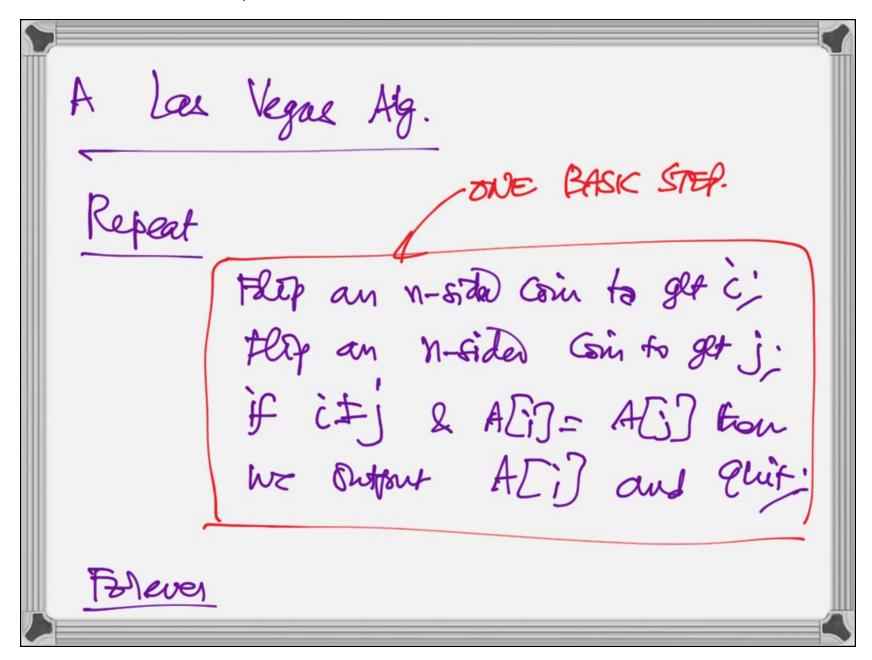
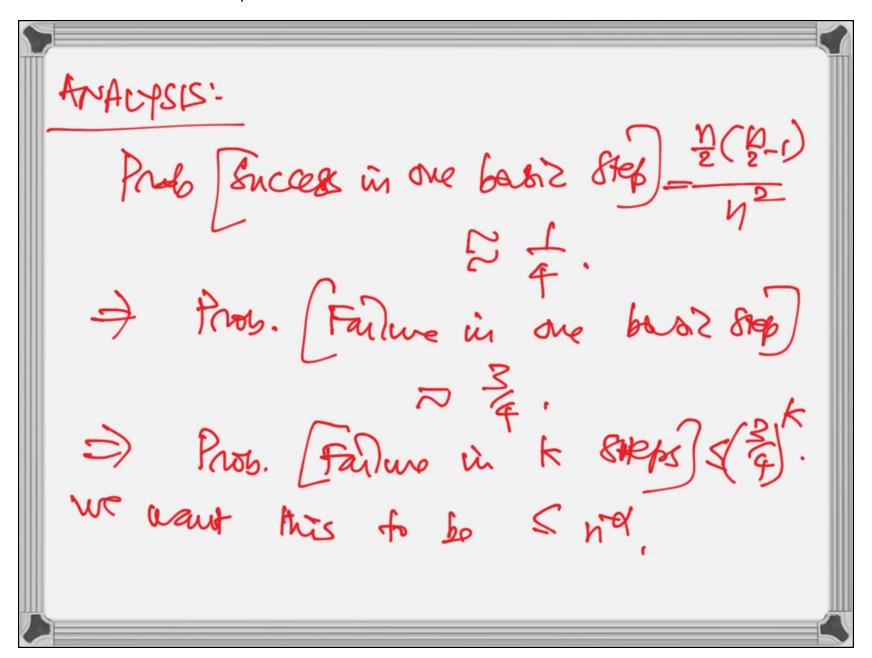
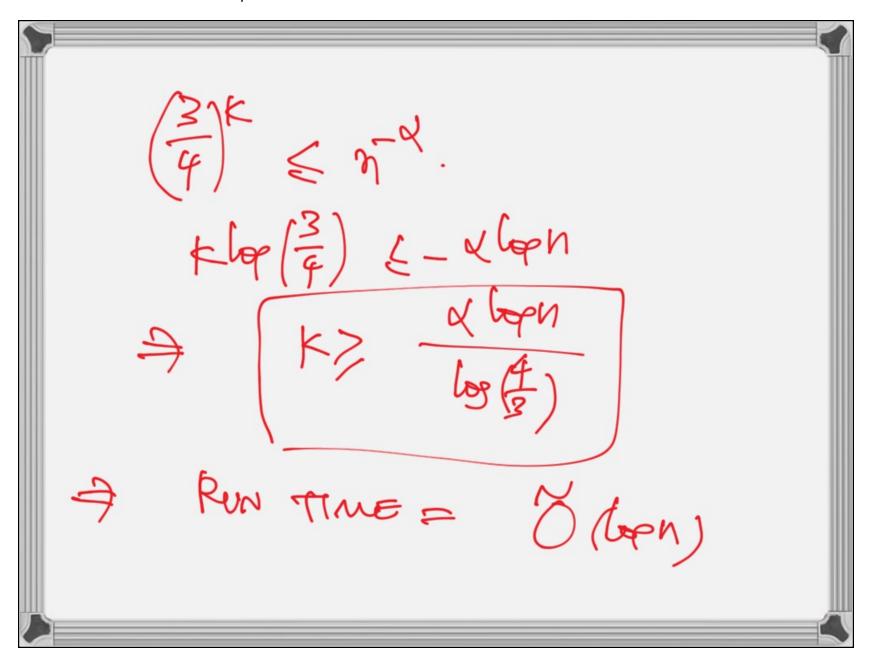
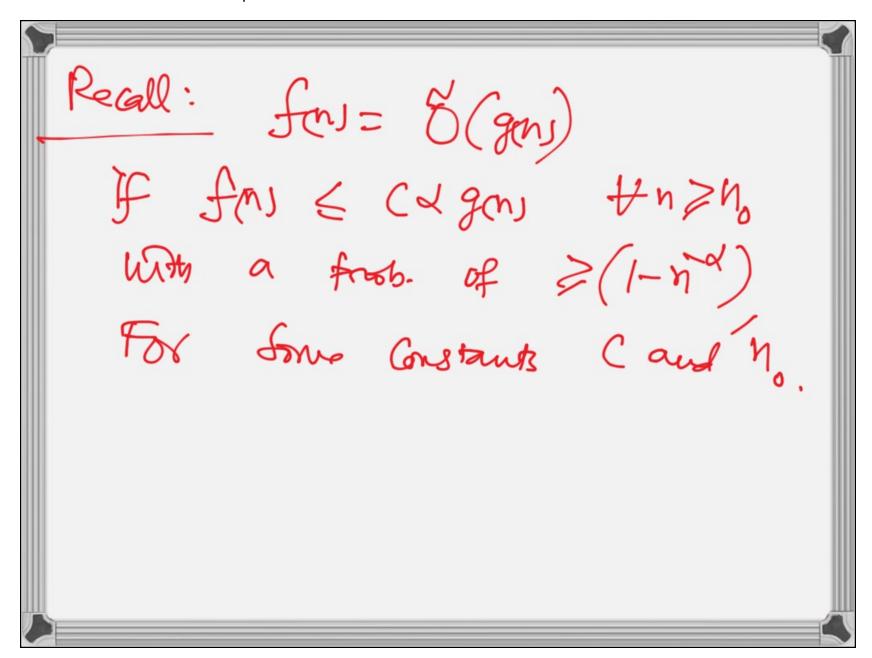


