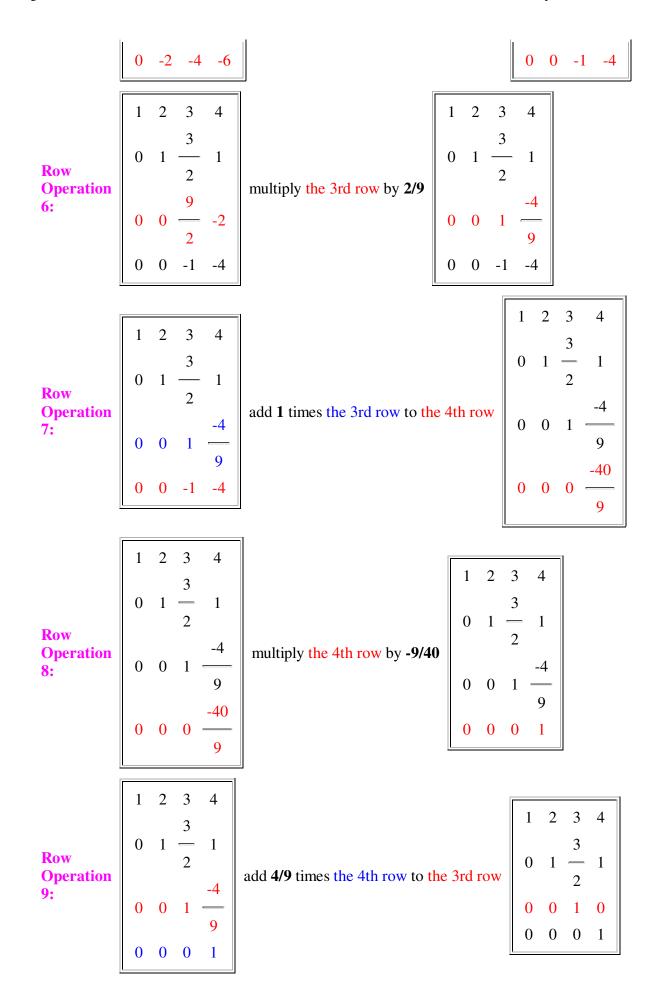
v. 1.23b

Transforming a matrix to INCAR ALGEBAR TOOLKI reduced row echelon form © 2000-2005 P. Bogacki TRANSFORMING MATRIX TO THE REDUCED ROW ECHELON FORM Row -2 -3 -2 add -1 times the 1st row to the 2nd row **Operation** -1 -1 1: Row -2 -2 -2 -3 -3 -2 add -2 times the 1st row to the 4th row **Operation** -1 -1 2: -2 -4 -6 Row -2 -3 -2 multiply the 2nd row by -1/2 **Operation** -1 3: -1 -2 -4 -6 -2 -6 -4 Row **Operation** add -1 times the 2nd row to the 3rd row **4:** -2 -1 -2 -4 -6 -2 -4 -6 Row add 2 times the 2nd row to the 4th row **Operation** 5: -2 -2

1 of 3



Row Operation 10:	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	add -1 times the 4th row to the 2nd row	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Row Operation 11:	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	add -4 times the 4th row to the 1st row	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Row Operation 12:	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	add -3/2 times the 3rd row to the 2nd row	$\mathbf{w} \begin{bmatrix} 1 & 2 & 3 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$
Row Operation 13:	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	add -3 times the 3rd row to the 1st row	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Row Operation 14:	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	add -2 times the 2nd row to the 1st row	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$