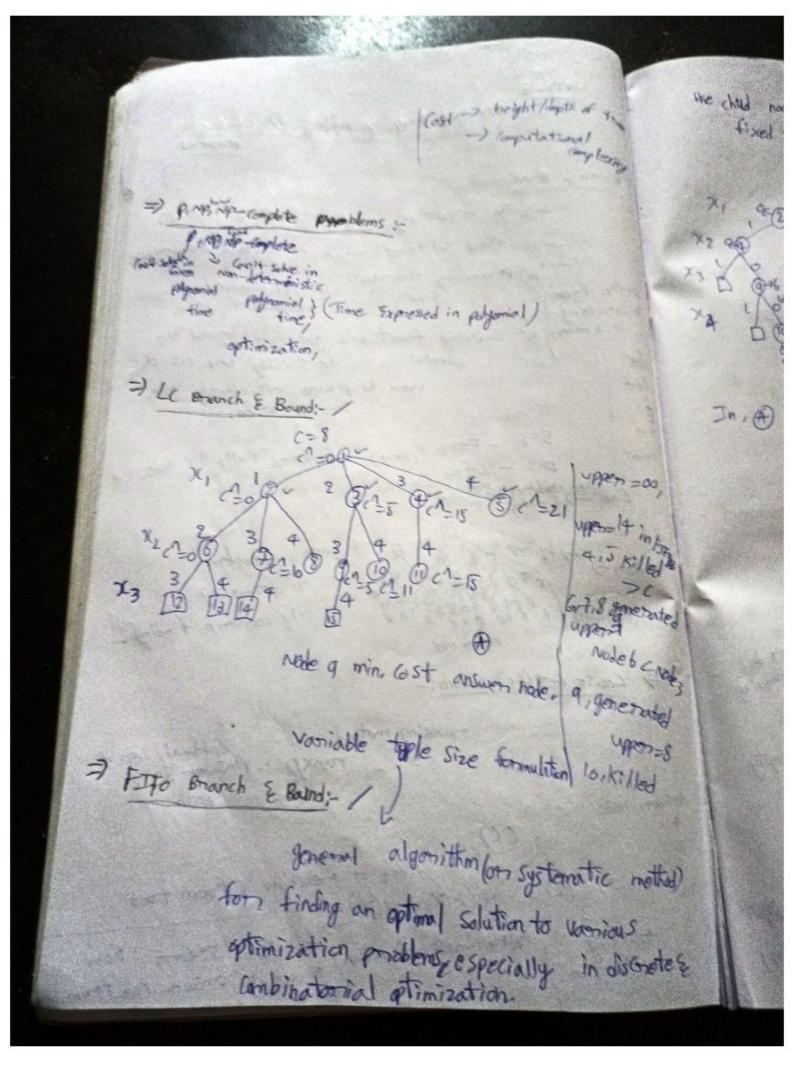
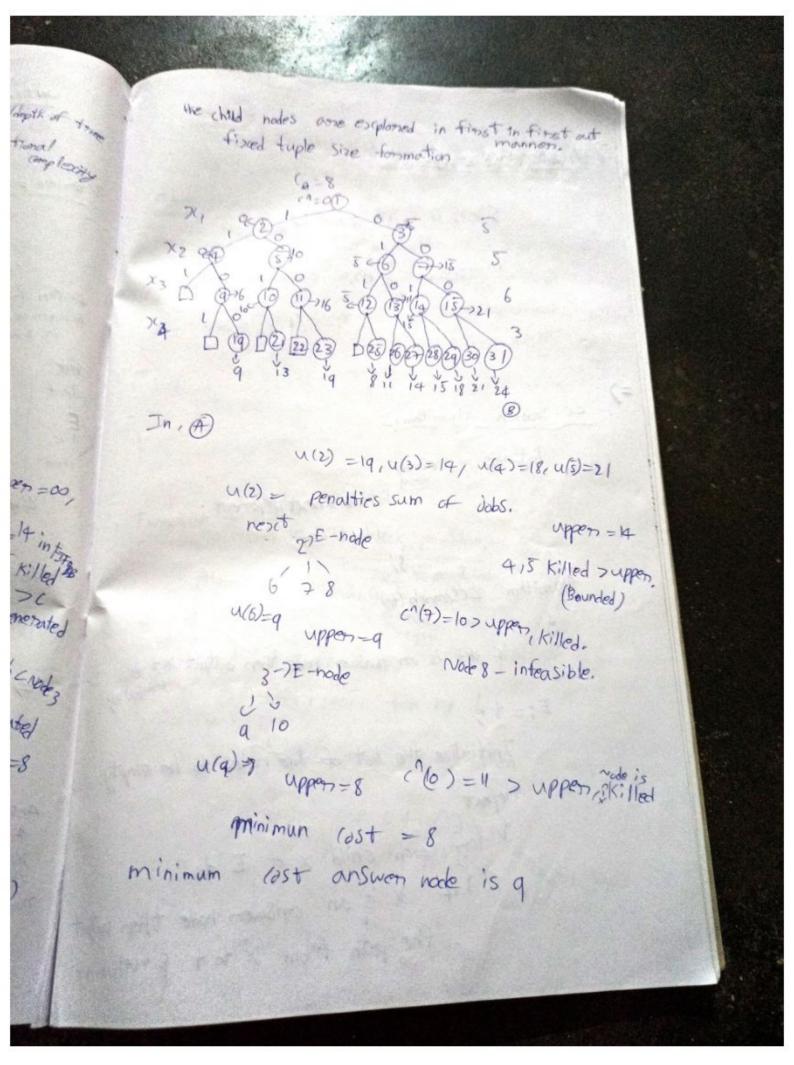