By High trob. we weren a frob.	
of > 1-no n > MANT STRE &> PROB. PARAMETER.	
PROBUEM 1: MADT: AN ARRAY A[I:N]	
3 & Copies of on slavant.	
The Stres elements are District. Output: Repeater element.	

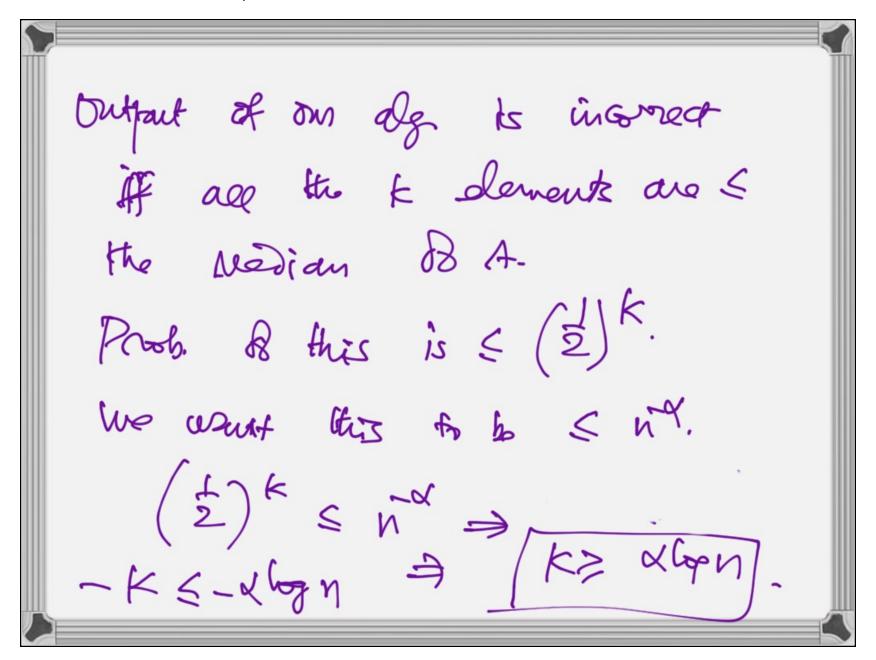




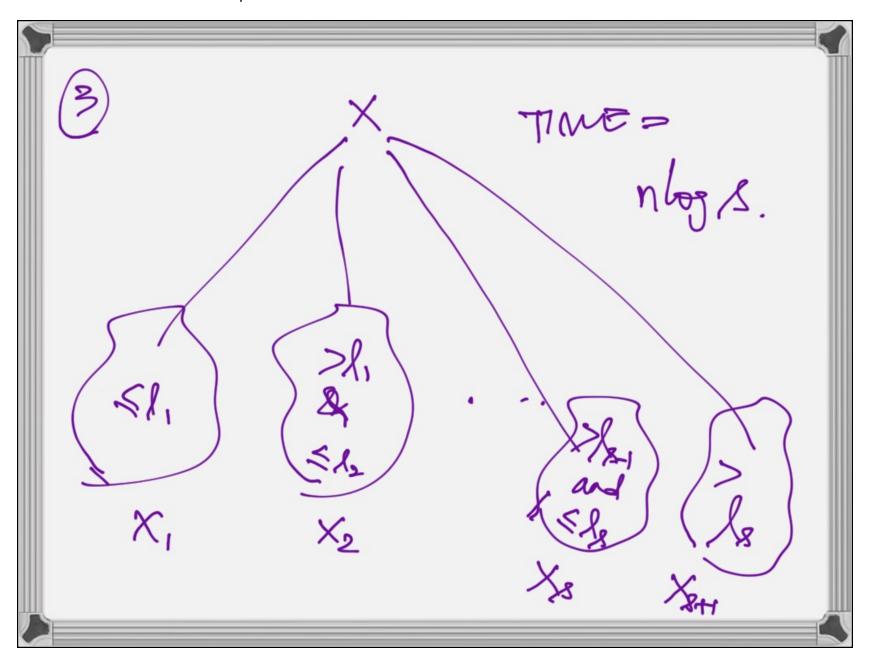


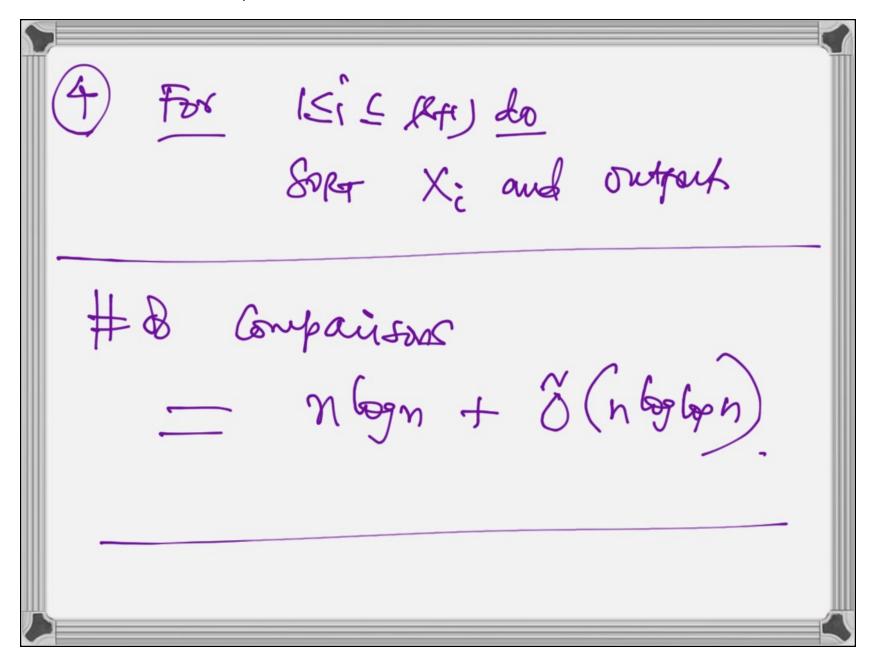


Fample: MPUT: A[I:n].
output: An lemont of A = the Nadian & A.
Sample K elevents, Find and Output the wax of the Sample.
Anoly Siz: Prob. [A Random Sowout
is incorrect is 5 %.

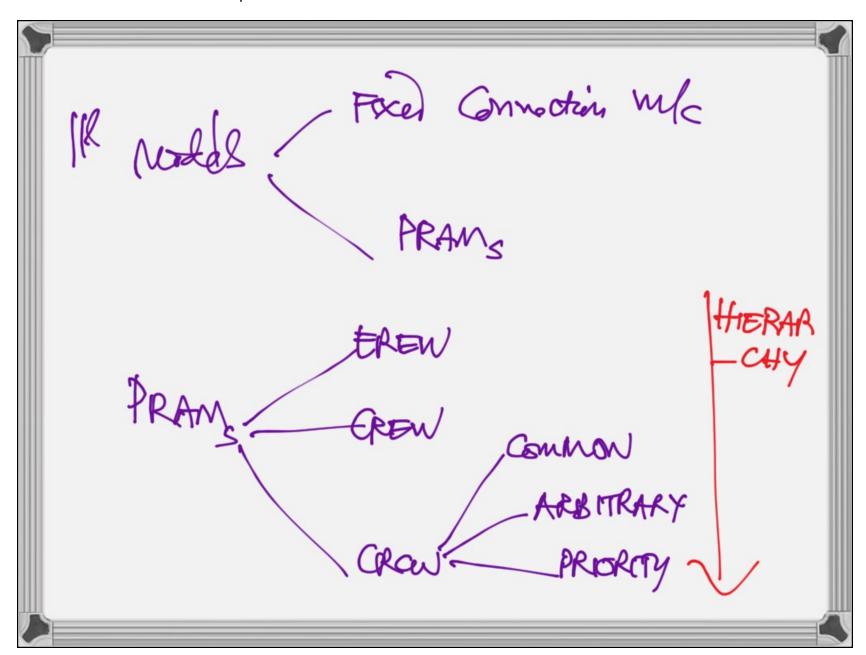


FRAZER & Mc KELLAR'S IDEA:
INPUT: X = k, tz th; Output:
Pick a Random Sample S From X, with $ S  = 8$ .
2) Soft the Sample to 94
ly le juin la.

