1 2 3 4

$v = [3, -1, 2, -1]$

$S = 0 + 3^3$

$S = 27 + (-1)^3$

$S = 26 + 2^3$

$S = 34$

for elt = [3, -1, 2, -1]

$S = S + elt^3$

end

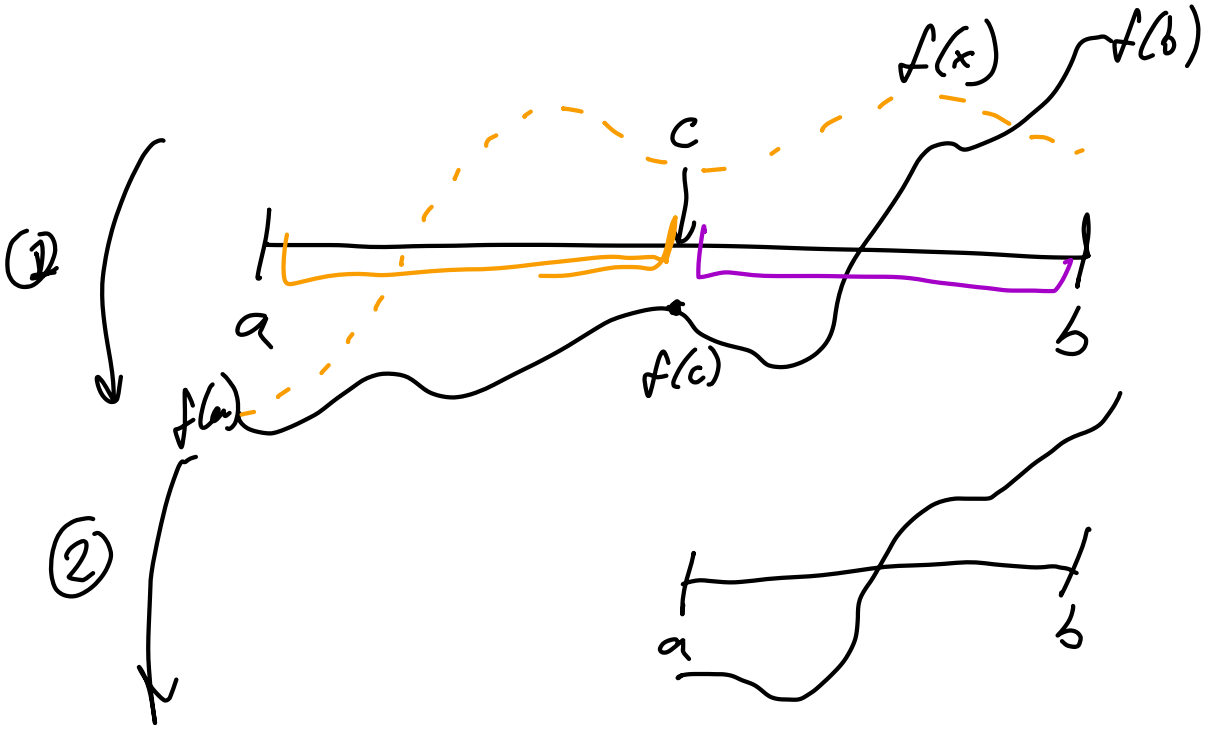
elt = 3

$S = 0 + 3^3 = 27$

elt = -1

$S = 27 + (-1)^3 = 26$

elt = 2



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finish when $b - a < tol$ (2^{-10})