

Assignment

→ repetitive calculation - Iteration
 → "Hungarian Method"

add dummy row / column (which contains all zeros)

rows # columns

unbalanced data

No. of rows = no. of columns

Balanced data

Balanced - then next step

Row operation : (-) minimum element of each row from all elements of respective row

column operation : after row minimised matrix

(-) minimum element from each column

Draw minimum no. of Horizontal & vertical lines to cover all zeros.

If No. of lines = order of matrix

optimal

Non degenerate

If no. of lines # order of matrix — step A —

step A

* assignment started - solution

① select smallest uncovered element (i.e. least) open

② subtract (Reduce it from remaining uncovered element (open) AND

③ Add intersection junction covered elements - remains same

④ then start the process of drawing Minimum lines & Assignment will start.