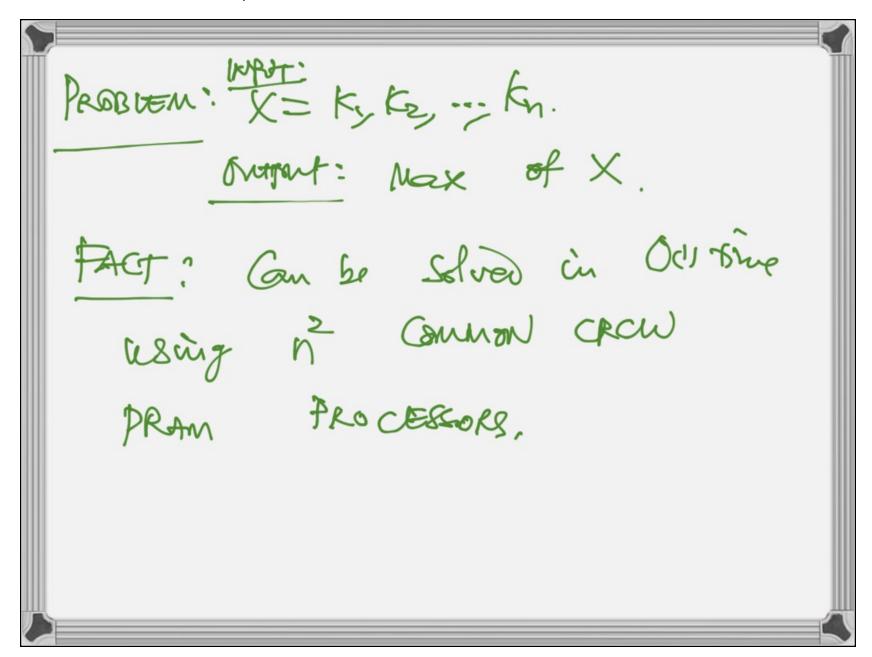


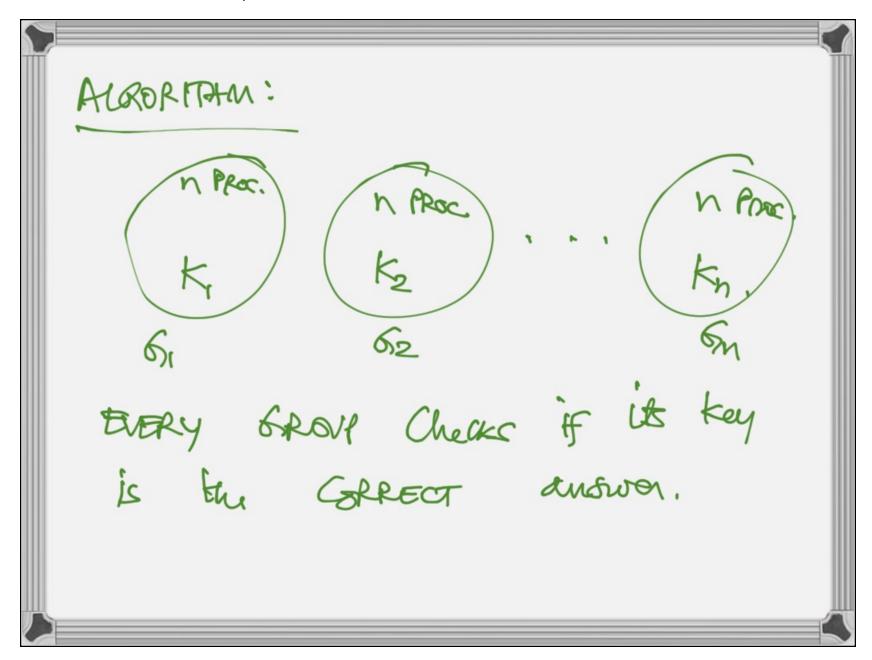


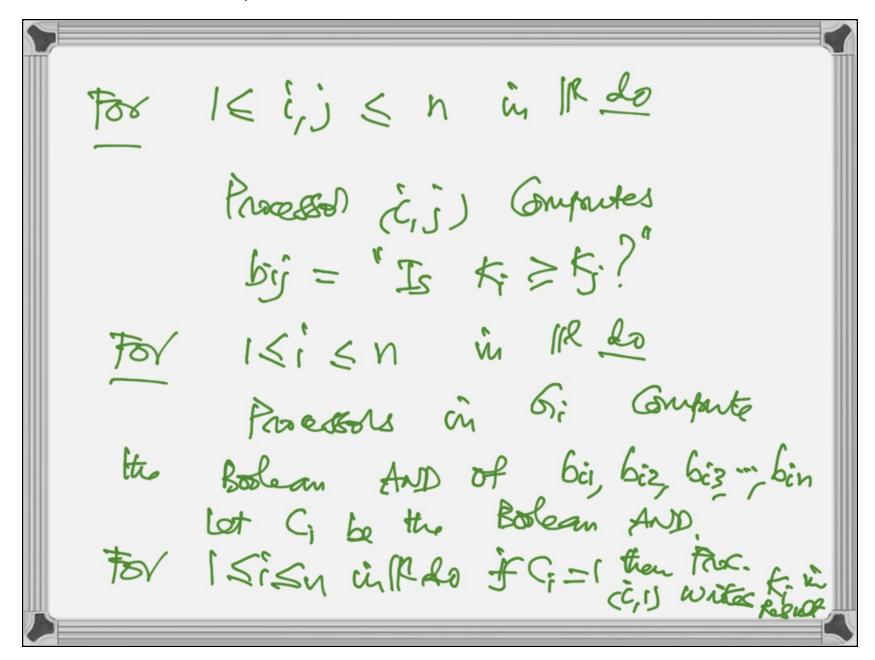
PARAMER ALGORITHMS:
FACT: IF T'IS the RUN TIME
By a 11 aly that ases P Processors, then $T > \frac{S}{P}$ ,
Where S is the run three B
the best alg. that solves the same problem.



