N=4, (i=0; ic (12c4); i+4) = 0 0 2 N N = 4 $\sqrt{\frac{1}{2}} \omega_1$ $\sqrt{\frac{3}{11}} \omega_2$ $\sqrt{\frac{3}{11}} \omega_2$ and assign then weight w findly do [n] [w] _dp[i][w] => best value enla de [i][w]

Take ith element de [i-1][w- wsh [i] + vol [i]

Signore ith element de [i-1][w]. Viéle 3 WELLT (NELOO $V_1 \le 1e^{-\gamma}$ $W \le 1e^{\gamma}$ $V_2 \le 1e^{\gamma}$ $W \le 1e^{\gamma}$ dp[i][v] & Can we achieve value u from first i elements?

What is the minimum we weight from first i elements
to get to u if it is possible. V=1 -> 1e> au_=may (ass, V). dplostuje w (Rnapsuck sia)

Aprilly min veight.

Box Gre: dprosto] = 0

Take ith element

Recursion

Aprilly = (WSh[i] + dpri-13[v-vallis],

Apri-13[v]

Apri-13[v]

12) color this tree, every node gets colored white 166/10. Minimize the cost of the trace of the trace of the trace of the form most.

Minimize the cost of the trace of Value = abs (wint Black nodes -(ount white Nodes). d=1

