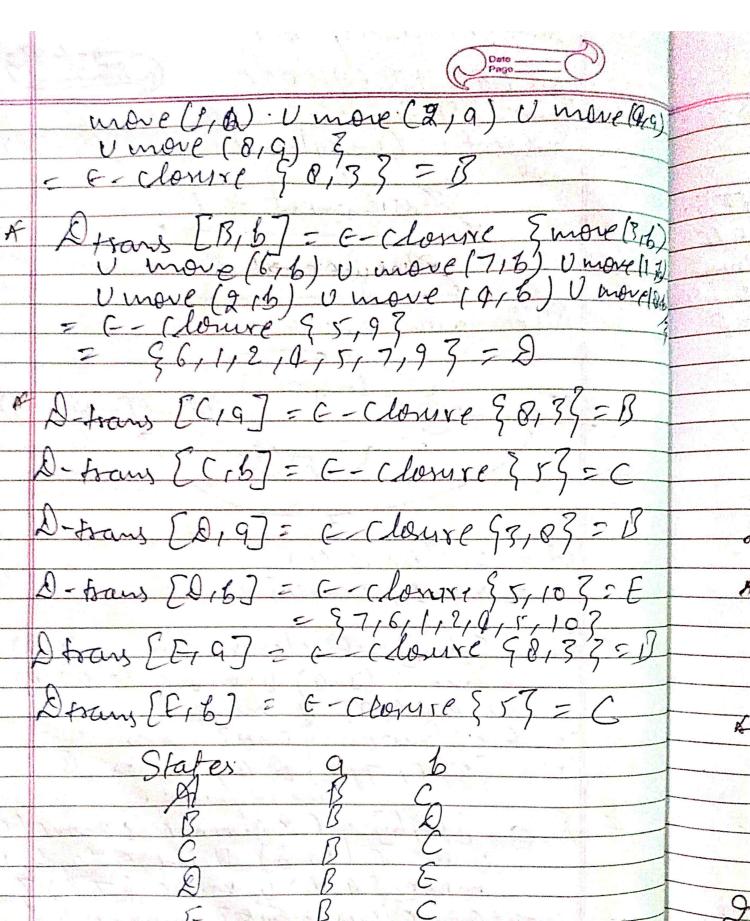
Name: Atrastideep Somi 0.23/09/20 Roll No: +016410036 (235707)30
Branch & Section: CS 3B
Subject: Compiler Design (KCS-502) 2 Assignment > 1 Answer of NFA with comoves Start (5) -3 (5) A = E-cloryre (0) = {0,1,2,4,75 33,6,7,1,2,4,83=18 Dtrong [A,b] = E - clorure & move (0,b) U move (2,b) U move (2,b) U move [4,6) y move (7,6) } = c-clouve } 53 = 56,7,5,1/2,13 = c F Drans [3,9] = E-clory e & more (3,9) V more (6,9) v more (7,9) v



Awwer - 2 Phases of Compiler: L'exical Analyzer: Lexical analysis place converts source frogram juto folgens with the eath of Regular expression.

RE for identifier = e(e+d)-4 Meaningful character stream 18 called lexens and for each lexens and for each lexens tolors Tolor = Litoleenname, tohennox 2. Syrtax Avalyns Blase: Famous Syntax Analyzes took (Yet another compiler compiler)

CIDILA CERCIDIRA CAR CAR CIDIST CAR 2600 Teyntax Buolyzes + CFG= E-SEAFIT Parke Tree Foldhum S-> 10=E Now ferde tree It takes what as a stream of tobers with the help of the be generate parse fer for these folecy Semantic Analysio, Type Checking by 9 flog b

d = C(nt) 6 float b GAPCICIT Juble I

Samanfiely verified force free. Internediate Code generation,

3 address code

1 = 60.00

12 = (12,3) & 11

13 = (12,2) & 12 (ld1) = #3 (mec) ate addressing mode (a) Indirect addressing mode (E) Code Generations Optunzers the ode by putting constates directly wins immediate addression with 1 = (11, 3) + (60.0)

6 Target Code generations Generale Code COF R, (10,3) MUCF R2, (10,2) LOF R3, (10,2) ADDF R3, R3, R2 STF (10,1), R3 Hurwer 3 Moning DPA means reducing
the numbers of states from
given & PA. 2 states 8 8 are equivalent whe $S(\beta, \omega) \in F \longrightarrow S(2, \omega) \in F$ 8(B/w) XF => 8(2,w) XF we have to various steps Step? Delete all the states from swend which are not reachable state from I mitial state from table state final and went final state

[20,21, 25] [22,29] = [20] [21122] [20]. Transtron Table