = 61 mod 94

65x - 94y = 61 y' = -y20D165;94)=1=>

63 x+94g'=1

94=1.65+29

65=29.2 +7

29=数7.4+1

7=7.1

r 65 34 65 23 7 4 9 0 1 2 4 7 x 1 0 1 -4 3-13 x=-13, no - 13 £ 2gy = 34-13=81

X781-7=567

X= 567 mod 94 = 473 mod 34 x = 567+94K, KEZ

Ombern: 473 mod 94 = 61 mod 94

3179x -30774 =- 102

1) Syems 4'-- y = > 3179x + 3077g=-102

XOP(3179, 3077)=17

187x+1814=-6

MARINEST PR

3173=3077-1+102

3077=30-102+17

102=6.17

1-1 0 1 2

r 18 = 181 6 1

9 1 30 6

X 1 0 1 -30

901-139

Sx=180+181k

(y'=+186+187K

Гуроверка

3179(+180+181 K)+(3077)(186-187K)=-102

amben: 5x =+180+181 K 2y'=-186-187k 1K6Z Xo=-30, yo'=39

 $x_1 = x_0 \cdot \frac{C}{d} = -30 \cdot (+6) = +180$ 

g= go. = 31.(16)=+186

$$P(x) = \frac{(x+3)(x-1)(x+4)(x+2)}{2 \cdot (-2) \cdot 3 \cdot 1} (-1) + \frac{(x+1)(x-1)(x+4)(x+2)}{(-2)(-4)(1)(-1)} (-19) +$$

$$= \frac{(x^2 - x + 3x + 2)(x^2 + 2x + 4x + 8)}{-12} (-0 + \frac{(x^2 - 1)(x^2 + 2x + 4x + 8)}{-8} (-19) + \frac{(x^2 + 3x + x + 3)(x^2 + 6x + 8)}{120} (-19)$$

$$\times 17 + \frac{1}{30} \times \frac{$$

$$=\frac{1}{12}(x^{4}+8x^{3}+17x^{2}+38x-24)+\frac{13}{8}(x^{4}+6x^{3}+7x^{2}-6x-8)+\frac{17}{120}(x^{4}+10x^{3}+35x^{2}+5x^{2}+6x^{2}+10x^{3}+35x^{2}+5x^{2}+6x^{2}+10x^{3}+35x^{2}+6x^{2}+10x^{3}+10x^{2}+10x^{3}+10x^{2$$

$$+\frac{17}{30}$$
 (\$135)  $x^4 + 5x^3 + 5x^2 - 5x - 6$ )  $-\frac{13}{6}$   $(x^4 + 4x^3 + 11x^2 - 7x - 12) =$ 

$$= x^{4} \left( \frac{1}{12} + \frac{19}{8} + \frac{14}{120} + \frac{14}{30} - \frac{13}{6} \right) + x^{3} \left( \frac{11}{8} + \frac{8}{12} + \frac{140}{120} + \frac{85}{30} + \frac{31}{8} \right)$$

$$= x^{4} \left( \frac{1}{12} + \frac{19}{8} + \frac{14}{120} + \frac{14}{30} - \frac{13}{6} \right) + x^{3} \left( \frac{11}{8} + \frac{8}{12} + \frac{140}{120} + \frac{85}{30} + \frac{31}{8} \right)$$

$$+\frac{117}{12} + \frac{133}{9} + \frac{598}{120} + \frac{85}{30} + \frac{143}{6} + \frac{114}{9} + \frac{850}{120} + \frac{85}{30} + \frac{114}{9} + \frac{850}{120} + \frac{85}{30} + \frac{114}{9} + \frac{114}{9$$

$$+\frac{31}{6}$$
 +  $\left(\frac{14}{12} + 19 + \frac{408}{120} - \frac{102}{30} + 26\right) = x^{4} + 4x^{2} + 2x^{2} + 5x + 5$   
Symbology

