```
Jup N3
                                                                                               Bapuann No
   k= 12, 1= 15
   [9,6]=[+,5]] =[-12,75]
    P(x)=2005 K 1+2x (3x-f) = 2(05 12x+2x (31-3)-12
   E(x)= Ex+ 5 X (x+1/25 X (xx +/+23 = Ex+5 X (111)+5 X (1x-12)+ x3
    1) Pynkous XEBUCAUSA
OB f(x) \chi(3x-3) = > 3x-320=7x21 = > S f(x) d f(x) = S f(x) d f(x) + S f(x) d f(x)
08 F(x) Z(x++) => 22-1=> paspais & x=-7
                                 X (4x-12)=>123 = p41p41B B 3
              B smux moncox FIN gerubm church 1142
    2) Es SP(Y) &F(X) = SF(X), F'(X) &X + EF(0). AF(0), 196
             DAF(C) = F(C+)-F(C-)-126402 8 move 6 C
           of (c) - 346466 40-4 0 monte
       Молучаем такую формулу:
   \int_{0}^{25} f(x) \, df(x) = \int_{0}^{2} f(x) \cdot f'(x) \, dx + \int_{0}^{25} f(x) \, dx + \int_{0}^{25} f(x) \, dx + \int_{0}^{25} f(x) \, dx
                                             nopobili yuarant Bropo ii yuarane (kaunt 13-1 (kaunt 15)
3) F(x)=ex+2 Z(x+1)+2 Z(4x-12)+23=> F'(x)=ex+3x2
         Manapa parnumen +(x)
   *On - 72 50 1, 151=> 2(3x-3)=0=> f(x)=2(0s(12x)-x2
 · Om 1 60 35, 3gich x21 => X (3x-3)=1 => f(x)=210x (12x)+2-x3
  4) Thenops nogemaisum aci B gopmysy:
  \int_{-12}^{25} \int_{-12}^{25} (2\cos 12z - x^2) (e^{x} + 3x^2) dz + \int_{-12}^{25} (2\cos 12z + 2 - x^2) (e^{x} + 3x^2) dx + 2 (2\cos 1-2) - 2
  -1)+2(2005(36)-7
```

(300 fin Brime manucams); P(-1)=2005(-72)-1 F(3)=2005(36) +2-9=2005(36)-7

BCE, 4mo HGIOGAMIA BHE UMMEZPENES: 2 (2(05(-72) - 1+2(2(05(36)-3 = 3,3744-1 1-7 +9572 = -5,1346 Jueneps Возман первый инперрал. In=) (2005 122 - 22/18/+363)dx =) (2005 12x6+ 6x2005 12x - x26x - 3x4)dx = = \$ 2 (05 12x Exdx + \ \ 6x \ (05 72x dx - \ \) 2 \ \ -12 $\frac{1}{s^{2}\cos(nz)}e^{2}dz = \left(\frac{24e^{2}\sin(nz)}{14s} + \frac{26^{2}\cos(nz)}{14s}\right)^{\frac{1}{2}} = \frac{24\sin(nz)}{14s}e^{2}dz$ + 246 145: h(74) + 26 13 (05(12)) = -0,209733 · 5 622 cos 121 dx = 5 in 122 (21 - 144) + 7 cos 121 | 7 = 703(75 in (164) + 244) , cos (24)+ 37 sin(22) + 22 (05 (12) . 144 = -34,673237 • Sx2 Exdx = (x2-2x+2) Ex = = Ex-120 = 2,777233 · 5 32 7 dx = 3,5 | 1 = 7 46402 = 140290,8 Theneps nocuunus in J,: -0,209773+ (-34,673232 Диилогично постипивы Второй интеграл $I_2 = \int_{0.27}^{35} (2(0512x + 2 - x^2))(6^5 - 3x^3)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x^2)dx = \int_{0.27}^{35} (2(0512x + 2 + x^2))(6^5 - 2 + x$ - 3 32 dx + 326 dx + 56 x 3 dx * 3x7dx = 3e5 | 35 = 3179140622 = 1,424, 109 · 562 8x = 2 x3 / 35 = 8437 48 = 8,43778.705 · \$26*1x = 26* 1,35 = 2,675 - 26 = 4,4665 . 1032 · 5 x26 dx = (x2-2x+29 x 1 25 = 3473635-6 = 3,047.7036 · \$ (x3 cos 72xd) = (2 - 14) sin 12x + 2 (05 761) = 4048885in(800 +800(0)(900) - 715ih(7)) -72 (05(72) - 1 = 2806, 92 = 2,807 . 103

· 3 2 2 (1 1 1 1 6 4) = 24 6 5 in 12 1 + 36 4 (0) 71 x - 24 6 35 in 100 + 26 25 cosson--246 sin 12-15 (01 12 , 1 2 6, 453 . 1037 Meneph hocuma 6m 4mozoshi ompon:
-5,1376 + (-1493374) -7,424.10 + 8,43715 -10 5 + 4,4665-1032 -2,042.7086
+ 2,502.103 + 6,2-1037 2 -2,047-7036

Omnon: -2042.7036