co or st Three pates a guipophi) Интегриров. размон. дробей P(x) Pun a Q(x) - MHOTORIENDI det for the Pan aw-man of spaywonauman going Let ECUM CTENENT MHYA PON < CT MH 41 QUE > no groot- malents nat , 8180 nempa bunenas Mpuneranne Еми дробь неправ - можно разделить Pora Que a rongenta Bospax Q(x) - Po(x) + Po(x), rge Po(x) - yellax 1 rpu generum , a Pila - rpal gods Po(x), Pico, Qux) - monorwall

1 (254 p) dx + (B - 2) ( 2 perg = Pa Jaco Signal and a series of the ser I to dx = ( prodx + for to У разычение правываний укой на проститие (4) x2+px+9-x2+2x2p+(4p) - (1p) +9 Тико греб. дроб / простойн (очеменари) дроби I)  $\frac{A}{x-a}$  2 A, a - xa = xII)  $\frac{A}{(x-a)^2}$   $\int \frac{A}{x-a} dx$  ,  $\int \frac{A}{(x-a)^2} dx$  -1/2) 1 = 19- 1 - 19- 1 - 19- 1 Mocraile (Tashada modina rash) = 199-15 III) Ax+B A,B, P, q E R 1. prigo Deo(p. 4900) Алгерина решения heropurm powerent 1/Ax + B= = (x+P)+ (B-4) 1/Ax+ B= \$ (2x+A) + (B-4) 29 (x - px - g ) - 2x+p (x+ Px+9) = 24+ P

= \$ ( tappy - 18-46) ( di ( to the contraction Com 8) (VX yout - dods - d - 20-2 - ( dg Enders place gagazer , go 101 ag, som ne mylum noted (ne figure

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Primerice Jagan
            Stavio Per, 4- A Per The Res - seco
        > Cx-7= 2(2x+1)+(-7-(-4))=5 (en) +(-19)=
      =3. \[ \left( \frac{1}{2} \text{And } \frac{1}{2} \] - 19 \[ \int \frac{1}{2} \text{And } \frac{1}{2} \] = \[ \frac{1}{2} \frac{1}{2} \text{And } \frac{1}{2} \] + \[ \frac{1}{2} \text{And } \frac{1}{2} \] = \[ \frac{1}{2} \text{And } \frac{1}{2} \] + \[ \frac{1}{2} \text{And } \frac{1}{2} \] = \[ \frac{1}{2} \text{And } \frac{1}{2} \] = \[ \frac{1}{2} \text{And } \frac{1}{2} \] + \[ \frac{1}{2} \text{And } \frac{1}{2} \] = \[ \frac{1}{2} \text{And } \frac{1}
                 a=159-6 = [15-4 = 15 = 3]
                                        x2+4x+13=42+3 7=
          =3 ( de = 19 ) dy = 3 /4/61 - 19 . 3 ercey 1 + C =
   =3 /n (x2+1/2) - 13. 1 arosy 42 +C=
     = 3 m (x+4+13) - 19 = arreg = -C
                                ->8x+5 = 4(2x-2) +(5+ 3.2) =+1(2x-2)+15 = 4. (1x-2x m)
115. STE-2XHA - 1 09 4- 2 4 2 ] = X+ 1 + dy-(x-1) dx = dx
            1-[19.E] ] - 4 ( $ -10. SB) -
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$$\int \frac{3y \cdot 5}{(x^2 - 2y + 1)^2} dx = \int \int \frac{4 \cdot 8}{4 \cdot 9 \cdot 17} \cdot \frac{1}{6 \cdot 9 \cdot 17} \cdot \frac{1}{16 \cdot 2}$$

$$= \int \frac{(2y - 2)}{(x^2 - 2y + 17)^2} dx + (5 + 3) \cdot \int \frac{dx}{(x^2 - 2x + 17)^2} = \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx + (5 + 3) \cdot \int \frac{dx}{(x^2 - 2x + 17)^2} = \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx + \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx = \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx + \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx = \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx + \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx = \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx + \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx = \frac{1}{2} \int \frac{dx}{(x^2 - 2x + 17)^2} dx + \frac{1}{2} \int \frac{dx}{(x^2 - 2x +$$

( dx = [ yext = 1019:71 , 10 - 129 - 10] = 1  $= \sqrt{\frac{d^{\frac{1}{2}}}{y^{\frac{1}{2}} + a^{\frac{1}{2}}}} = \sqrt{\frac{a}{16 - 100}} + \sqrt{\frac{a}{16 - 100$ [ 4-67=-640 ]= [ 4-67=-640 = 1 (12x-2) dx + (6+1) - (1+2x+17 = = \[ \left( = \frac{1}{2} = \f = 1 In/e/+ 7 (789-9 droing 2x-2)+C= = 1/n | x-2x=12| + 14 arcty x-1 + C = 1/2 | 1/2-2x+17 | + 1 = arcty +1 (4x-1)dx = [A=4; B=-L, p=1; 9-1] = 2 [(x + 1)dx + (-1-2) = 2 \ \frac{de}{4} - 3 \cdot \frac{dg}{g^2+3/4} = 2 \ln|\ell - 3 \cdot \frac{2g}{3} \cdot \arcsq \frac{2g}{13} \right) + C =

