h: (0,00) -> (0,00) h convex function reda que passe rer (y, h(y)); amb decreasing $\rightarrow h(y) + h'(y) (t-y) \leq h(t)$ take t = 1/2 le haces para toda pendhente 1 Deoretreut $-h'(r) = \langle h(r/2) - h(r) \rangle$ |h'(r)| < 2 |h(r/2) - h(r)) [r>0 < = osc h haurb con deniv.
[7/2, r] por to regular. $N(t) = K(It) \rightarrow N'(t) = K'(It)$ kes c'ave. |K'(T)) < 2 TE OSC K(T)

then the selliphicity $\begin{cases} C + \frac{1}{1+n+2s} \\ C + \frac{3}{2} \end{cases}$ $= \frac{1}{|K'(r)|} \leq \frac{-N-2S-1}{(C(u,s,\lambda,\Delta))}$

$$\begin{array}{c}
\boxed{J} \Rightarrow & K(t) \text{ loe Lipsdultz in } (0,00) \\
& \text{[K]}_{\text{Lip}}(B_{r}^{c}) \leq C_{r}^{-n-2s-1} & r>0 \\
& \text{(n,s,h,h)} \\
\end{aligned}$$

$$\begin{array}{c}
\text{Consider } p & \text{fin } B_{2} \\
p = 0 & \text{in } B_{2}^{c} \\
p = 0 & \text{in } B_{2}^{c} \\
p = 0 & \text{in } B_{2}^{c} \\
\text{W} = wp = w + (1 - (1-p)) \\
\text{Lk } \widetilde{w} = L_{k} w - L_{k} \left(w(1-p)\right) = h - \widetilde{h} \\
\text{R(x)} = \sqrt{-w(q)(1-p(w))} k(x-y) dy
\end{array}$$

 $h(x) = \int_{\mathbb{R}^{n}} -w(y)(1-\eta(y)) k(x-y) dy$ $\|h\|_{C^{\infty}(B)}^{2} \int_{\mathbb{R}^{n}} \frac{k(z)}{|y|^{n+2s}} \frac{1}{|y|^{n+2s}} \frac{1}{|y|^{n+2s}} \frac{(\text{next perk})}{|w|^{n+2s}}$ $\|h(x)\|_{C^{\infty}(B)}^{2} \int_{\mathbb{R}^{n}} \frac{|w|}{|y|^{n+2s}} \frac{|w|}{|y|^{n+2s}} \frac{|w|}{|y|^{n+2s}} \frac{|w|}{|y|^{n+2s}} \frac{|w|}{|y|^{n+2s}}$

 $\frac{|h(x)-h(z)|}{|x-z|^{\alpha}} \leq c \int |h(y)| |k(x-y)-k(x-y)| dy \leq (|x-z|-x) \int |h(y)| dy$ $= \frac{1}{|x-z|^{\alpha}} + c \int |h(y)| |h(y)| + c \int |h(y)| dy$ $= \frac{1}{|x-z|^{\alpha}} + c \int |h(y)| |h(y)| + c \int |h(y)| dy$ $= \frac{1}{|x-z|^{\alpha}} + c \int |h(y)| |h(y)| + c \int |h(y)| dy$ $= \frac{1}{|x-z|^{\alpha}} + c \int |h(y)| + c \int |h(y)| dy$ $= \frac{1}{|x-z|^{\alpha}} + c \int |h(y)| + c \int |h(y)| dy$ $= \frac{1}{|x-z|^{\alpha}} + c \int |h(y)| + c \int |h(y)| + c \int |h(y)| dy$ $= \frac{1}{|x-z|^{\alpha}} + c \int |h(y)| + c \int |h(y)| + c \int |h(y)| dy$ $= \frac{1}{|x-z|^{\alpha}} + c \int |h(y)| + c \int$

$$||K(x-y) - k(z-y)| \le ||x-z|| = ||x|| ||x$$