

## Step-1

Changing  $a_{33}$  from 7 to 11 will change the third pivot from 5 to 9.

Since the increase in one entry will effect the same increase in all entries and that increase is  $11 - 7 = 4$ .

## Step-2

Changing  $a_{33}$  from 7 to 2 will change the third pivot from 5 to no pivot.

Since the decrease in one entry will effect the same decrease in all entries and that decrease is  $7 - 2 = 5$ .