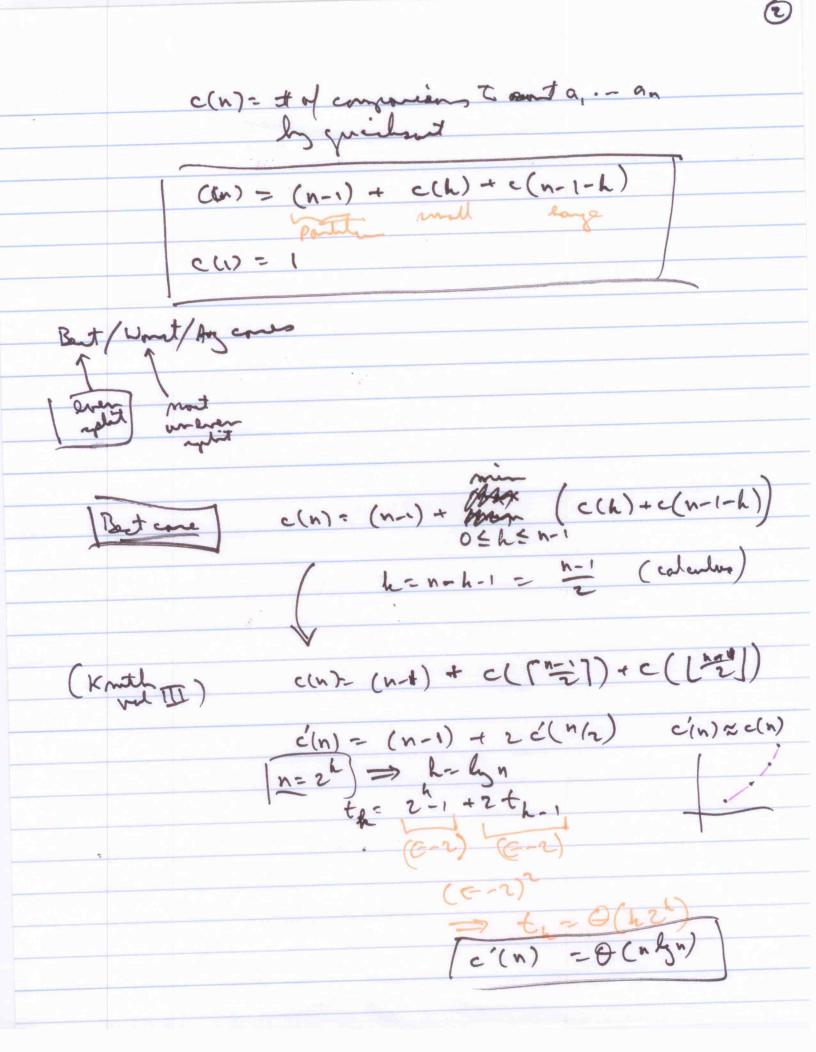
QUICKSORT M-1 a: *aj j i * j SMAL an 9,92 BIG SWAP PARTITION PARTITIO CLT LARGE h-1 BIGGER CESS SORT RECURSIVERY SMALL LARCE) SMACL PINAL (CORRECT) POSITION ANACSIS - # OF COMPARISONS



want care - Already nonted!

c(n)= (n-1) + mix (e(h)+ c(n-1-b))

0 8 ...

(N-1) + (N-2) + + = h(n-1)

Guess c(n)= n2 Too Small

2? $c(n)=(n-1)+max(\frac{h^2}{2}+\frac{(n-1-h)^2}{2})$

cln = n2 too big

c(n)= 2 +40 3 n

2+ = (n-1) + max (2+ 2h

BINGO

c(n)2 (n-1) + c(m/3) + c(2/3) c(n)-Gnkgn) Gucen's

