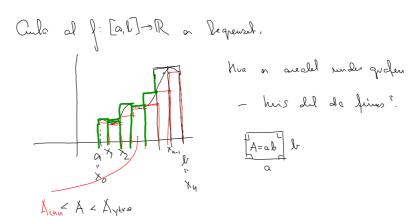
051017.notebook October 05, 2017

20 spåvsmål - 5 allemolium Ahnerteder: Digital , o psæng galf. Silurvier: Kapi Etel 8 I mte grasjan Historisk: \_ volumberegung Arhine des: A ut Ainn = A sirlar = Aut - 96 - houl  $A = \int x^n dx = \left[ \frac{x^{n+1}}{n+1} \right]$ Formal

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En parligan av introdul [a, N or en mangle as peutler  $a = x_0 < x_1 < x_2 < \dots < x_m < x_m = b$ 

Delle que delinterecleure:

Høydere po lidsen:

Jude lectron:

The bolin:

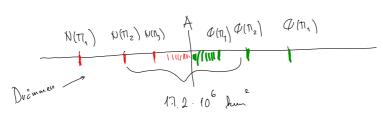
Aveal lil indero lich: Mi (xi-xi)

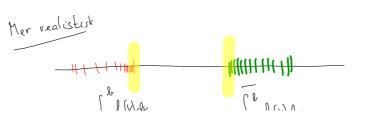
Aved hit you bobs: M; (xi-xi)

$$N(T) = \sum_{i=1}^{N} M_{i}(x_{i}-x_{i}) - \text{ who trapperent for participate } T$$

$$O(T) = \sum_{i=1}^{N} M_{i}(x_{i}-x_{i}) - \text{ que trapperent for participate } T$$

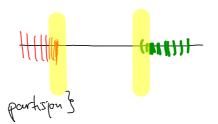
Deson omvill ruder grafen han I aval A , Pa'  $N(\Pi) \leq A \leq O(\Pi)$ 





Oure integral:

 $\int_{a}^{b} \int_{a}^{b} (x) dx = \inf \{ \phi(\Pi) : \Pi \text{ en partisjon} \}$ 



Nedre rufe gralel:

$$\int_{a}^{b} \int (x)dx = \sup \{N(T): T \text{ on pairsjon}\}$$

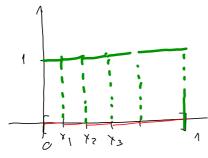
Definisjan: Dersom  $\int_{a}^{b} \int (x)dx = \int_{a}^{b} \int (x)dx$ ,  $p \in \text{ rein } i$  al furtisjanen en eintegenbar og defineren integrabel  $\int_{a}^{b} \int (x)dx$  ad  $\int_{a}^{b} \int (x)dx = \int_{a}^{b} \int (x)dx$ .

Hus ikke, sie helle funkgan ikke-nik grenber.

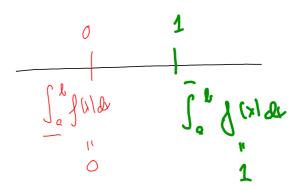
Ebreugel: Divichles Gembozan

f(x) = { 1 his x en el rasponal fall } lall

a ille integrerbar.



$$N(n) = 0$$



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Salway: Alls mondow feelingues of [0,0] - 12 or integraline

Bens: Lo 
$$T_n$$
 vous position in the show the show that is integrable for it in the show the show that is integrable for it is integrable