2ε

$(x-2\varepsilon, x+2\varepsilon)$

(x, x)

4ε

$\eta\left((x-2\varepsilon,\ x+2\varepsilon)\right) = 4\varepsilon/2 = 2\varepsilon$

$(f(t), \mathcal{S}_{f(t)})$

2ε

4ε

this is the closest spot where $(g(t'), \mathcal{S}_{g(t')})$ could be.

the difference of node lives b/t $>\varepsilon$

t ? ♥

$(f(t)-3\varepsilon, \mathcal{S}_{f(t)})$