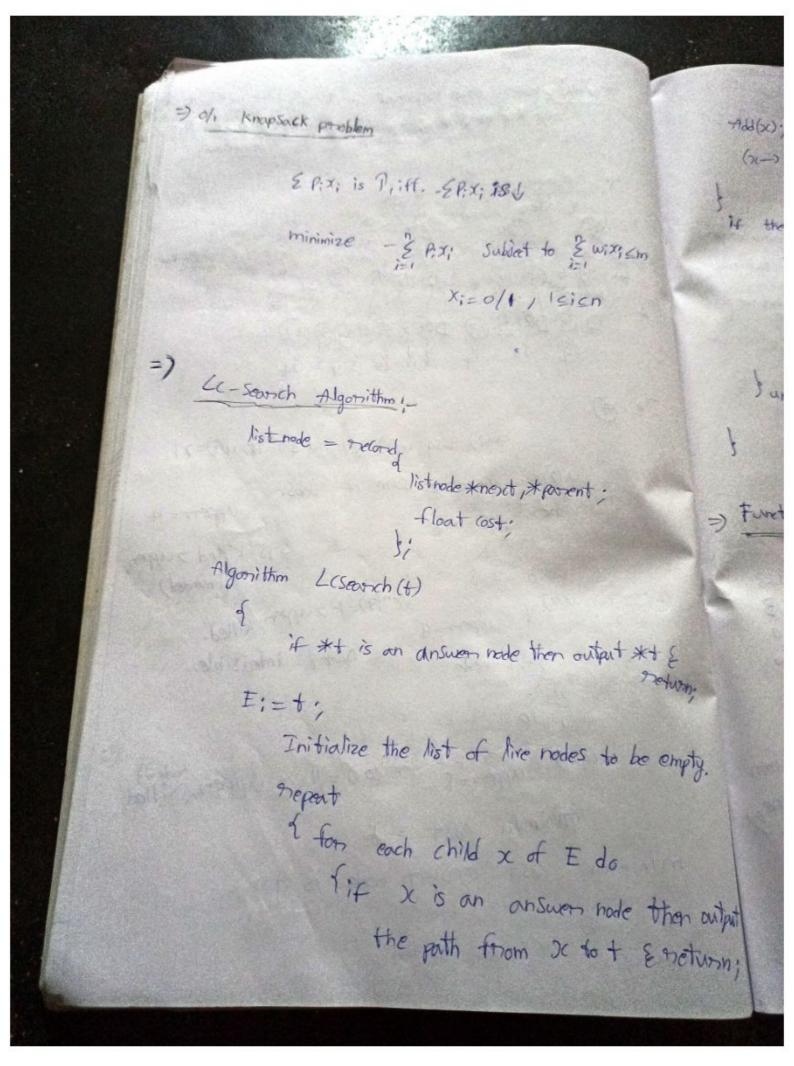
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