On Pyroto f-unoma na [a, 6]. Torga na [a, 6] onnegenera op-ma F(x) = Sf(t)dt, rge a < x < B (Unierpan crepenserrous beparent yegenan) Th. 1 Pyc56 f-unt ra ca, BJ, Torga F-renn-ra Ha Ca, b JDou-bo:  $|A F(Xo)| = |F(Xo + \Delta X) - F(Xo)| = |A F(t) dt - |A F(t) dt| = |A F(t) dt|$ => lim F(x0+0x)-F(x0) = 0 => F-reng. 67. X0 The Mycso f-unt-ma na Ea, BJ u nery-Ba 67. X OF [A, B] Torga F(x) - guop-ma 6 T. Xo; F(xo) = f(xo)

Bourerature: 
$$C_{\overline{x}}(x) = \int_{x}^{a} f(t) dt = \sum_{x}^{a} G(x) = -f(x)$$
(Eaun  $f$ -reny ra  $[a,B]$ )

Mycob f-renj. ra εa, β J. P-eë repsoropagnas.

Don-60:  $F(x) = \int_{a}^{x} f(t)dt - nephoodpaynal qs-un fix)$ =>  $F(x) = P(x) + C => \int_{a}^{x} f(t)dt = P(x) + C$ 

 $\prod_{\alpha} y = \alpha : \int f(t) dt = P(\alpha) + C = C = -P(\alpha) = P(\alpha)$  $= \int_{a}^{x} f(t) dt = 9^{2}(x) - 9^{2}(a) = \int_{a}^{a} f(t) dt = 9^{2}(6) - 9^{2}(a) = 7471.$ Bouerarue: f-urit. Ha [a, 6] 4> f-unelt replocop. na [0,6] 1) f(x) = sign(x); x E[-1, 1] => f-uns-ua, no re mueer replecop. 2)  $F(X) = \int X^2 \sin \frac{1}{x^2}, \quad x \neq 0 = \int f(X) = F' = \int 2 \times \sin \frac{1}{x^2} - \frac{2}{x} cq \frac{1}{x^2}$ O,  $\chi = 0$ The unitarial

However rept.