```
1) THEKO Xmin + 10,6]: + (Xmin)= Infl) (A)
 MERCA Amaxela, 6J: f(xmax)= supfix) [AD]
 -> f(xmin) = f(x') = f(xmax) + x' & fa,6] +
f(xmin) = f(x') = f(xmax) + x" & [a,6] +
   => |f(x")-f(x")| = f(xmax)-f(xmin)= supf(x)-inf(x)= w(f)
2)=> 4 = >0, 3 x' & la, 6]: f(xmin) & f(x') = f(x min) + = (1)
 ** > + = >0, 3 x & [0,6]: f(Xmax) = f(x") > f(Xmax) - = (2)
 = f + (x") - f(x") = f(xmin) - f(xmax) + E (3)
 2-2) f(X") - f(X') > f (Xmax) - f (Xmh) - E (4)
 329 |f(x')-f(x') > f(xmax)-j(xmin) - E = w(f)-E
The Separation 3a UNTERPHENOCT:

THEROTOR OFF. BY 10,63 (E) + E >0 F &= J(E) >0:

THE COLUMN BY 10,63 (E) + E >0 F &= J(E) >0:

TO 2 (Xi) i=0 (0) = 8 => / Zi w; 4 xi < E
                    3. Thracobe unterpyenu oynikulu
  ITT HERA J(x)-HEND bry LO, 69, Foraba J(x)-UNF. 614 La, 6]
  J.K. f(x) e nemp. by [0,6] = 5 patonom. nemp by [0,6] =>
  ¥ € >0, € = = = = >0, T.K. J(x) - pabnon. n. big [a,b], to ] = Je) >0, ∀x, x
  € [0,8], [X-X"] = J=>1+(X") -+(X") | < E' = 2+6-a)
   Hot = { Xi gin : Tred
  S_{T}-S_{T}=\widetilde{Z}_{1}^{2}W_{1}(+) 1 XI \in \widetilde{Z}_{1}^{2} \widetilde{Z}_{1}^{2} \Delta X_{1}^{2}=\frac{\varepsilon}{2(6-a)} \Delta X_{1}^{2}=\frac{\varepsilon}{2(6-a)}
  Wi(t) = \sup \{f(X') - f(X'')\} \leq \sup \{\xi' = \xi' = \frac{\epsilon}{2(6-6)}\}

|X' - X''| \leq |\{X_{i-1}, X_i\}| \leq \delta \tau \leq \delta
   ST-ST CE=>(kp. 3a unt.) j(x) e unt. b/y/a, 6]
  STECTP J(x) = 12 , x = 0 to 1, n = N J = s J(x) - UNT. b
        D(A)=10,1]
      J. 2 fcx) =
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2-60: THERE a J(x) - M.D. B14 [a, b] T- past., T= 4xi 3i=0, p. na la, b] + x + [xi-1, xi] -1 $(x_{i-1}) \in f(x) \in f(x_i)$ -1 $(x_{i-1}) \in f(x) \in f(x_{i-1})$ Mi = supfix) = f(xi) St-St= 2 [Mi-mi) 4 Ki= 2 [f(Xi)-f(Xi-1)] 4 Xi Y € >0, J= J(E) 2 2 (E) 2 2 (F(B)-Ha)] >0. +2 24 Xi 3'=0 = OT C J = 2(f(B)-f(a)) =>S&-St-Zi[f(xi)-f(xi)]] axicZi[f(xi)-f(xi-1)] d=JZi[f(xi)-f(xi.)] - - E < (6)-f(9) = E < E => (lep 3a 447.) j(x) e 448. By [a,6] ST J(v)-orp. bly 10,6] u una up. Jp. T. no npektochane, Totalg f(x) - ung. bry la,6] 4 Courer 6 a nor onpedenencia UNTETPAN 1 dx = sup So+ Heka T= 4xisi-0 - pasoubant na la,6]

Hi= 1+n: mi= Intf(x)= int 1 = 1

*Exist, xi3 x E(xi+,xi3) => St=Z m; Lx; = Z 1 Lx; = 6-a *=> sup(6-a) = 6-a = 1216 1 dx 291 Story 9x= 0 Dyl Ako acb, to I fix) dx:=- Ifix) dx (b) 21 Hera fix) ugixl-unitep. bly la,65, & eR => f(x) + g(x), x f(x) ca unterp. by [0,6] 1)] { t(x) + d(x)] dx = y [t(x) dx +] d(x) dx