BISECTION METHOD

-> takes advantage of IVT

-> like puessing game of hister/lover with roots.

ex

to find
$$x = e^{-x}$$
, let $f(x) = x - e^{-x}$

we want to find where f(x)=0.

Since f(x) is continuous and,

a voit exist, in [0, 1].

$$f(0.5) = -11$$