Hungarian Method 21 24 24 1) Row Reduction - find minimum and subtract from that vo w 8 law min = 20 Row min = 15 1 Row min = 23. 2) Coloumn Reduction - find minimum and subtract from each that coloumn (from Row Reduced matrix) 0 5 1 1 0 3 7 1 2 0 3 6 2 0 0 0 3) Try to Cover Max no. of zeroes with min no. of lines Note; It no. of lines not equal to — n (nxm) do optimazation else if no. of lines are equal to n (m/xm) directly assign the Jobs from optimized matrix. 3 lines (must be 4 for 444) 1) Determine the smallest entry not covered by any line. Subtract that from uncovered rows - Add to the covered coloumns.

 $C \rightarrow J2$ R3 and C2 excluded $A \rightarrow J1$ C1 and R1 excluded. $B \rightarrow J4$ C4 and R2 excluded. $D \rightarrow J3$