Typolephy

Bapuc

[1

Í

8

9

4x +142 = 4146

1 cnocos

4 = 40

1426 = 6210

3. 4146 = 15410

4x+62=154

4x= 154-67

4x=92

x=23

2310 = 356

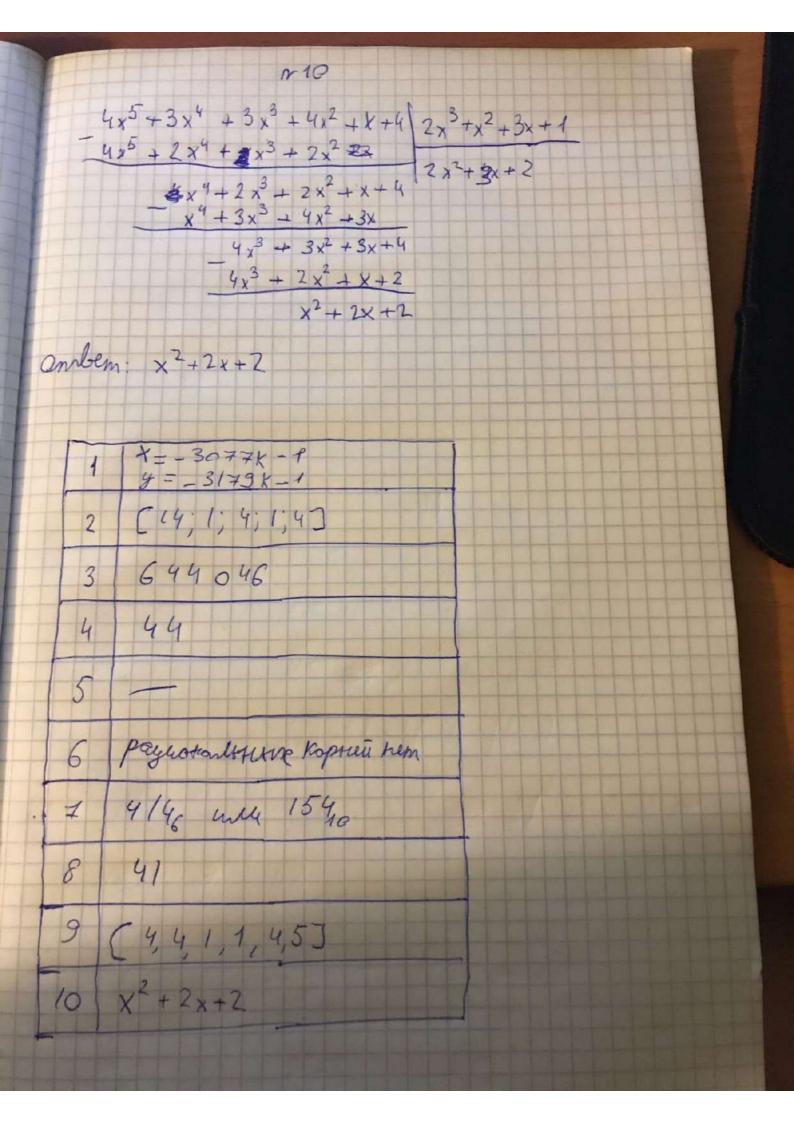
Ondern; 35

2 enocos

224 22 434 414

Преверга.

4.23+62=1542 -> Ropen enigeren begro.



Bepuation 23 3179x - 30774 =-102 3175 (-1) = -102 31491-11-3077-1-11-3179x-30774 31791-1-1) = 3077(-1-9) 1-1-9/= 3/7 9 K 3179(-1-x)=3077.3179k -1-X=3977K 1+8=-30775 x= -30 77 K-1 4=-3179K-1 1220

r 22610 39 29 10 9 579 1 2 1 9 1 -1 3 -4 X3=-4 -4 mod 39 = 35 mod 39 r 46410 19 12 7 5 2 2442 1 1 1 2 X 1 0 1 -1 Xy = g X = 25 134 . 1291. 11 2 25935 . 1201.28 + 25 \$ 10 . (25) - 3 + +46410 8.4) mod 881790 = 33270276 mod 88/790 Jipolepra 644046 = 14 mod 35 2mbern: 6 44046 644046 = 28 mod 34 644096=3 mod 39 644046= 4 mad19

