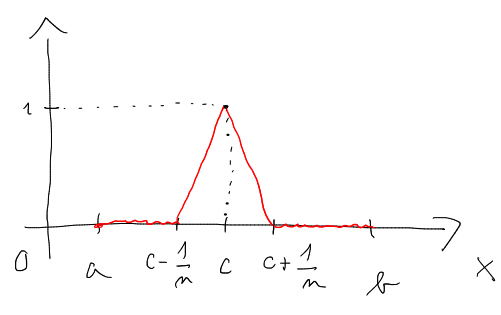


P22

$f_n(x)$



$S_I$  :  $f(x) \equiv 0$  na  $[a, b]$

$$0 \leq S_I(f_n, f) = \int_a^b |f_n(x) - f(x)| dx = \int_a^b f_n(x) dx = \text{obsah } \Delta = \frac{c + \frac{1}{n} - (c - \frac{1}{n})}{2}$$

$$= \frac{1}{n} \xrightarrow{n \rightarrow \infty} 0 \quad \dots \quad f_n \xrightarrow[S_I]{} f$$

$S_c$  :  $S_c(f_n, f) = \max_{x \in [a, b]} |f_n(x) - f(x)| = \max_{x \in [a, b]} |f_n(x)| = 1 =$

$f_n \not\xrightarrow[S_c]{} f$

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P30

