

22/07/21

(gross Profit row) Z_j	-	0	0	0	0	0
(net Profit row) $C_j - Z_j$	-	7	5	0	0	0

Find the new incoming variable. In maximization problems, it will be the largest positive $C_j - Z_j$ value. Here, $C_j - Z_j$ highest is 7, so new incoming variable will be x_1 .

Smallest positive ratio is the basis for outgoing variable

x_1 is the new incoming variable and S_2 is the new outgoing variable. Key variable is 2 or Key element is 2.

Step 5: TABLE CHECK:

1. Solution mix variables have positive quantities ~~values~~ only, not negative or zero.

[No. of constraints = no. of solution min variables.]

DATE: / /

PAGE NO.: 15

2. Ratio is calculated for positive values of pivot column only.
3. Solution min variables have identity matrix pattern.
4. $C_j - Z_j$ value for solution min variable must be 0.