max Z = 6.0X1 + 4.0X2 + 4.0X3

S.A.R

3.0X1 + 2.0X2 + 2.0X3 = 24.0

4.0X1 + 2.0X2 + 4.0X3 >= 40.0

3.0X1 + 2.0X2 + 2.0X3 + 1X4 + 0X5 + 0X6 = 24.0

4.0X1 + 2.0X2 + 4.0X3 + 0X4 - 1X5 + 1X6 = 40.0

Z - 6.0X1 - 4.0X2 - 4.0X3 + 1.0MX4 + 0X5 + 1.0MX6 = 0

Variables de Holgura: ['X5']

Variables Artificiales: ['X6', 'X4']

Tiene Soluciones Múltiples

X3 = 12

X5 = 8

Z = 48

V.B	X1	X2	X3	X4	X5	X6	bi
X4	3	2	2	1	0	0	24
X6	4	2	4	0	-1	1	40
Z	-7M - 6	-4M - 4	-6M - 4	0	M	0	-64M

V.E = X1 ***V.S = X4*** ***Pivote = 3***

V.B	X1	X2	X3	X4	X5	X6	bi
X1	1	2/3	2/3	1/3	0	0	8
X6	0	-2/3	4/3	-4/3	-1	1	8
Z	0	2M/3	-4M/3	7M/3 + 2	M	0	-8M + 48

V.E = X3 ***V.S = X6*** ***Pivote = 4/3***

V.B	X1	X2	X3	X4	X5	X6	bi
X1	1	1	0	1	1/2	-1/2	4
X3	0	-1/2	1	-1	-3/4	3/4	6
Z	0	0	0	M + 2	0	M	48

V.B	X1	X2	X3	X4	X5	X6	bi
X5	2	2	0	2	1	-1	8
X3	3/2	1	1	1/2	0	0	12
Z	0	0	0	M + 2	0	M	48

V.B	X1	X2	X3	X4	X5	X6	bi
X2	1	1	0	1	1/2	-1/2	4
X3	1/2	0	1	-1/2	-1/2	1/2	8
Z	0	0	0	M + 2	0	M	48

V.B	X1	X2	X3	X4	X5	X6	bi
X5	2	2	0	2	1	-1	8
X3	3/2	1	1	1/2	0	0	12
Z	0	0	0	M + 2	0	M	48

Tiene Soluciones Múltiples

X3 = 12

X5 = 8

Z = 48