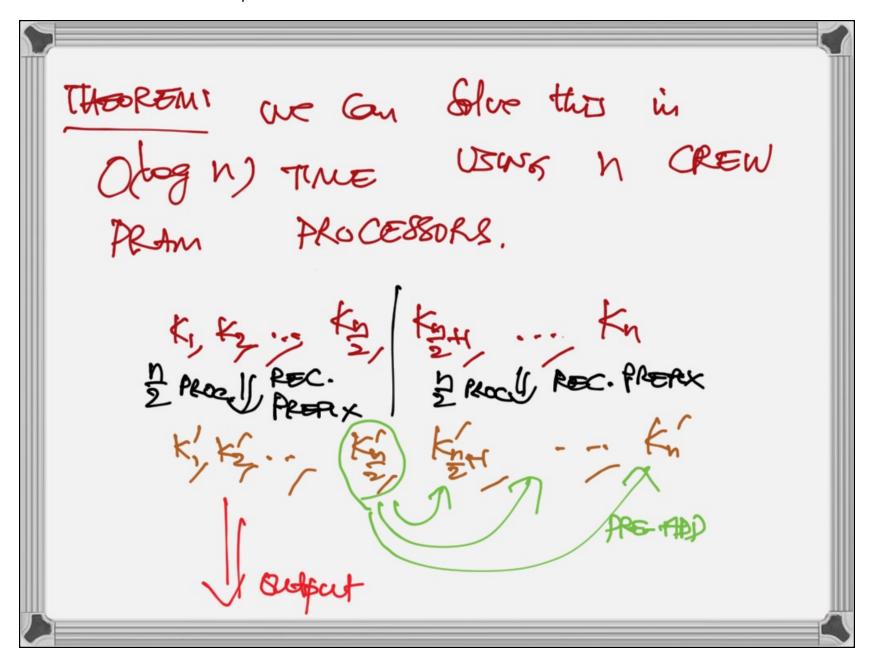
Example: WAT: X = b, b2 6n Outfout: b, x b2 x x bn.
FACT: we can solve this in OU one
common CR Cer ARohn Pear,
Abstittun:  Processor 1 Writes 9   in Result:
For 15i Son in 112 do if bi =0 then thousant in Result
of bi =0 han trolessor c in Result

