

Jan D. J. W. S. W. and our minimum cost will be min. w = 5 de 11 + 4 x12 + 2 2613 + 0 214 + 3 xg1 + 4 xg2 + 5 x23 + 0 x24 x11 + x12 + x13 + x14 = 10 x 21 +x22 + x23 + x24 = 6 sc 11 + x 21 = 5  $\alpha_{13} + \alpha_{22} = 5$   $\alpha_{13} + \alpha_{23} = 5$ and 214+224 = 1 ' and \aii (as integers) , to 30, \fi=1,2, \fi=1,2,3,4. -) note, we have considered seij in thousand numbers and off. fun unit is cents. (b) > Solving this problem using transportation method. ost method: Initial BFS using minimum by allocating maxim pacrible units to least cost cells; We get brom provious table: now, calculating (i) (reduced costs) for NBV of initial Bts based take, after assigning 1,=0 and cakulathe vesuts =>> Ewhere u; and vi are dual variables? (note that cij = 4: + Vi - Cij and it will be rem for Basic variables, so we will final Gis only for NBV variables?

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