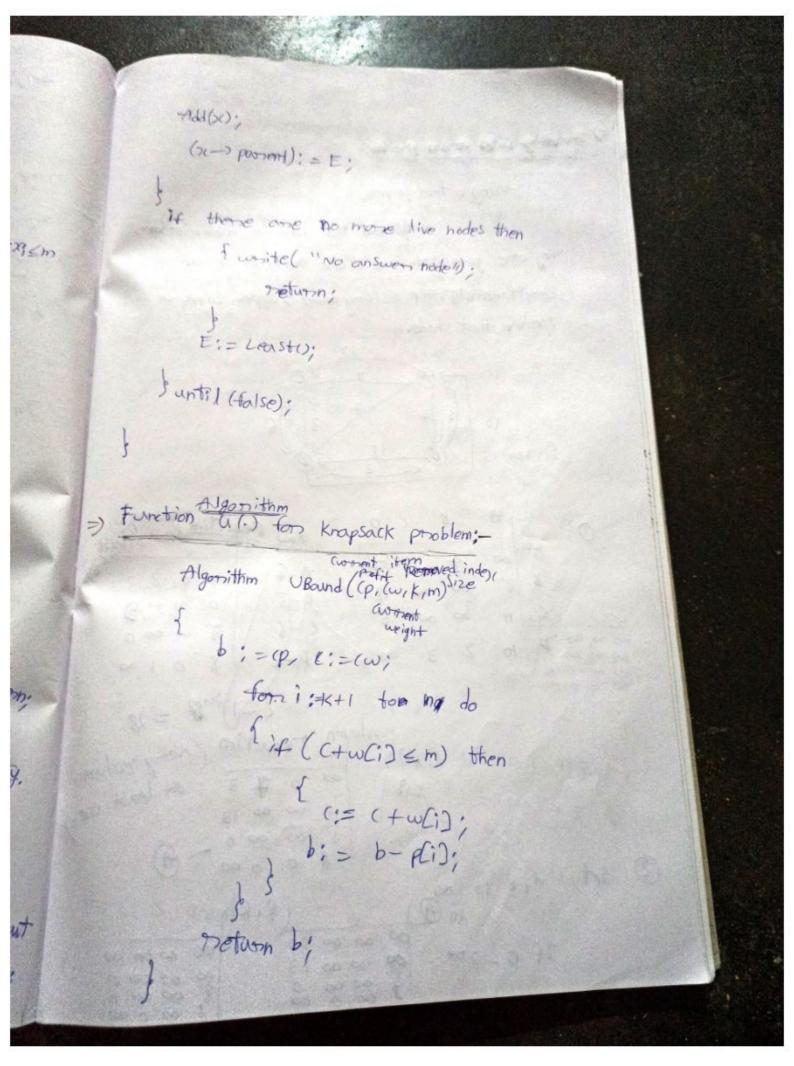
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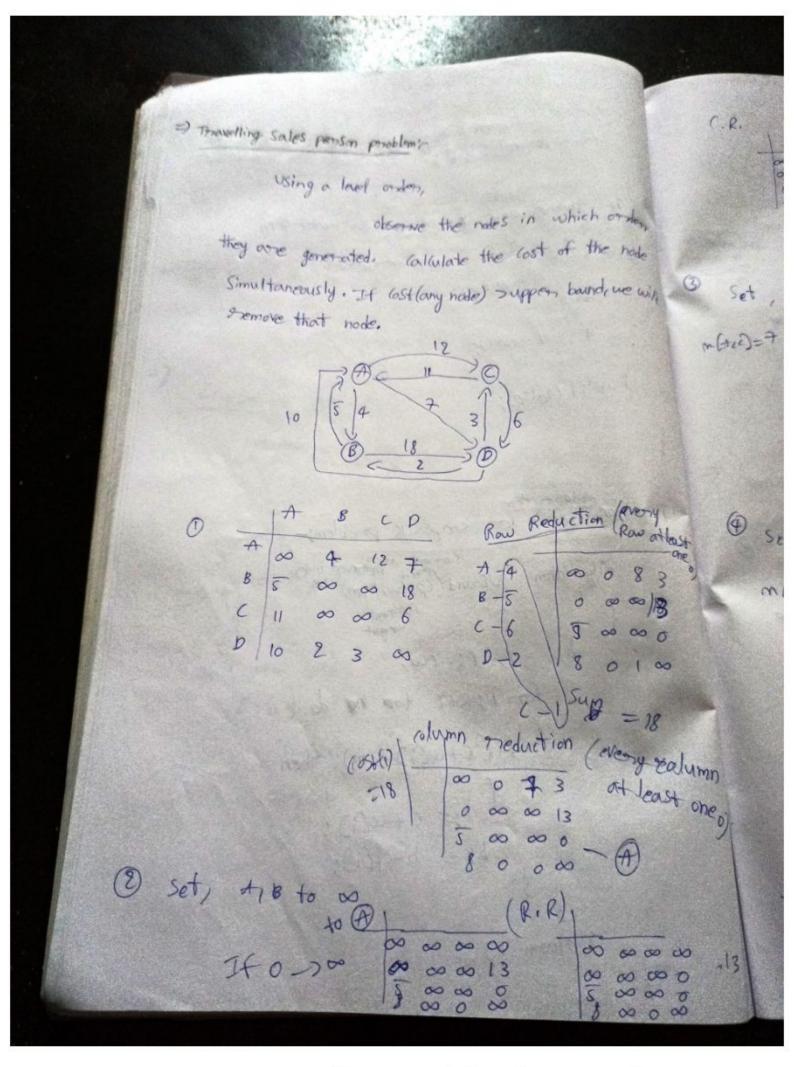