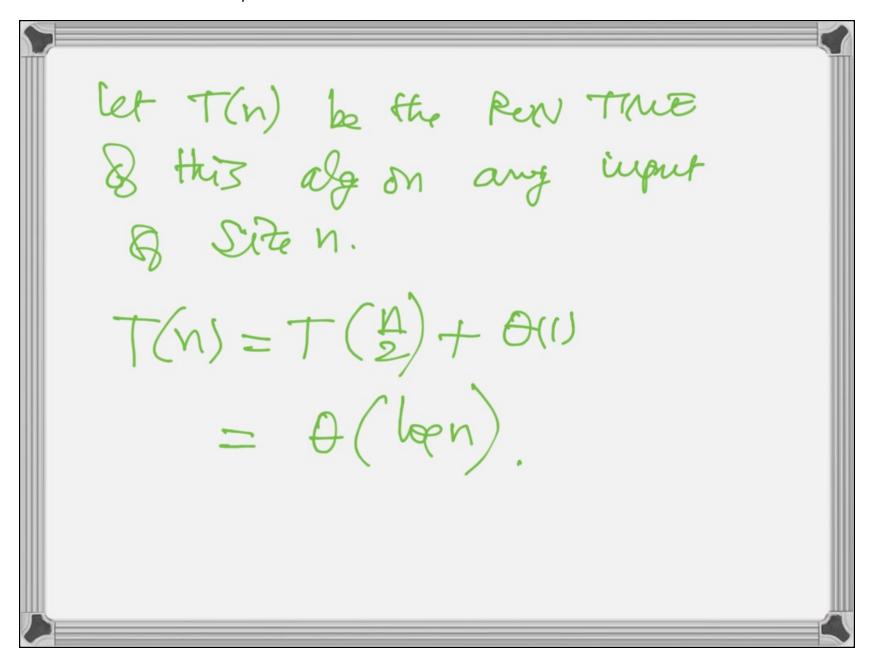


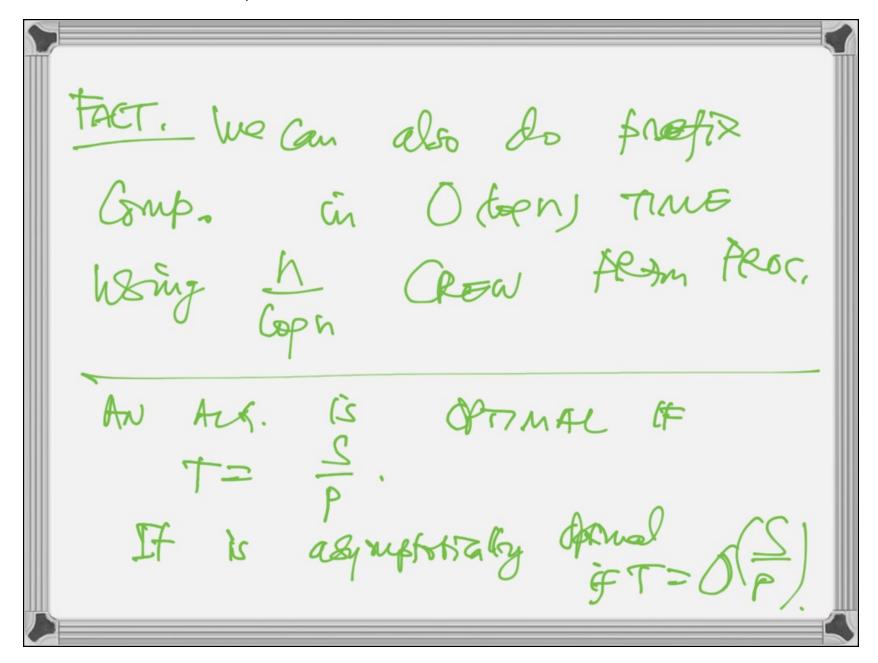


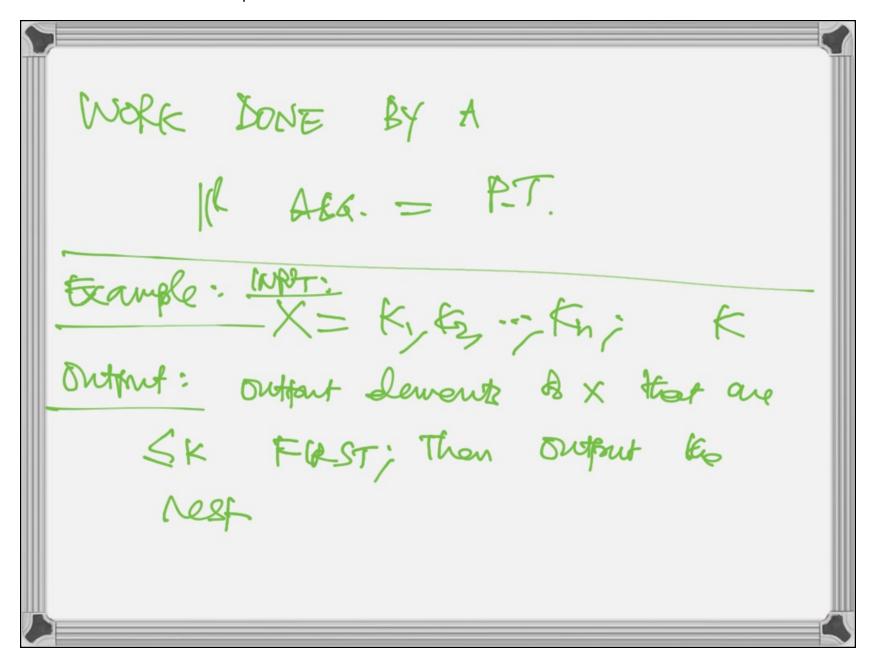


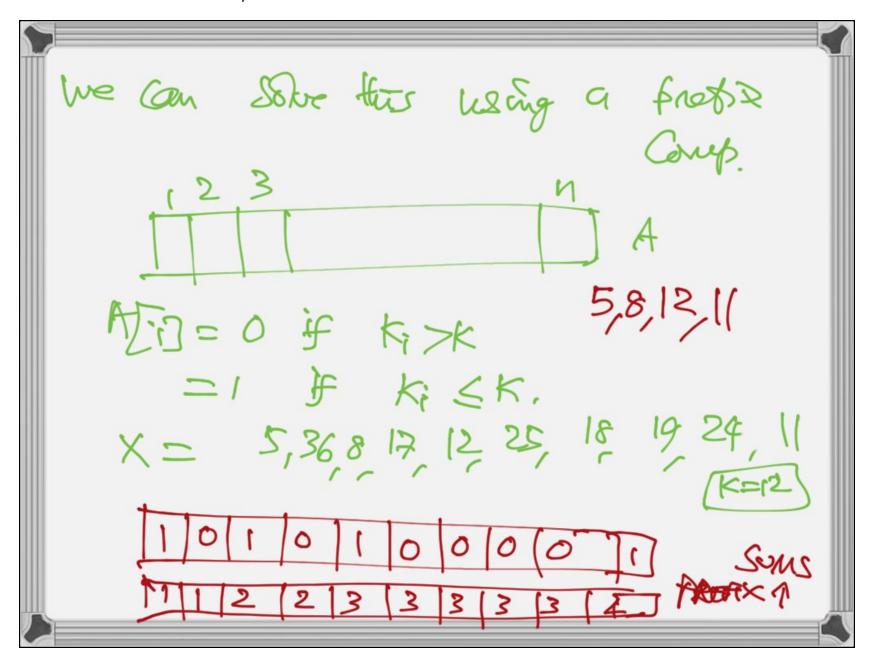
NPUT: X = k; kz; Kn & E.  Output: k, k, Dkz, k, Db Dkz,,  K, D & D D Kn.  ARBITRARY UNIT TIME, BINARY,  & ASSOCIATIVE OPERATOR.
