

**min Z = 7.0X1 + 6.0X2 + 8.0X3**

**S.A.R**

**4.0X1 + 7.0X2 + 14.0X3 <= 28.0**

**3.0X1 + 4.0X2 + 6.0X3 >= 24.0**

**0.0X1 + 1.0X2 + 0.0X3 >= 2.0**

**4.0X1 + 7.0X2 + 14.0X3 + 1X4 + 0X5 + 0X6 + 0X7 + 0X8 = 28.0**

**3.0X1 + 4.0X2 + 6.0X3 + 0X4 - 1X5 + 1X6 + 0X7 + 0X8 = 24.0**

**0.0X1 + 1.0X2 + 0.0X3 + 0X4 + 0X5 + 0X6 - 1X7 + 1X8 = 2.0**

**Z - 7.0X1 - 6.0X2 - 8.0X3 + 0X4 + 0X5 - 1.0MX6 + 0X7 - 1.0MX8 = 0**

**Variables de Holgura: ['X7', 'X5', 'X4']**

**Variables Artificiales: ['X6', 'X8']**

**El Problema no tiene Solución.**

V.B	X1	X2	X3	X4	X5	X6	X7	X8	bi
X	4	7	14	1	0	0	0	0	28
X	3	4	6	0	-1	1	0	0	24
X	0	1	0	0	0	0	-1	1	2

Z	-7	-6	-8	0	0	-M	0	-M	0
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V.B	X1	X2	X3	X4	X5	X6	X7	X8	bi
X4	4	7	14	1	0	0	0	0	28
X6	3	4	6	0	-1	1	0	0	24
X8	0	1	0	0	0	0	-1	1	2
Z	3M - 7	5M - 6	6M - 8	0	-M	0	-M	0	26M

V.B	X1	X2	X3	X4	X5	X6	X7	X8	bi
X3	2/7	1/2	1	1/14	0	0	0	0	2
X6	9/7	1	0	-3/7	-1	1	0	0	12
X8	0	1	0	0	0	0	-1	1	2
Z	9M/7 - 33/7	2M - 2	0	-3M/7 + 4/7	-M	0	-M	0	14M + 16

V.B	X1	X2	X3	X4	X5	X6	X7	X8	bi
X3	2/7	0	1	1/14	0	0	1/2	-1/2	1
X6	9/7	0	0	-3/7	-1	1	1	-1	10
X2	0	1	0	0	0	0	-1	1	2
Z	9M/7 - 33/7	0	0	-3M/7 + 4/7	-M	0	M - 2	-2M + 2	10M + 20

V.B	X1	X2	X3	X4	X5	X6	X7	X8	bi
X1	1	0	7/2	1/4	0	0	7/4	-7/4	7/2
X6	0	0	-9/2	-3/4	-1	1	-5/4	5/4	11/2
X2	0	1	0	0	0	0	-1	1	2
Z	0	0	-9M/2 + 33/2	-3M/4 + 7/4	-M	0	-5M/4 + 25/4	M/4 - 25/4	11M/2 + 73/2

V.B	X1	X2	X3	X4	X5	X6	X7	X8	bi
X1	1	7/4	7/2	1/4	0	0	0	0	7
X6	0	-5/4	-9/2	-3/4	-1	1	0	0	3
X8	0	1	0	0	0	0	-1	1	2
Z	0	-M/4 + 25/4	-9M/2 + 33/2	-3M/4 + 7/4	-M	0	-M	0	5M + 49

*El Problema no tiene Solución.*