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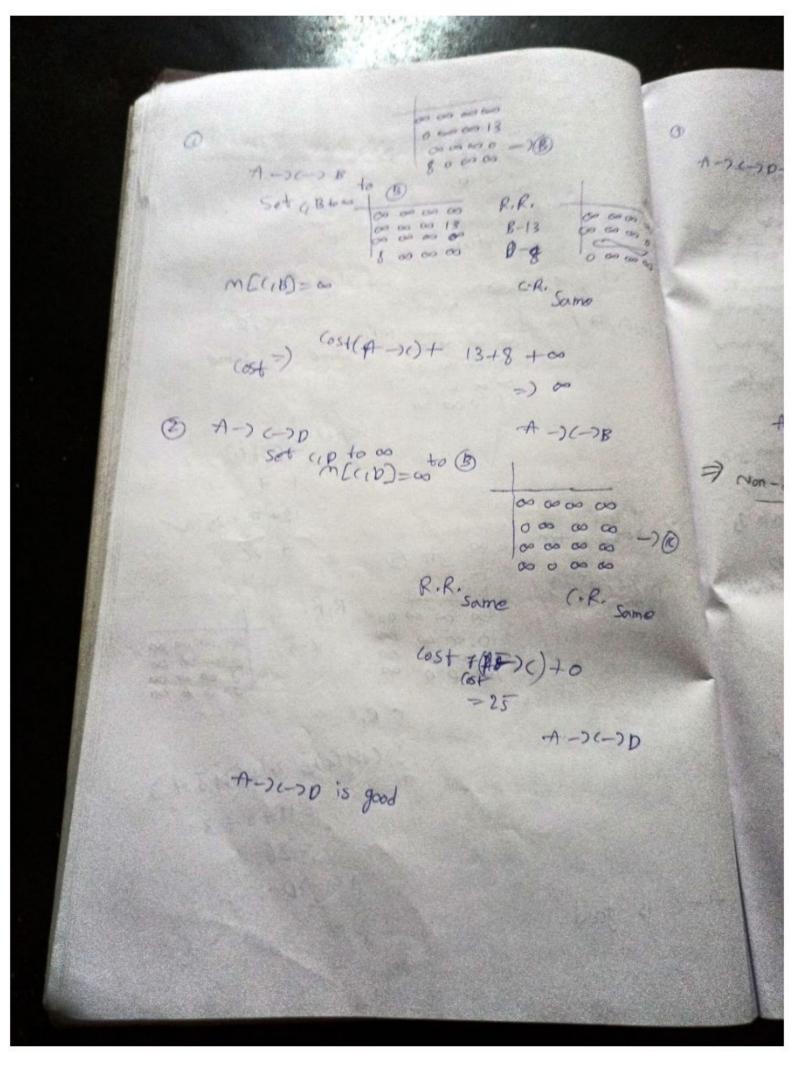