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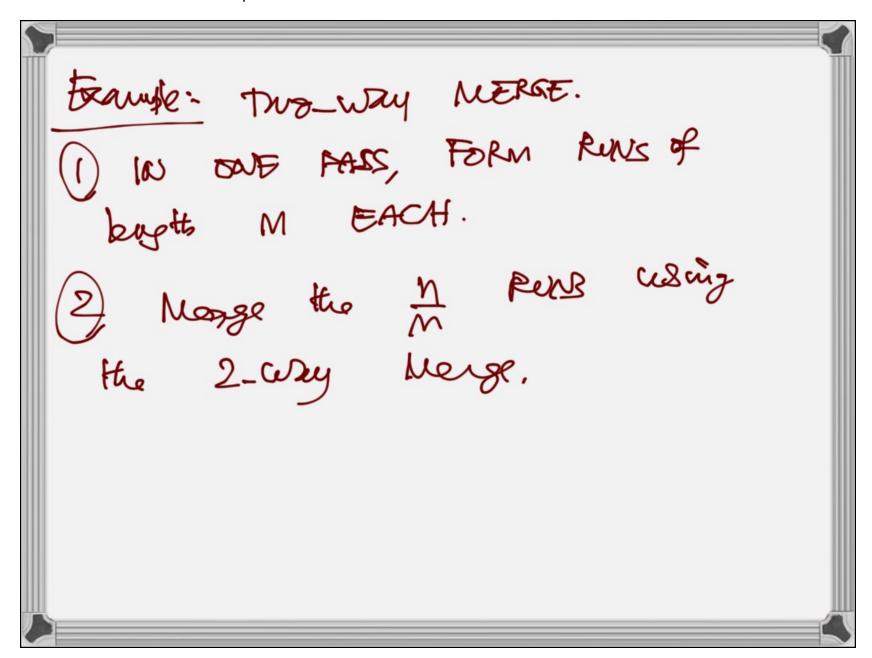
= to the Rank B an Danverd. = to try the kex. Rank (KX) = [2EX: 2<K] we can solve this in Otophy some wring my crew skam skon in O (boar) time wing.

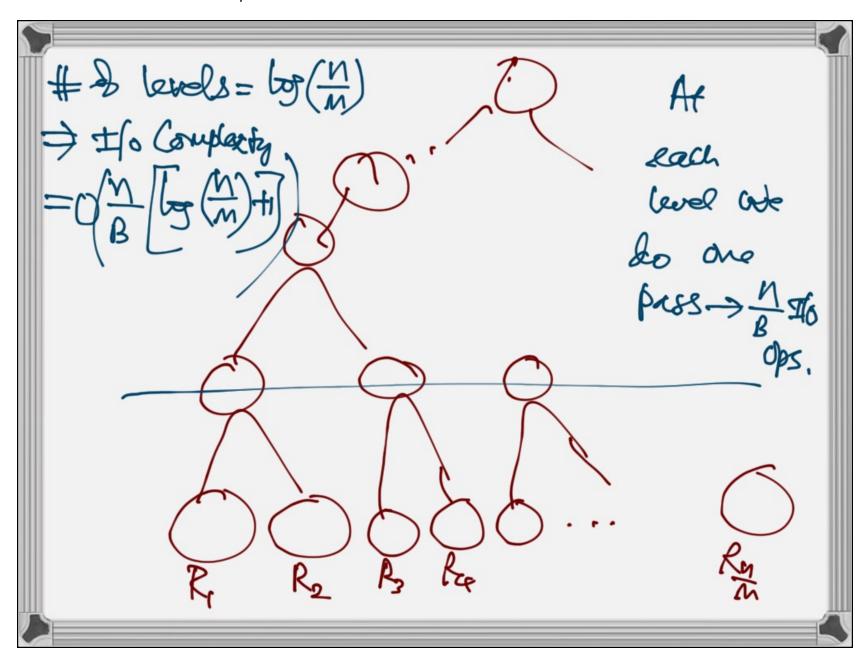
Scow_ DOWN CEMENT:
