Assignment Maximization Problem Maximization Problem: convert it into a maximization problem by by subtracting all the elements from the largest element. Rest procedure is similar to the maximization pro blem phase 1: Row and column reduction. Phase 2: Optimization of the problem. D Step 1 - Draw a minimum no of lines to cover all the zeros of the matrix. (a) Row searning Repeat the procedure of Check whether at the zeros are covered with lines If yes => Groto next step. If no => Select the zeros diagonally opposite with each other. Step 2 -> No of squares marked = no of rows If yes => treat the solution as marked by the squares as an optimal solution. If no => Go to Step 3. Step3 > Identify minimum value of the undeleted cell values. · Copy all the deleted values as it is · Add the minimum element to the intersecting · Subtract the minimum element undeleted call values

Mext C	
autil optimal condition is reached	
optimal condition is	
Example: Solve the following assignment problem to maximize sales	
Toplem to maximize sales	
I I I II	
Salesman B 35 29 20 14 35 29 20 14	
C	
D 12+ 20 13	
-> Converting on to minimization problem	
and an adimum element.	
by subtracting maximum element. TIL IV Row min	
92	
A 3	
B 1 25 31	
$\frac{16}{25}$ $\frac{16}{30}$ $\frac{25}{30}$ $\frac{35}{30}$ $\frac{18}{35}$	
D 18 25	
WE (C) (D)	
The state of the s	
15 23	1.
10 6	
0 6	7
$\frac{1}{2}$	
12 17	1
6	
Column 0	
	71

