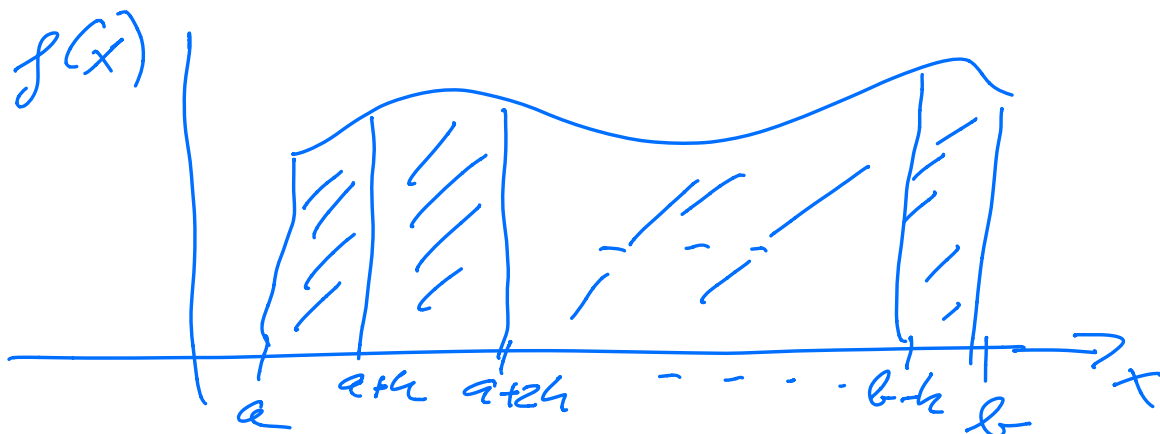# Lecture November 12

$f(x)$

$$x \in [a, b]$$

$$I = \int_a^b f(x)\,dx$$

Every process computes
a subdomain

$$I_i' = \int_{a_i}^{b_i} f(x)\,dx$$

$$a_i' = a\_local$$

$$b_i = b\_local.$$

Need a recipe to set up
a_local and b_local

$$I_i' = I\_local$$

C_V/N

~ 40X40

~20X20

T_c

T

M

T_c

T

X

T_c

T