123k-0065 Talha Rusman Assignment (03) 13A5-411

Question (01):

Initial population is generated

Assume \[\begin{bmatrix} 2 & 2 & 2 & 2 & 2 & 2 & 3 \\ 2 & 2 & 1 & 3 & 1 & 2 & 3 \end{bmatrix} \]
\[\begin{bmatrix} 2 & 2 & 1 & 2 & 1 & 1 & 1 \\ 2 & 2 & 2 & 3 & 1 & 1 & 1 \end{bmatrix} \]
\[\begin{bmatrix} 2 & 2 & 2 & 3 & 2 & 1 & 3 \end{bmatrix} \]
\[\begin{bmatrix} 3 & 2 & 2 & 3 & 2 & 1 & 3 \end{bmatrix} \]
\[\text{ad so on unlist bin tata} \]

Aster this, 2 chromosoms from this are selected

Assily, mus situased are calected

eg [-11, -82, -82; 80, -18, -82]

(-ve since we his 60 minize)

Because we can use soll 6 to wheel, partitibles

are acalculted 1 eg [0.158, 0.171, 05.171, 05.71, 0.16.7]

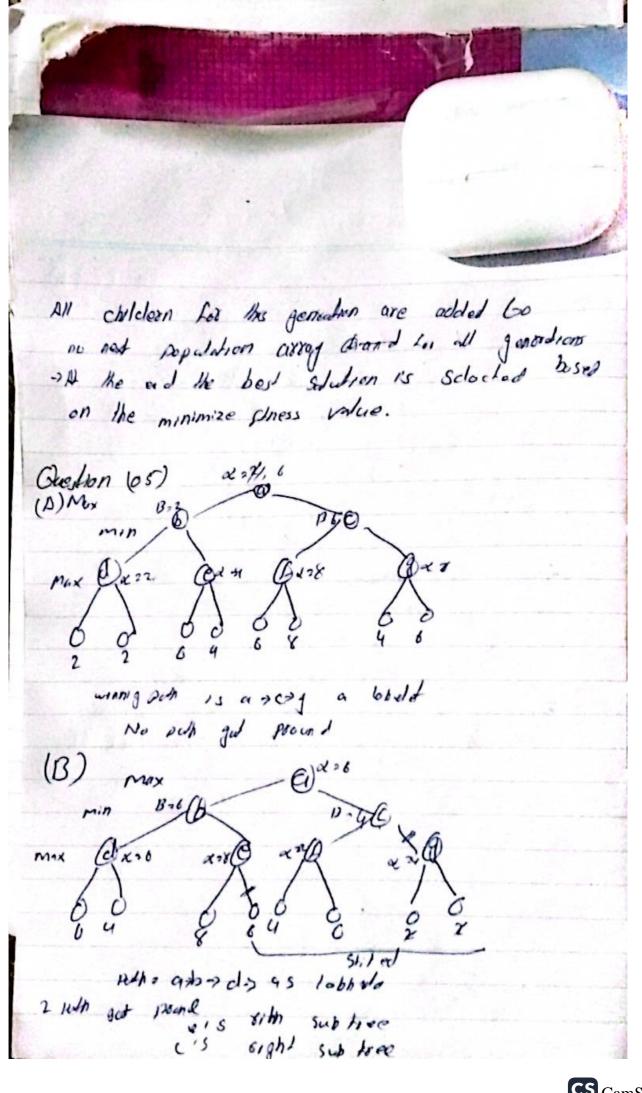
The 2 mods one School bosed on 1650, probability of.

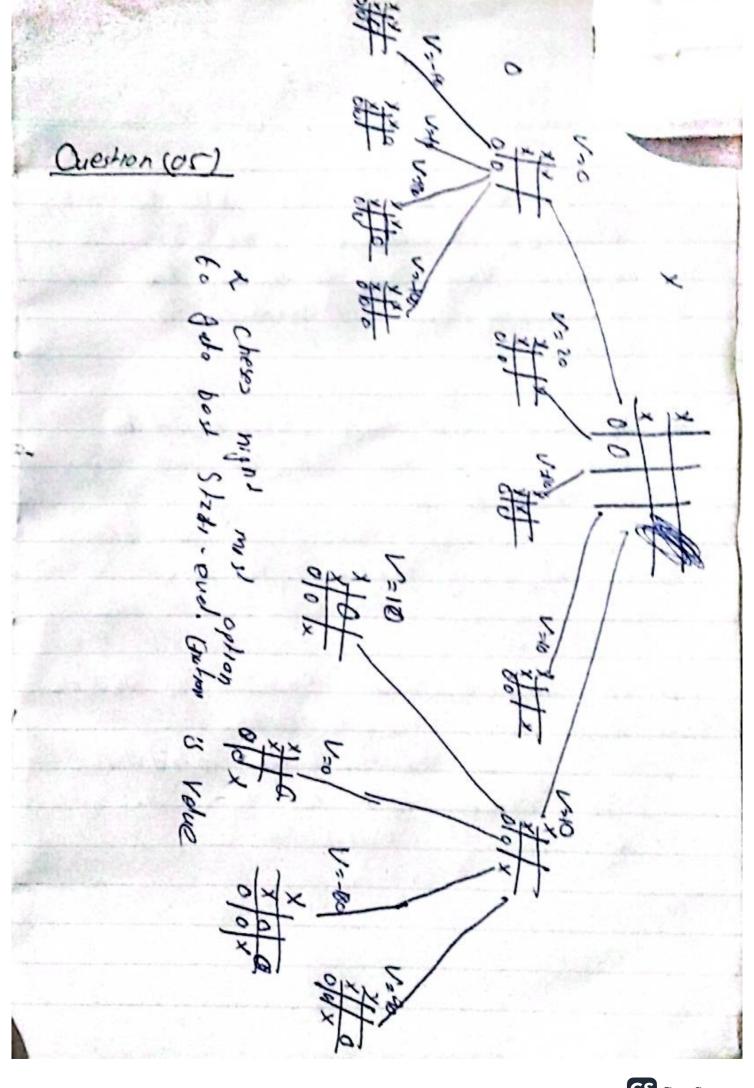
P1 = [3 2 2 2 2 2 3]

P2 = [2 2 1 3 12 3]

Then 2 poods are

Then their children we gentered from crossover





(260) a)

- 1) Physics are the definds aims to Attasteer. The definds aims to muximize them score by innering the to musimise their strate on the system.
- The decision of each player would be pict a move such that that's adversory is forced to pich a not so god more i.e maximpe their source but minimize opponents, e.g atedeor would not its restess i.e sacres proposed to propose a but more
- 3) In non stochastic Secondos, the defeadat would have a single delininistic of algor to sely on but with the introducing, the depends now has to cosided option by tred of prohibitions

