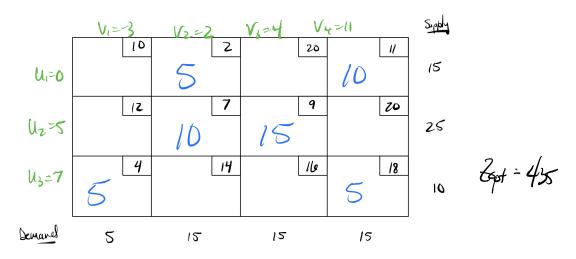
§7.4: Sensitivity Analysis in Transportation Problems

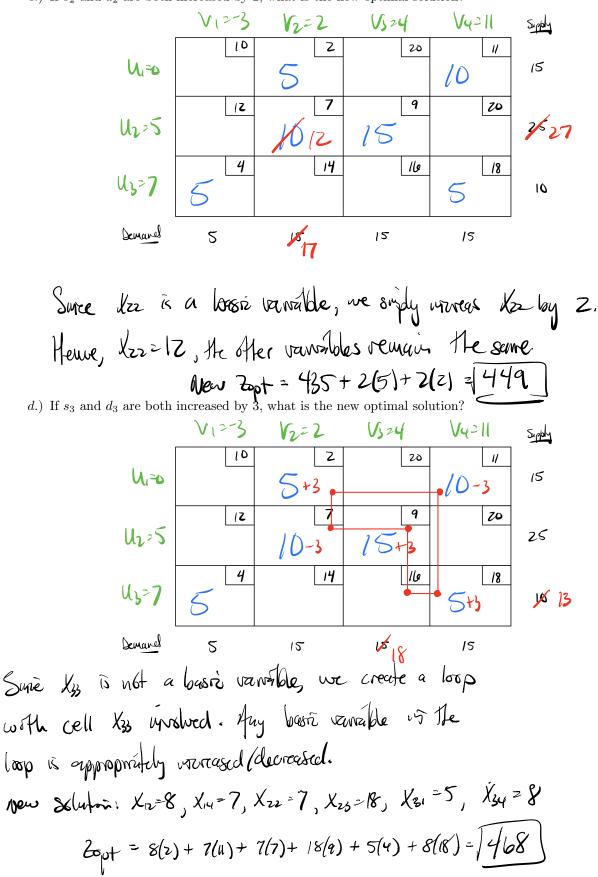
1.] Consider the optimal solution for the Transportation LP below:



a.) Determine the range of values of c_{33} for which the current basis remains optimal.

New
$$C_{33} = 14 + \Delta C_{33} = 3$$
 $\overline{C}_{33} = 14_3 + \sqrt{3} - C_{33} = 0$
=) $7 + 4 - (14 + \Delta C_{33}) = 0$
=) $-5 - \Delta C_{33} = 0$

b.) Determine the range of values of c_{12} for which the current basis remains optimal.



c.) If s_2 and d_2 are both increased by 2, what is the new optimal solution?