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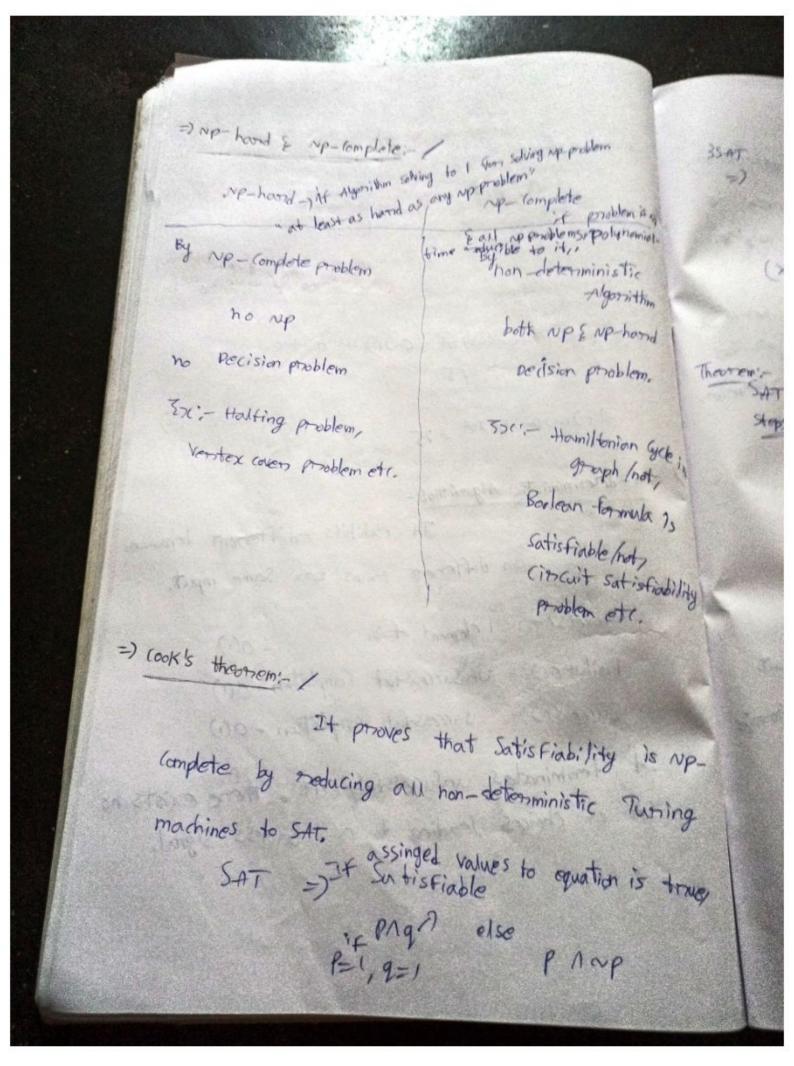
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0 A-フィーフロー)B Set, DIB toos 00 00 00 00 00 00 00 00 00 00 00 00 R.R. Some / Same (ost = (os+(A ->c->p) + o + o A-)(-)0-)B-)A = 25 7 Non-deterministic Algorithms; It exhibits different behavious an different runs for same input, Choice(s) - 1 element of s. Failurec) - un successful Completion - O(1) Success() - successful completion -0(1) It terminates unsuccessfuly iff a there exists no Set of choices leading to a surress signal.

