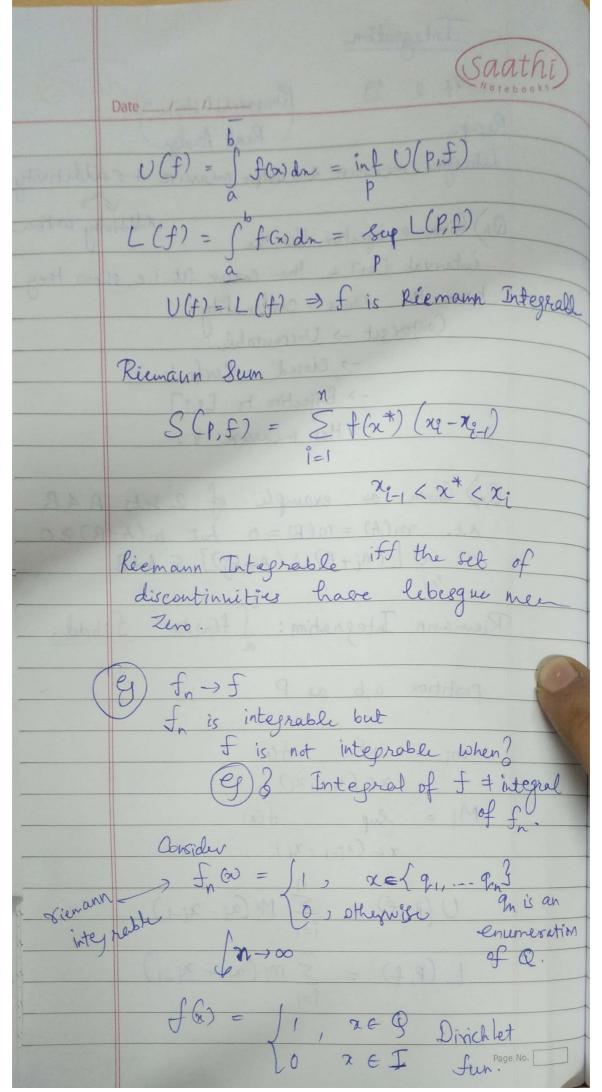
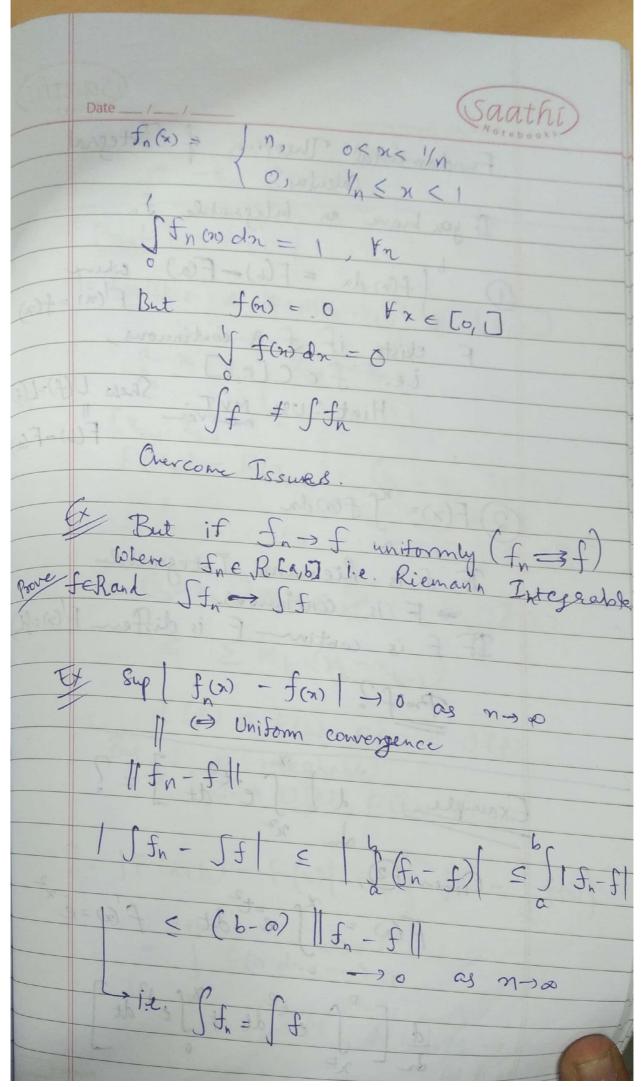
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Recap:  Real Analysis  Lebesgue measure & outer measure + or additivity  On) Given a bijection byto the  interval Co10 4 the cantor set. i.e show they  have the same cardinality.  Cantorset > Uncountable  > Closed, Perfect  > Bijection to Co11]  Has measure of  On) Given an example of 2 sets A & B  8st. m(A) = m(B) = 0 but m(A+B) ≥ 0  U[(ai+B)U(A+bi)] = A+B
