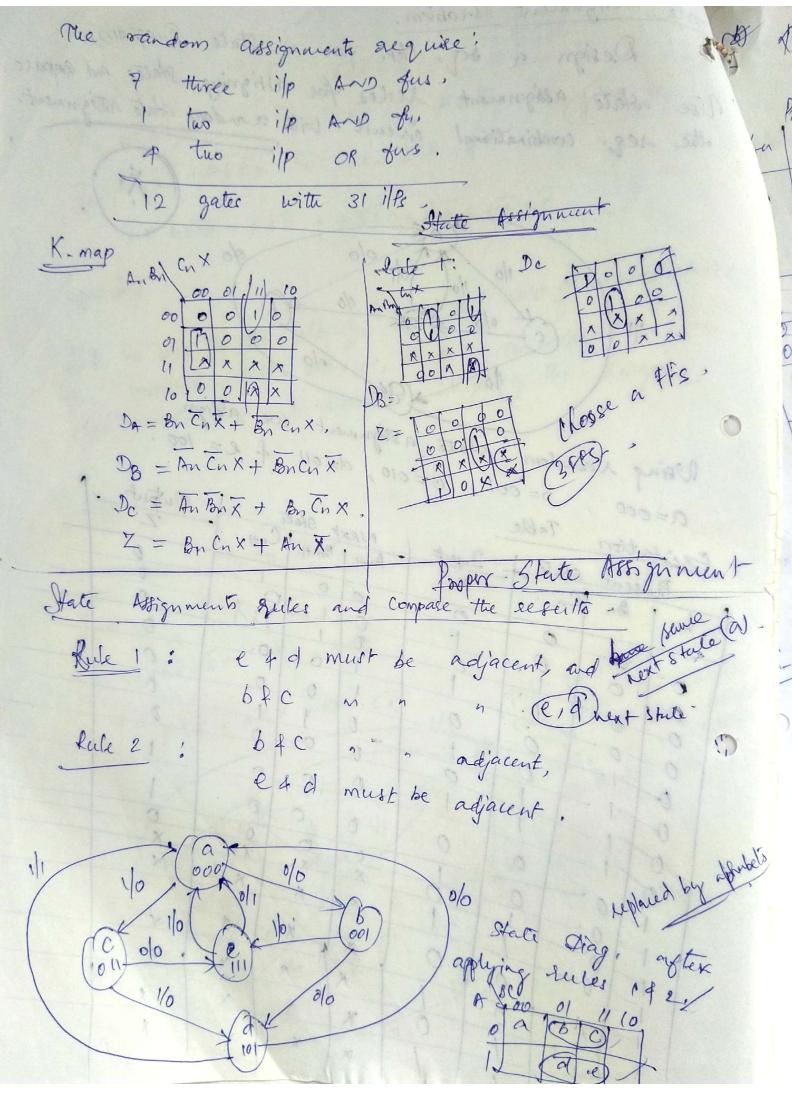
State Assignment Problem.
Design a deg. Okt. far a State Diagram,
Use state assignment sciles fice ash gring states and compase
the seq. combinational circuit with andom state assignment,
AND IS THE WAY OF THE PARTY OF
Tax olo
10/10/01/
10 Cd 010
Using rawdom state assignment we assign, $b=001$, $c=010$, $d=011$ & $e=100$, $b=001$, $c=010$, $d=011$
Voing Lawdom state a signment at 0=000, c=010, d=011 & c=100. Table output output
Present State - 1 put Aut 1 anti
An o o o o
O O O O X X X
1 0 0 0 × × × ×
TO XXXX
XXXX
X X X X

Scanned by CamScanner



Scanned by CamScanner

I map showing dec, de adjacent to each otto
I map showing but de adjacent to eachotten
6Ha (co) e
Pr-state Input Next State Output
An I on Cn x Aut Bny Cny Z
00011111
0,00 N X X
10 10 1 x x x x
X
1 0 p x x
1 10 1
11100000
Brut FILL
An Bon Cux.
1 map
Do Colotte
ANH STATES
= mn cn - 3x+ An min
But = DB = AN ENX Chy XX 10 2 - ANIBAX 2 - ANIBAX
Cut = DC = An En X. Cut = DC = An En X. Rule 142 require.
Cut = DC = An En X. Cut = An Bon X + An En X. Z = An Bon X + An En X. The state authornments with your state. The state authornments with your state.
7 = Anison 1
tate attignment ile AND firs.
The staree ip AND your.
, wo
two ile or fus,
7 gates with 18 iles.
7 gates with 18 iles. Second devillationed.
bede 1 4 2 1

Scanned by CamScanner