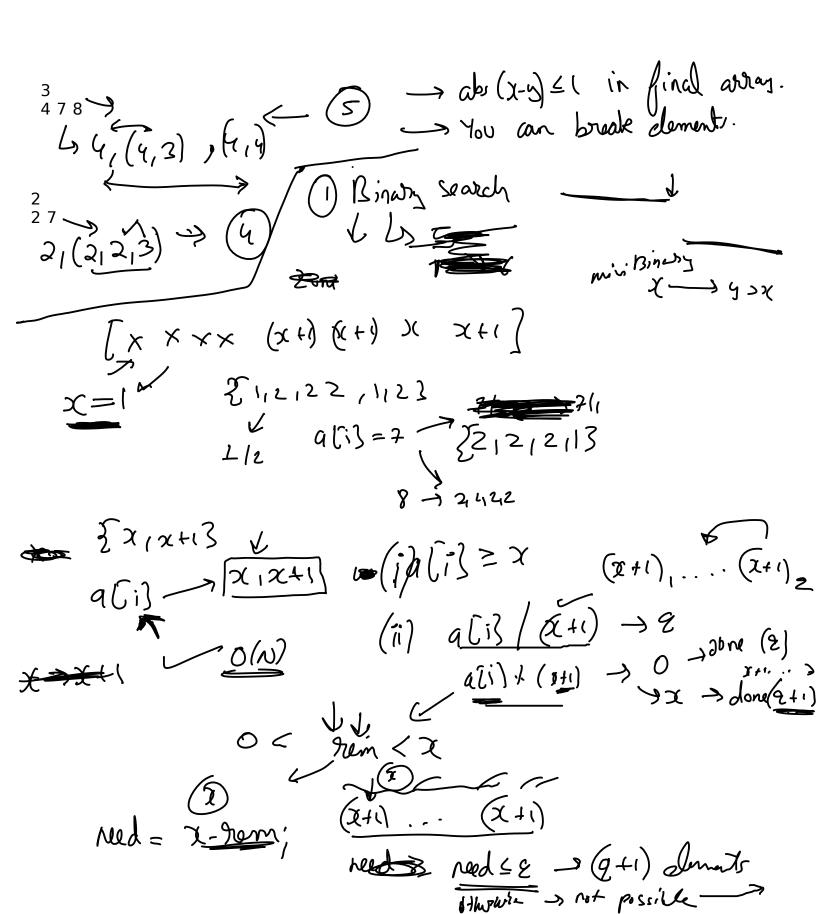
Cood w/B

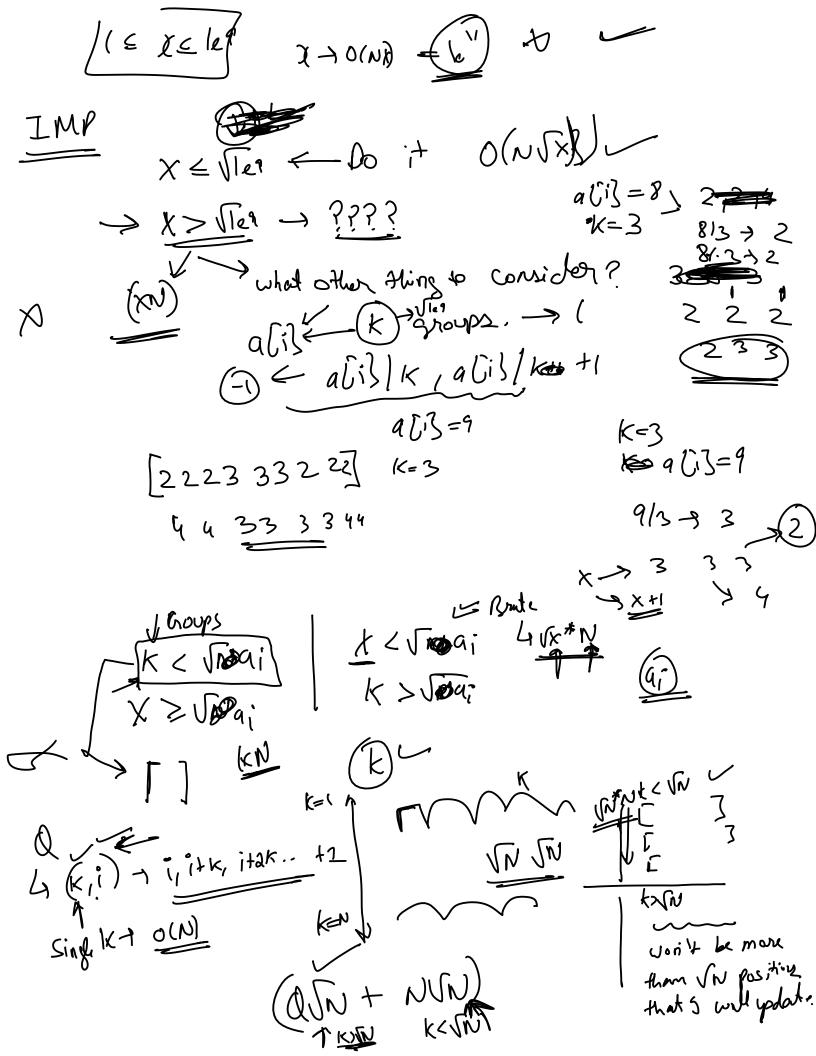
W/B

(1/x)

(1/x) stood It the node that are at old distunce Call t=1 and cau + = x cau + x = x cau +-> do[cnis- cnw] dptilled the works but out of constraint is count of Black Nodes 3 W B=Sum(i) -W -> dp (i) [w]. W out of bound of Black - white diff = 0 -> diff t= abs (x-Rg) Minimize = $\frac{abs(aiff)}{abs(x-y)}$.

(x16)] $\left[abs(xy) ... \right]$ abs (sum) to be minimum. [i][sim]=>0/2 NX O(N) (N2) Maso unique value that array can have. & SUM OUN N 1+2+3+4+5+6 ... ~N V (V+1) ~ N LVMIN fortion > sn} Max Uniz = VN-3 SIZEVIN Sum wo (N) if(dp[i-1][j] >= 0) $dp[i][j] = 0; \leftarrow$ else if(dp[i][j - c[i]] >= 0 and dp[i][j - c[i]] < s[i]) dp[i][j] = dp[i][j - c[i]] + 1;else Sum is not possible dp[i][j] = -1;min wont of ith element required to





Coment (1.71)

Sosment (1.71)

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