

Pg# 9

 \Rightarrow Select the Pivot Column.

	x_1	x_2	S_1	S_2	a_1	a_2	Z	
S_1	$\frac{1}{2}$	$\frac{1}{4}$	1	0	0	0	0	4
a_1	1	1	0	0	1	0	0	10
a_2	1	3	0	-1	0	1	0	20
Z	$-2m+2$	$-4m+3$	0	M	0	0	1	$-30m$

 \Rightarrow Select the Pivot Row.

	x_1	x_2	S_1	S_2	a_1	a_2	Z	
S_1	$\frac{1}{2}$	$\frac{1}{4}$	1	0	0	0	0	$4 = 16$
a_1	1	1	0	0	1	0	0	$10 = 10$
a_2	1	3	0	-1	0	1	0	$20 = 6.67$
Z	$-2m+2$	$-4m+3$	0	M	0	0	1	$-30m$

 \Rightarrow Select Pivot number.

	x_1	x_2	S_1	S_2	a_1	a_2	Z	
S_1	$\frac{1}{2}$	$\frac{1}{4}$	1	0	0	0	0	4
a_1	1	1	0	0	1	0	0	10
a_2	1	3	0	-1	0	1	0	20
Z	$-2m+2$	$-4m+3$	0	M	0	0	1	$-30m$