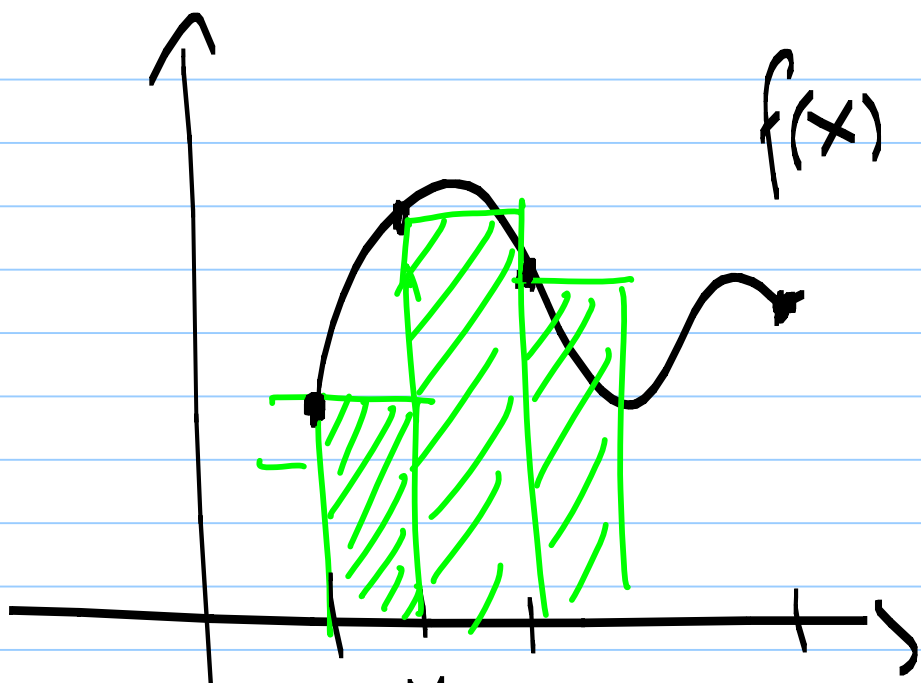


$$\int_0^2 \sqrt{u^2 - 1} \, du$$

$$\frac{1}{\sqrt{u^2 - 1}} \rightarrow \frac{1}{u}$$

$$\int_0^2 \sqrt{u^2 + 1} \, du \quad \times \quad \int_0^2 \sqrt{u^2 - 1} \, du$$

$$f(x) = F'(x)$$



$$f(x_0) \approx \frac{F(x_1) - F(x_0)}{x_1 - x_0}$$

$$f(x_0) \cdot (x_1 - x_0)$$