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Bijection to [0,1]  Has measure of.  On) Given an example of 2 sets A 4 B  8.t. m(A) = m(B) = 0 but m(A+B) ≥ 0  U[(ai+B)U(A+bi)] = A+B  i,j
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m; = inf fa)
$x \in (x_{i-1}, x_i)$
M; = Sup f(x)
$\chi \in (\chi_{i-1}, \chi_i)$
$U(P,S) = \sum_{i=1}^{n} M_i(\alpha_i - \alpha_{i-1})$
$L(P,f) = \frac{2}{2} m_i (x_i - x_{i-1})$
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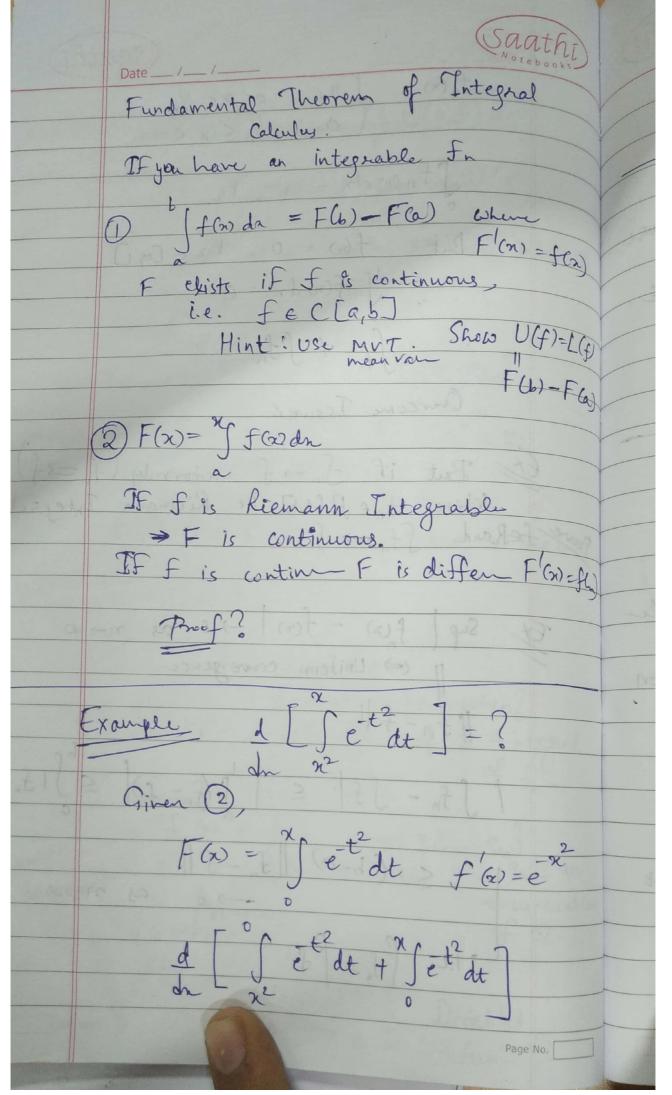
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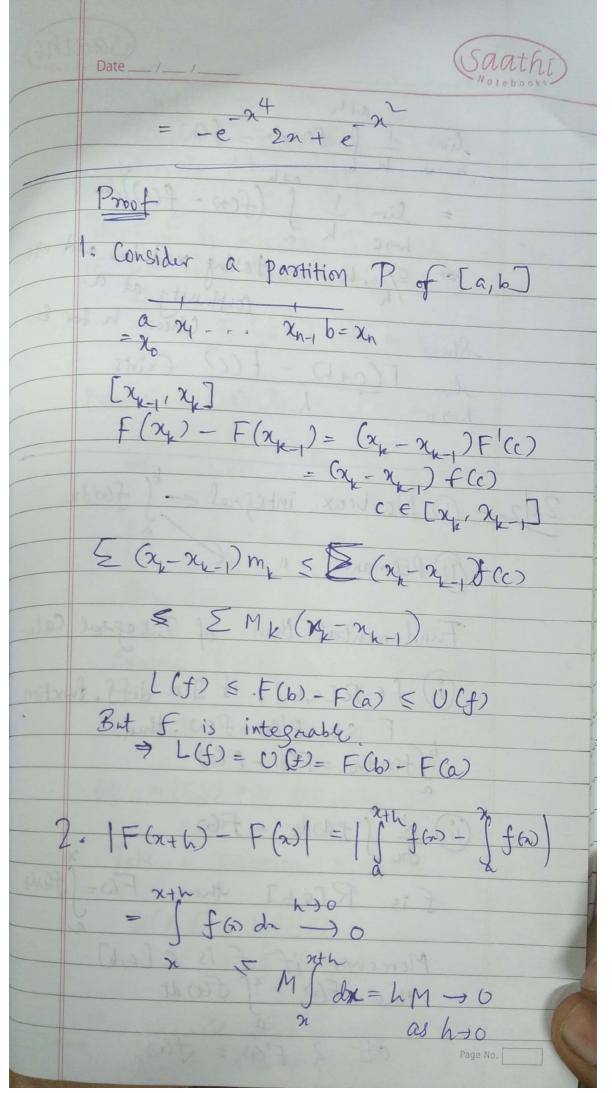


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