

•  $\forall j \neq e, \bar{c}_j' = \bar{c}_j + \lambda \bar{A}_{ij} \geq 0$

$\Rightarrow \lambda \geq \frac{\bar{c}_j}{-\bar{A}_{ij}} \rightarrow \geq 0$



MISTAKE  
in  
CLASS

• always true if  $\bar{A}_{ij} \geq 0$

• we need  $\lambda = \min \left\{ \frac{\bar{c}_j}{-\bar{A}_{ij}} \mid \bar{A}_{ij} < 0 \right\}$

ratio test dual simplex method.