IF A pl Aco. takes time T Using P proc. the Same age
Conse Mun on a P_ fracessor
mbc in $O\left(\frac{PT}{Pr}\right)$ time,  For any $D' \leq P$
For any p'sp.

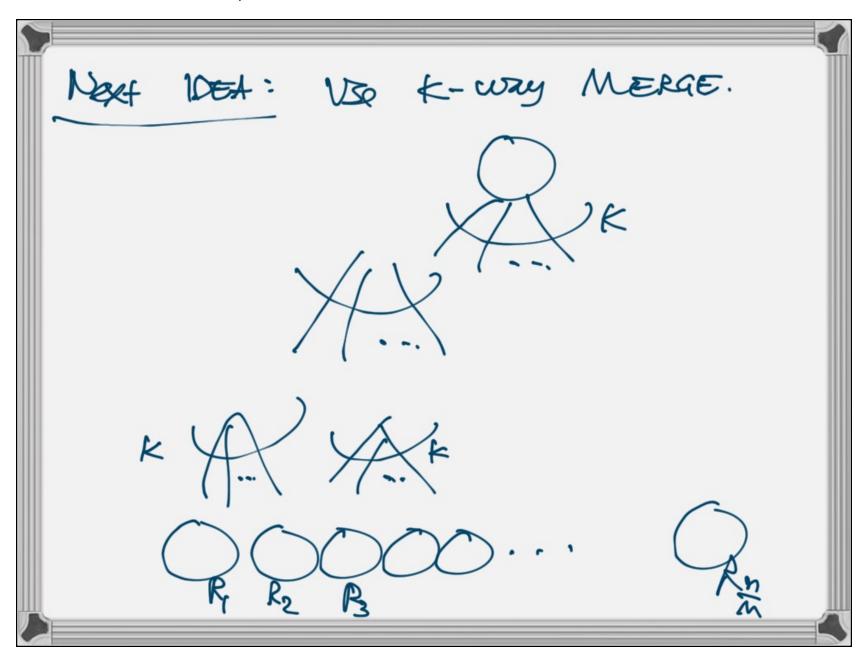
Dut of Gre Computing: B-> BLOCK SIZE. PROBLEM: SORTING M thereon: Any sorting alo. weeks

