$$\text{Minimize } P_1 d_1^- + P_1 d_1^+ + P_2 d_{21}^+ + 2P_3 d_2^- + P_3 d_3^- + P_4 d_2^+ + 3P_4 d_3^+$$

Subject to:
$$5X_1 + 2X_2 + d_1^- - d_1^+ = 5500$$
$$X_1 + d_2^- - d_2^+ = 800$$
$$X_2 + d_3^- - d_3^+ = 320$$
$$d_{21}^- + d_2^+ - d_{21}^+ = 100$$
$$d_1^- \leq 5500 Y_{11}$$
$$d_1^+ \leq 5500 Y_{12}$$
$$Y_{11} + Y_{12} = 1$$
$$d_2^- \leq 800 Y_{21}$$
$$d_2^+ \leq 100 Y_{22}$$
$$Y_{21} + Y_{22} = 1$$
$$d_3^- \leq 320 Y_{31}$$
$$d_3^+ \leq 320 Y_{32}$$
$$Y_{31} + Y_{32} = 1$$
$$d_{21}^- \leq 100 Y_{41}$$
$$d_{21}^+ \leq 100 Y_{42}$$
$$Y_{41} + Y_{42} = 1$$
$$X_1, X_2, d_1^-, d_2^-, d_3^-, d_{21}^-, d_1^+, d_2^+, d_3^+, d_{21}^+ \in \mathbb{N}_0$$
$$Y_{11}, Y_{12}, Y_{21}, Y_{22}, Y_{31}, Y_{32}, Y_{41}, Y_{42} \in 0, 1$$