Objective function.
mer X1+ X2+. X1+ X4+ X5
S.t. χ , t t $2\chi_4 + \chi_5 = 1$.
$\chi_2 - 3\chi_4 + \chi_3 = 2$
$\chi_3 + \chi_4 - 3\chi_6 = 3$
$\frac{\chi_{1} - \chi_{5} \geq 0}{2}$
B=(1,2,5)
X, 100211
X2 0 1 0 -3 1 2 X3 0 0 1 1 -3 3
-Z000D2 -6 Z=6.
Objective row.
Pivoting Add (X4) remove X. => Z = 13
Pivoring and objective:
We changed objective value when we zero
Pivoring and objective: We changed objective value when we zero out X4's coefficient in objective row.

· It coefficient is positive: Subtract mult.
• If coefficient is positive: Subtract mult. of pivot row from objective row.
Cromember rightmost value in Divot row is
(romember rightmost value in Divot row is always Non-negative)
=> subtracting non-negative value from
objective value (Actually decreasing - Z
=> increasing Z).
• If coefficient is negative:
=> decreasing Z
Coefficient of a variable Xi in objective
row is called Tis reduced cost.
Rule #3: Change in Z from Pivoiting
has same sign as reduced cost.
max -> pivot on vars with positive reduced con.

min	<u> </u>	ne	gati	ive	redu	ced.	Cost.		
			•		rate			ge of	Z
Larg		~	Min	nge	quic	aly.			