```
|f(\frac{1}{5})| < \frac{1}{8}|f(x)| f(x) = 0.
 Forst visor v. att +(0) =0.
  x = 0 \Rightarrow |f(0)| \leq \frac{1}{8} |f(0)|, 196 \qquad y = |f(0)|, noton \qquad y > 0.
y \leq \frac{1}{6} y \Rightarrow y = 0 \Rightarrow f(0) = 0.
                 O ( ) f ( on ) f (x) nt M Tron of lother souls of roll
0 \le 1 : m 
0 \le n \Rightarrow 00 
f(\frac{x}{5n}) 
0 \Rightarrow 0 
f(0) = 0 
f
                 lim f(h)
h=0 h=0. Enligt det vill ii visa
              VE70: 38>0: 0</x-a/(5 => | f(h) | < E
              Vi Vill hibbe S(E).

Votero

V
                     II = [-a, a], a 70, 4 Slutet interest som to betimens
                                                                                                                                                                                                     i, be 6xts 7.7, f blir bagransas.
       => ] sup {x & I : f(x)} = M = Supremum existion on f an Beginned intermediate and intermediate
             =) |f(x)| \leq \sqrt{\pi} |f(5x)| \leq M
=) |f(x)| \leq \sqrt{\pi} |f(5x)| \leq M
= \sqrt{\pi} |f(5x)| \leq \sqrt{\pi} |f(5x)| \leq M
= \sqrt{\pi} |f(5x)| \leq \sqrt{\pi} |f(5x)| \leq M
                              5 1/x | < a = V1 251; er a 55 att Jetta 5 5 mt,

1 1/x | //a < 5 5 1/x | < a < 5 7 1 | x |

5 1 1/x | //a < 5 5 1/x | < a < 5 7 1 | x |
                    5) a { | x | 6 a 5 n
```



