A simpless Optimization

Starting from Tableau V, and entering 1/2, exiting Xs get

	ſ Xı	χ_2	X	7/4	75	2	ſ
~	(Z)	0		0	<u></u>	0	14
χ _γ	Z	o O	0	1	1/2	0	8
7s	-글	1	0	อ	<u>-</u>	0	1
	1-13		Ð	O	3	1	7
		_			2'		

X, enters (has the most negative objective now coefficient.

The pivotal column is the xi-column.

We form the votios: values of basic variable

colled foratio: these are the values to will take if the Corresponding basic variable exits.)

Discord any ratio having a negative denominator

(No exceptions in the basic simplex method. There are exceptions in \$62.3\$, only when the value of the exiting variable is 0.)

The remaining θ -ratios are ≥ 0 . The exiting variable is any variable having the smallest θ -ratio.

A routine pivot leads to Tableau 3