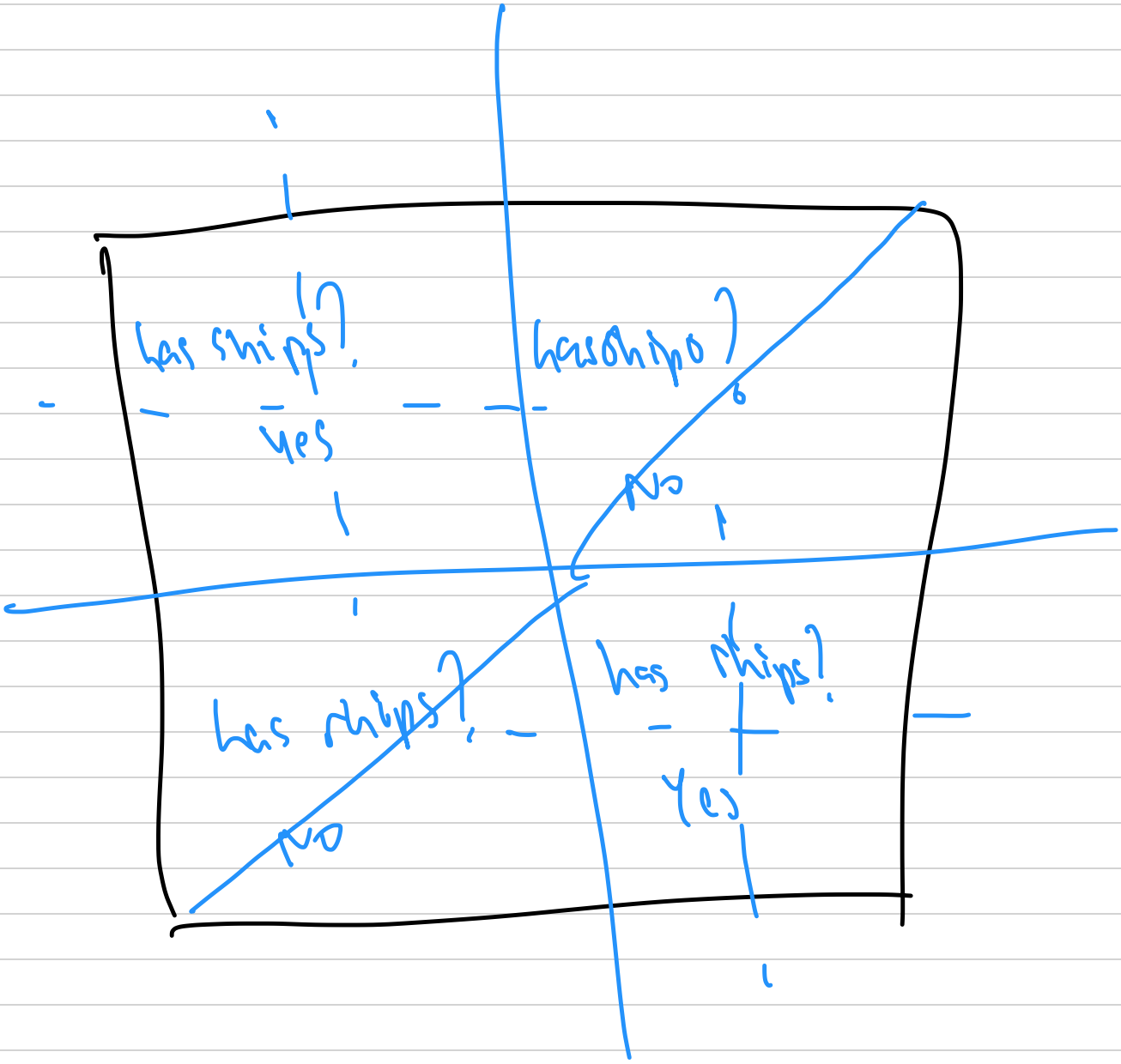
1274 Number of chips in a rectangle

Divide & Conquer technique



every that has ships divide it

into 4 parts and recursively eliminate

subparts that dont have ship

if topleft == bottomright & has ships :

ans t =1

i.e we are checking ship or a single point

and if it has ships ans t = 1

$T(N) = 4\,T(N/4) + O(1)$