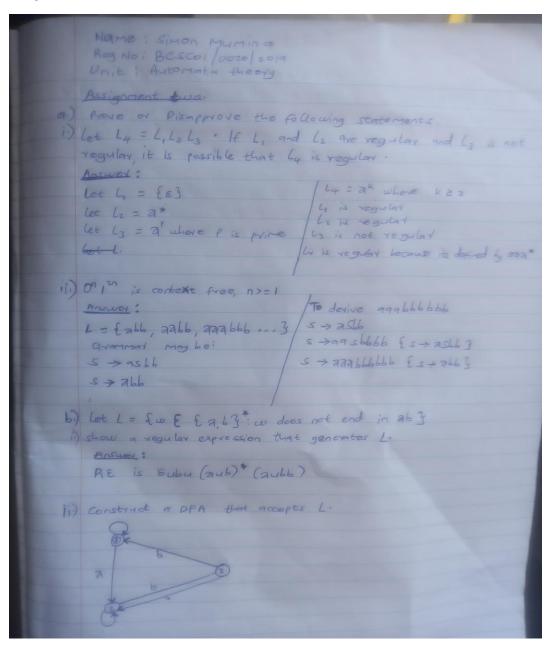
SIMON MUMINA KITUKU

BCSC01/0020/2019

AUTOMATA THEORY

Assignment 2.



c) Explain the statement "N = NP" when a problem is considered to be NP - complete.

Answer:

this is a problem in which a correction of each solution can be vatified quickly and a brute force search algorithm on find a solution by actually trying all the available possible solutions. This can be used to stimulate other problems for which we can quickly rectify that a solution is also.

- o) given: $L1 = \{x \in \Sigma^* | x \text{ contains even no's of 0's } L2 = \{x \in \Sigma^* | x \text{ contains odd no's of 1's } \}$
- i) Give language LIULZ.

ABOUT :

il) Give language 4 1 lz

Answer

L= £1,1111,11111, ...3

: 4,062 is

£ 001, 00 111, 00/1111, 000, 000 111, 0000, 1111, 000