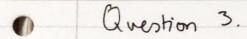
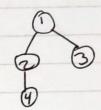
Pange 1 91 a).i. sum \$ take k powers ii length & bake While (<+0) powers ii. som \$ take While (CK) powers iv. drophile (<j) ((take While (< k) (powers))) b).i. pairs n = [(sc,y) | x + [1..n-1], y + [x+1..n] Small Words: String -> Int small Words & = length [>c | x & words &, length >c < 4] c). print lines: File Path -> 100 d). print lines = do contents & read File "in.txt" put str (unlines & map (in > length x ++ xs = lines contents | could also enter the name

- a). rotate x = tail oc ++ [ head x]
  - b). mystery oc ys = takeWhile (<= oc) ys
  - (). [>c^2 | >c < xs, x mod 2 == 1]
  - ii. 5x\*5 (x + x 8, 2 x 7 1000)
  - (d) replace: Int -> Int -> [Int] -> [Int] -> [Int] zs replace  $\times$  y 3/2s = [IF  $z = z \times then y ease <math>z/z < 3/2$ s
    - (e). compose :: [a->a] ->a ->a

compose [] x = 2C compose (F:fn) x = f(compose fn x)



Node 1 [Node 2 [Node 4 []], Node 3 []]



Node 1 [Node 2 [], Node 3 [], Node 4 [] [ 3 9

prine :: (a -> Bool) -> Tree a -> Tree q

Prine f (Node a x) = if (Fa) then (Node a [])

else (Node a (prine f x))