Aug. 76.28 Today \$3.2

Remark: If $w \in \mathbb{R}^m$ and A is a mostrix having m rows, then with is a linear combination of the rows of A.

Eq. of a row-pivot of an mxn matrix A. expressed as a product EA mxn mxn alternating matrix

$$\begin{bmatrix} \frac{1}{2} & \frac{3}{6} & \frac{4}{8} & \frac{3}{3} \\ \frac{7}{7} & \frac{9}{1} & \frac{1}{2} & \frac{1}{2} & \frac{3}{6} & \frac{4}{8} & \frac{3}{3} \\ \frac{1}{2} & \frac{3}{6} & \frac{1}{8} & \frac{3}{1} & \frac{1}{2} & \frac{1}{2} & \frac{3}{4} & \frac{4}{3} & \frac{3}{4} \\ \frac{1}{2} & \frac{3}{6} & \frac{1}{8} & \frac{3}{1} & \frac{1}{2} & \frac{$$

Another way:

Remark: If Tableau (P) is a tableau in a simplex solution of a problem beginn -ing from Tableau (D), the constraint part of tableau (P) is an mxm matrix the constraint part of tableau (T)

There are 2 ingredients for the strong duality theorem (7hm 3.7):

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2 Reconstruction of an objective row, as in beginning phase 1 or phase 2.