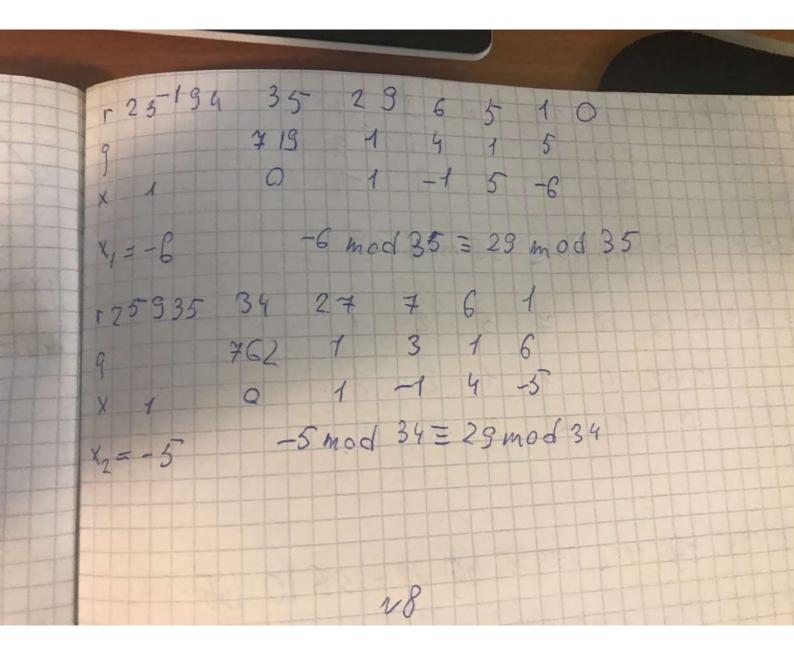
+ 1,43 = 4x0+3x -1 3x +4x Ombem: 2, 25 x2 + 4, 75 x + 5, 75 NB x4 \_5x3 - 6x2+72-2 54polepha f(1)=-5 1-5-67-2 f(-1) =-9 1 1 -4 -10 -3 -5 f(2)=-36 -11-607-3 f(-2)=16 2 1 -3 -17 -17 -36 -21-78-916 omben: Prynosalbswor Ropselle Hem.

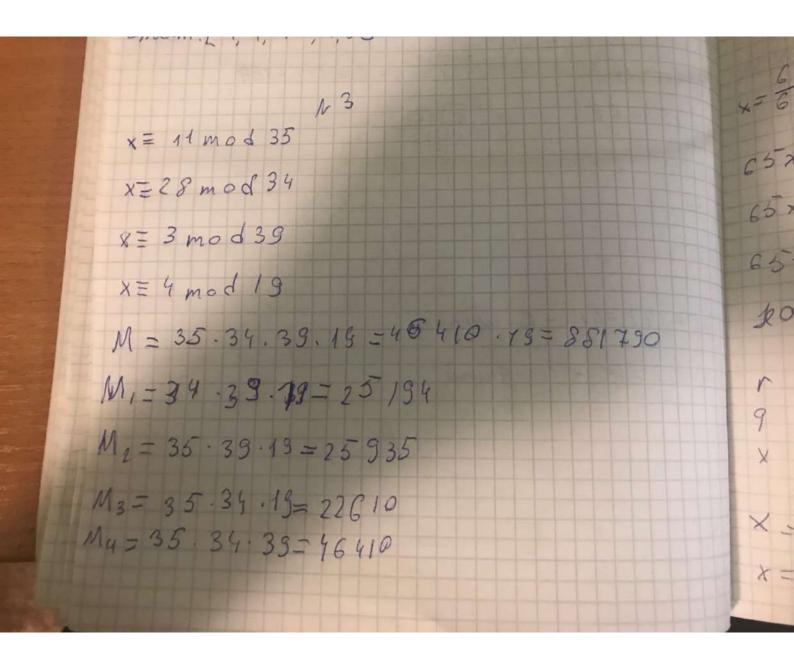
+ 9.75,2+475,+	P +		
+1,201 +4,401	142=414 1x+62=154	210 142 = 2 +24 + 810 414 = 4+6+	
(1) = -5	1x=92 x=23	23 <u>6</u> 18 3	
1-2)=16	4.35 + 142 = 414 - 6	- wykoń	
	4.23+62=154-10-		