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p problem Epip is satisfiable ete problem is up nsepolynomial-3-CNF formula) (lause Every clause exactly or 3 literals ministic Algorithm up-hand moblem. Theorem:-SAT is NP-Complete Steps

O) execution (polynomial fime) -> well formed nian Got in mula 1s Such that formula satisfie if madine d accept input. istiability b) Show Sum of lengths of formulae is polynomial in the Size of problem. z) Steps -) NP-Hard (L) - Can
Polynomial Treduce NP to L s NP--) NP-ramplete - LENP -> LENP -> NOTIN for L truns in polynomial time. Ne) -> NPTM-) only model we have for up problem.

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we can phyromially traduce & an orbitrary Finish Polynomial NOTA to SATT. It means we have proven satt is rup complete, School > Np-scheduling problems: - atimal schedule for set of delis Np-complete even in 2 postspicted cases: - time is unit. b) All lobs Non-Stoo require 1/2 time units, & there are only 2 prosson Trosolving, Property - Pn -) m machines TITTITS -- TK -) Processing time. Schedule 51 for each Job JK. a) processors which Job Ix is Contried out. b) Time period during which tob JK Coonie aut prolessing, only 1 Job, fx-finish time for Job Tx. mean finish time MET => 1 2 fx

weight mean finish time
wmFT => 1 1 2 fx

wmFT => 1 2 fx

wmFT => 1 2 fx

n k=1

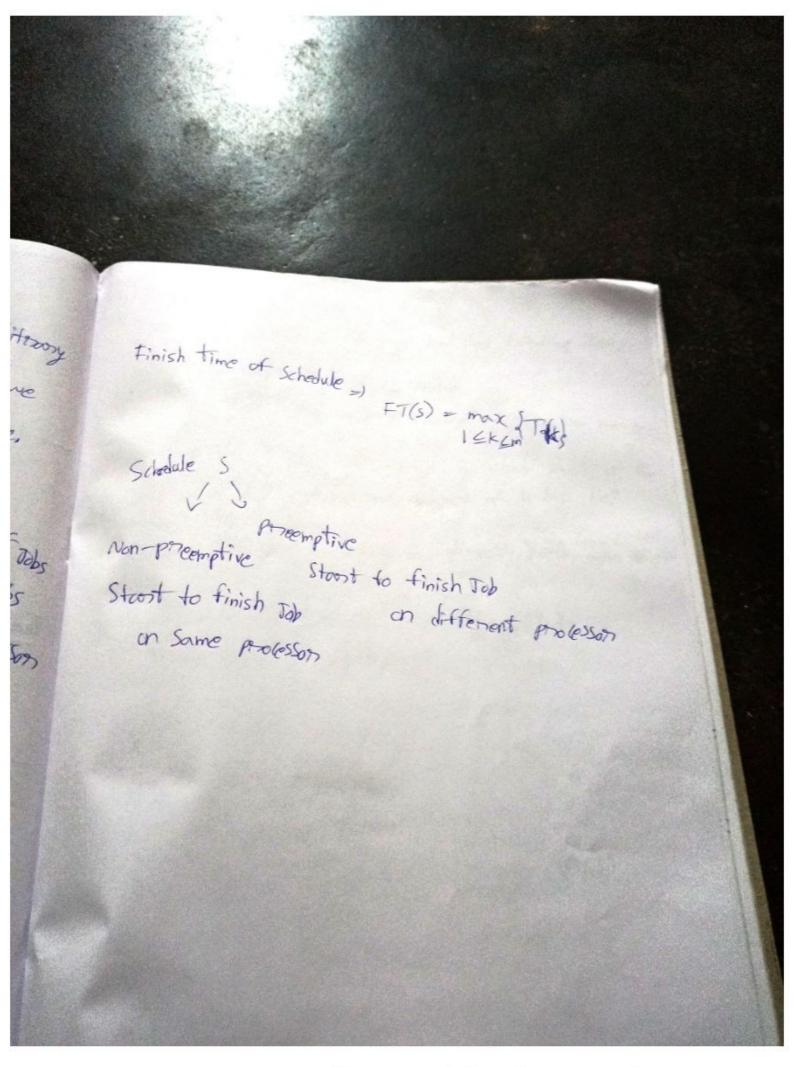
n k=1

n k=1

n k=1

n k=1

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