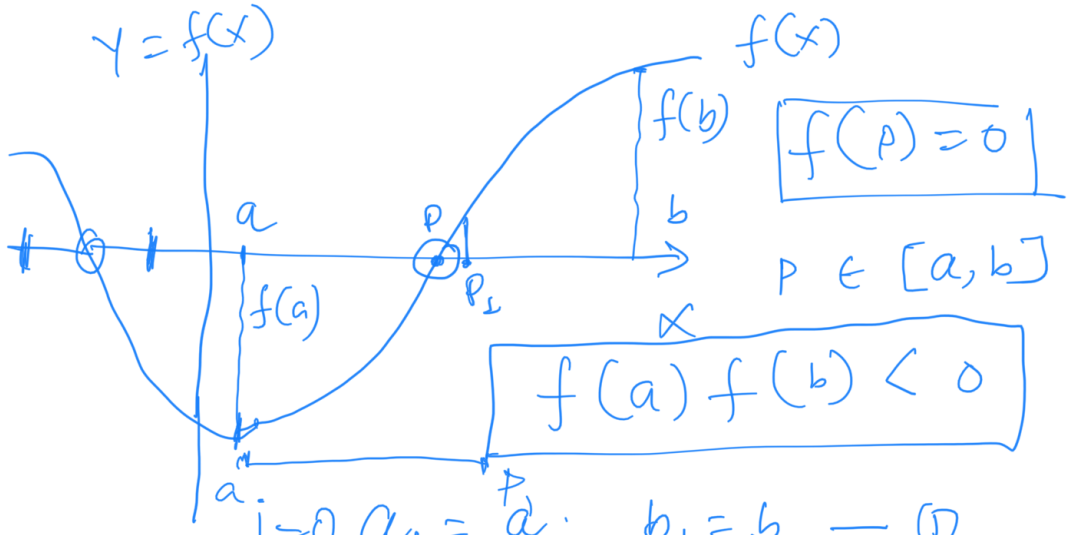
Bisection Method

$f(x) = 0$

f is continuous function defined on the interval $[a, b]$



$i = 0 \quad a_1 = a; \quad b_1 = b$ — (1)

$P_1 = \frac{a+b}{2}$ — (2)

$f(P_1) \approx 0 < TOL \rightarrow$ Stop

$i = 1 \quad f(a) f(P_1) < 0$

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