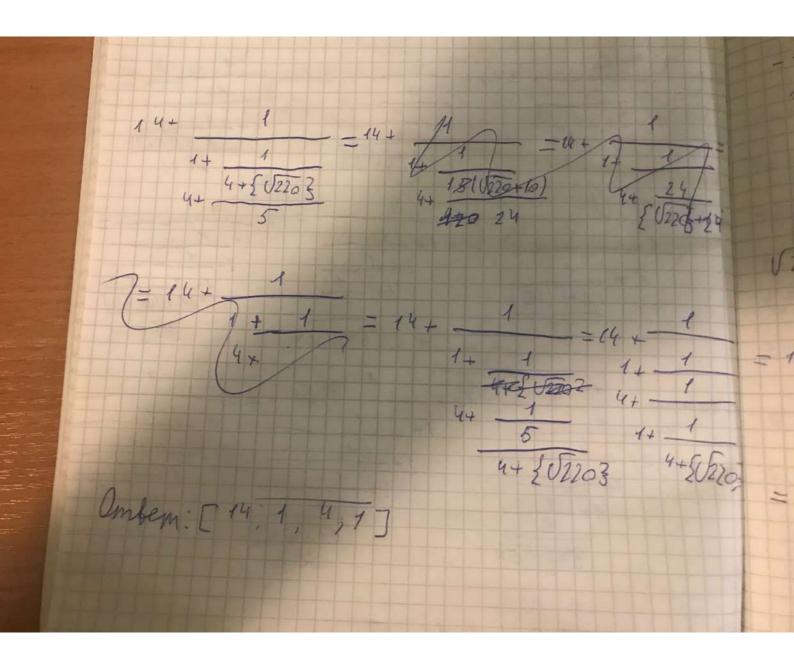
 $\frac{762}{9}$   $\frac{7}{4}$   $\frac{$ X2 = -5 28 x565 modg 4 652x = 61 mod 94 65x - 944 = 61 4'=4 65×+944'=61 JOD 165, 941-1 9 65 94 65 29 7 40 3 - 13 X= 113.61 + 94 = 793+94K X=7-33 mod 94 = 41 Ombern. 41

N18 2x3+x2+3x41 4 x5 + 3x4 + 3x3 + 4x2 + x + 4 4 x5 +2x4 +6 x3 + 2x2 2x2+ 5x-13 x4-3x3+2x2 + x+4 x4 + = x3 + 1,5x2 + 7 x -35x3+0,5x2+9x+4 -3,6x3-13x2-37x+13 226x2+975x4575 Typolegia: (2x2+1x-1=) · (2x3+x2+3x+1) + 225x2+475x+ +5,75 = 4x5+3x4+3x3+4x2+x+4 Ombem: 2, 25 x2 + 4, 75 x + 5, 75 x4 \_5x3 - 6x2+72-2 5400 f(4)=-5 1-5-67-2 F(-1) =-9 1 1 -4 -10 -3 -5 -11-607-9 H(2) =-36

mg 4+ 26 47 44 1 1+ 21 Ombem: [4,4,1,1,4,5] = 11 mod 35 =28 mod 34 3 mod 39 4 mod 19







N2 14 + 1220 14 = 14 1220 14+ 1 1 220-196 24 = 14 4+1 124. (220 +10) 802203

= V220 +14 1121 mod 59 K=2179 ->18 mod 59 4159 = 58 K = 2173 = 58n + B B= # 2179 mod 58 4(58) = 4(2) - 4(23) = 28 B= 21 = 28.2+23 mod 58 = 2923 mod 58 a = 218, m = 1, K-58 23,0-10/11 c2991 modk 25725 1225 20/84 1 55 3095 63525

