```
3. Un espai e novuentuba ropha ipaninga.
                                                                    формула на 4+отон- Laurdниц.
Xey Ticka f(x) & un. by 19,6]=> + x & 1a,6]=>f & un. 614 14,x]=>
       J f(1) dt, x f [a, 6] => F (x)= f(t) dt, x f [a, 6] unterp. Karo de
                                                                             G (x1= $f(+) d+, x+19, 6] xar rpanninga
                                                                            c unt bly 19, 6] -> F(x)= Jf(t)dt e
                                           JAKO J.(x)
    [ (x+1x)-T(x)= )f(+)d+- )f(+)d+= ]f(+)d+- ]f(+)d+- ]f(+)d+
    HEKA (F(X+ DX) - F(X))= ktox f(t) dt | = ( j 1f(t)) dt |
    1(x)- usa by la, 6]=> e orp 614 [a, 6] =>
     J H >0: If[x) [ = M + x & 10, 6]=>
         [] [f(+)d+] = U[] 1 U[x] = U[] [x]
           O = AF (X+AX) LF(X) = MILAX
       => limiff(x+ 1x)-f(x)]=0=>f(x)-4+np 666+7. x flo,6]
            reopena
                                          -> f(x) e dup 6 7. 200. Tou toba f'(x0)=j(x0)
   J? F'(xo) = f(xo) & live & F 260;

Lx - f(xo) = f(xo) & live & x->vo dx = f(xo)?

Lx - f(xo) = f(xo) = f(xo) (4x : xo fdx & for6J) =
  = 1 xotax f(x)dt - 1 xotax f(xo) dt = 2 xotax f(xo) dt = 2 xotax f(xo) f(xo) f dt = 2 xotax f(xo) f dt
   YUX: XO + D XO & La, BJ, IXXI cd => If (xo+1x) ( ce=
     x + l0,6]: | x-x0| < 0 => | +(x)-f(x0) | < E
     1 1 - f(x0) 2 | 1 x x (f(+)-f(x0)) olt | = 1 x . [f(+)-f(x0)] olt | =
           1 1 1 | (xo) of | *
      · JELXO, VOLXXJ IX >O
                                                                        12x120=>1+-40/20
           ZL [XOTAX, XO] XX CO
                                                                        1f(+)-f(x0) ZE =>
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=> lim of = f(xo) =>] F'(xo)=f(xo) entderbueil Ako fix) & nthp. big to, bJ=7 f(x)= jf(x) dx e Dud bly 10,6]. Tipu 706a f'(x)=f(x), 4x f [a,6] T.e. F(x)= If(x) dx + npux. p- ana f(r) by dx. 30 (410+04- 1000 Huy) (41+Ka f(x)-Henp 614 (4,6] 4 \$(x)
1 f(x) dx = \$(6)-\$(6)-\$(9)= \$(x)|6 ; (x) 4614 (9,6)=> « Frances: 1 x dx = 4 1 = 13 - 0 = 1 F(x)=]+(+) dt & couyo & npan. ra j(x) 6/4/a,6]=) Jefr: \$(x) = F(x) + ((+x+ 10,6]) => 8 (Q) = Fo(Q) + C = O + C = C f (a) =]] (+) d+ = 0 \$(6)=f(6)+\$(9)=\$\J(+)d++\$\pa=>\J\f(7)d+=\$\pa(6)-\$\pa(4) 6. Uniscoupant no raciu u emana na npou. 6 onp. uni. BIA, BJ, T.E. 4 LX, BJ → [A, BJ, Takabe, 74 J. 1) 4(d) = 9, 4(B) = 6 2) J 4'(+) - HENP. 614 LL, B] ->] f(x) dx =] f(U(+)) - U'(+) . dt =] f(U(+)) d Le(+) HGKa F(x) - npulu. Ø-2 na faxt by LA, 13]=> =7 F (4(2)) & npum. d-2 naf(4(1)). 4'lt) 619 ld, BJ + + + (d, βJ: (f (y(t))]'= F' (y(t)). y'(t)= f (y(t)). y'(t) = JJ(x)dx If () (x) u g(x) u u q(x) u u u to the house f'(x) u g'(x) by La, b]=)