

Page 2

Nameata Gudi 4NII715046 150442 4NI

2) Genetic algorithm.

-) is a varient of stochastic beam search in which successor states are generated by combining 2 parent states take than by modifying a single state

function GENETIC -ALGO (population, FITNESS-FN) extrems an individual

riputs: population, set of individuals

FITNESS-FN, a function that measures the fitness of an individual

new population & empty set

for i=1 to SIZE (population) do

six RANDOM-SELECTION (population, FITNESS-FM)

y = RANDOM - GELECTION (population FITNESS-FM)

whild = REPPODUCE (x,y)

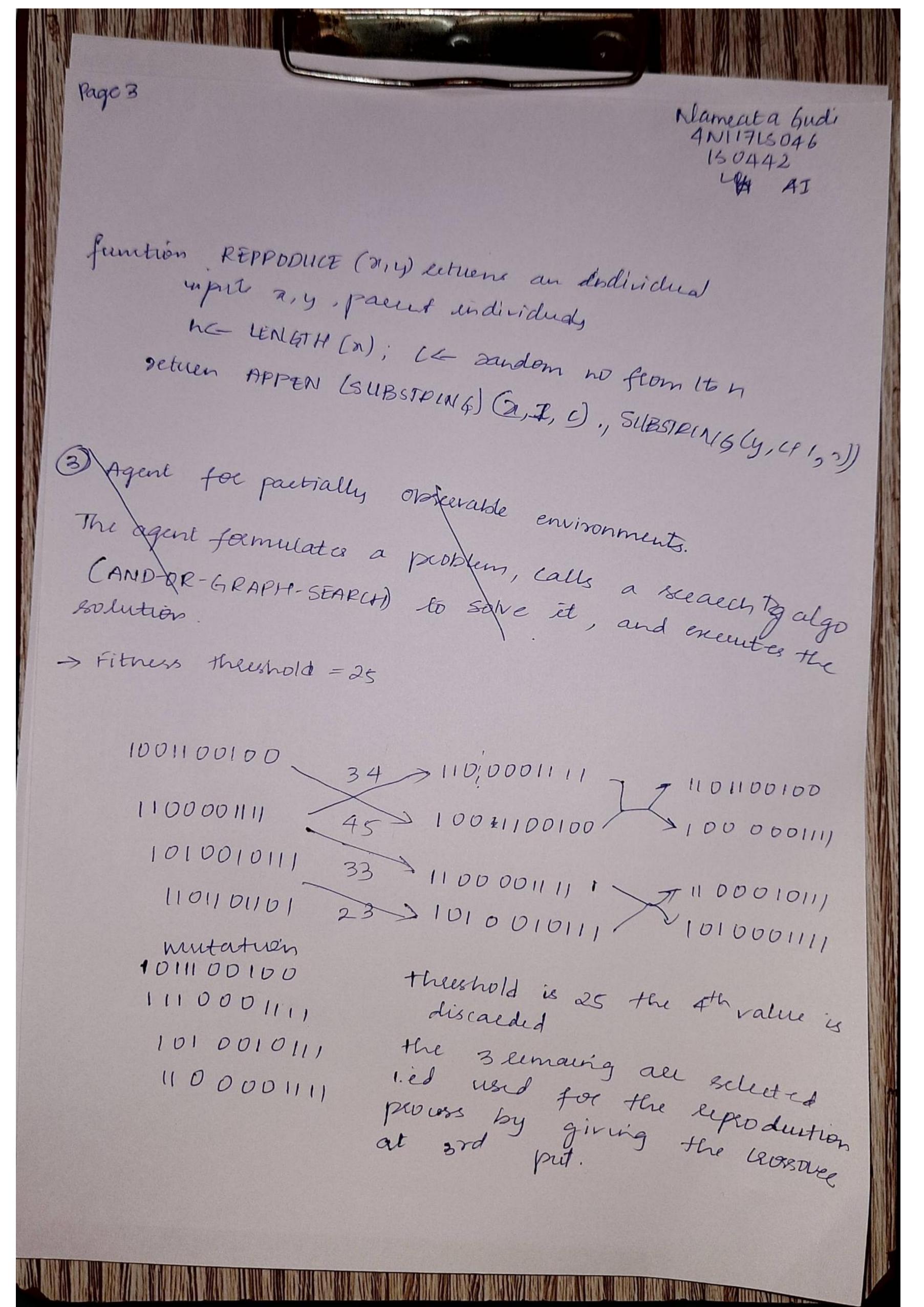
if Ismall Random probability) Then child = MUTATE(

population = new population (hild)

population = new population (hild)

will trans individual is fit enough or mongretime has

elapsed then the best endividual in population,



Namenta Gudi ANCHITISO46 Page 4 150442 4 A1 mutation in durinal Mutation 740 911 663 783 Initial MSW, Nent N since after the Morth to blocked one I possible state > the other 3 states [(DS)] does blockage in North hence it does not Sta Satisty the purept give First row and column @ as the next percept position