

Tugas_2_Tas_Ray_Format_Manual - Excel

max $Z = X \cdot 300000 + Y \cdot 500000$

M1: $2 \cdot X + 0 \leq 8$
M2: $0 + 3 \cdot Y \leq 15$
M3: $6 \cdot X + 5 \cdot Y \leq 30$

$m1: 2x = 8; x = 4$
 $m2: 3y = 15; y = 5$
 $m3: 6x = 30; x = 5$
 $m3: 5y = 30; y = 6$

Point	Z Value	M1 Status	M2 Status	M3 Status
a	$Z = 0 \cdot 300000 + 0 \cdot 500000 = 0$	valid / lancar	valid / lancar	valid / lancar
b	$Z = 0 \cdot 300000 + 5 \cdot 500000 = 2500000$	valid / lancar	valid / lancar	valid / lancar
c	$Z = 0,8 \cdot 300000 + 5 \cdot 500000 = 240000 + 2500000 = 2740000$	valid / lancar	valid / lancar	valid / lancar
d	$Z = 4 \cdot 300000 + 1,2 \cdot 500000 = 1200000 + 600000 = 1800000$	valid / lancar	valid / lancar	valid / lancar
e	$Z = 4 \cdot 300000 + 0 \cdot 500000 = 1200000 + 0 = 1200000$	valid / lancar	valid / lancar	valid / lancar
f	$Z = 5 \cdot 300000 + 0 \cdot 500000 = 1500000 + 0 = 1500000$	invalid / terkendala	valid / lancar	valid / lancar
g	$Z = 3 \cdot 300000 + 4 \cdot 500000 = 900000 + 2000000 = 2900000$	valid / lancar	valid / lancar	invalid / terkendala
h	$Z = 2 \cdot 300000 + 3 \cdot 500000 = 600000 + 1500000 = 2100000$	valid / lancar	valid / lancar	valid / lancar

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