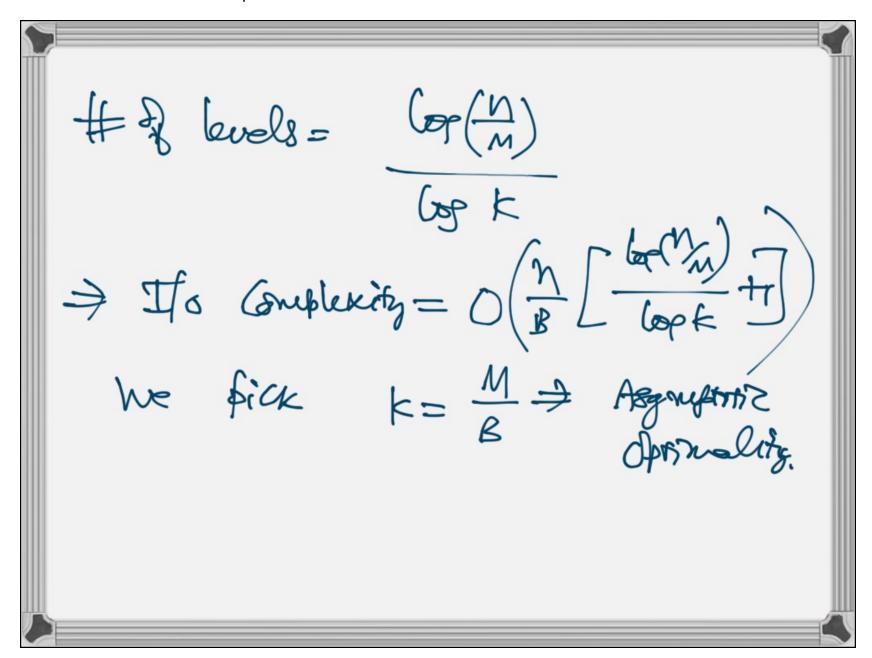
Log (M/M)

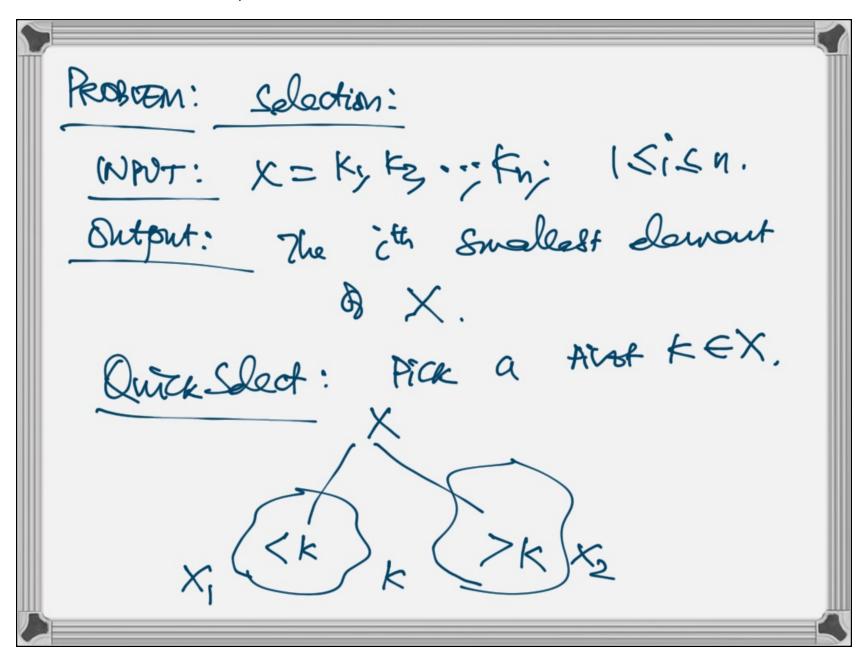
To Sperations.











CHEI: if [X1]= i-1 then ordfaut k 2 quit;
CASE 2: jf  X1  > i then  Output Quick Select (X, i);
CASE 3: if  X,  +1 < i then  Dutput Buick Solect (Xz, c-1X,1-1);
FACT: We can do solection on a Single OBK in $O(\frac{h}{B})$ Ilo \$8.

Model Ex	aru:
P1: (A	=  B  = n; ANB=N7.
Repeat	Bush Step.
	Piax a Randon A[i]; Do a, Rom. Sect in B;
	is Asi) CB outpout Asis)
	2 guit;
Forever	

