Let x,..., xne[a,b] be s.t. \$B(x, シ) | 15; En} covers [a,b]. Take S=m, h { [15; En].

.. [c,1) = B(x;, = + 8) n[a, b) = B(x;, s;) n[a, b)

.. From our remark, $\Omega_f((c,1)) \leq \Omega_f(B(x;,8:) \cap (a,b)) < \epsilon. \square$

For any segment [c,d) S(a,b) with 12-cl (8, 315; Sn, s.t. [c,d) (B(x;, \$\frac{5}{2}) \neq \phi \ (obv, but it is a covering, so...)