Stochastic programming - problem 3

Assume the first stage decision $x \in \mathbb{R}^1$, the second stage decision $\mathbf{y} \in \mathbb{R}^6$, and let

$$W = \left(\begin{array}{ccccc} 1 & -1 & -1 & -1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 \end{array}\right).$$

Suppose there are two scenarios, with probability 1/2 each. In the first scenario, $q^1 = (1,0,0,0,0,0)^{\top}$, $h^1 = (-1,2,7)^{\top}$ and $T^1 = (1,0,0)^{\top}$. In the second scenario, $q^2 = (3/2,0,2/7,1,0,0)^{\top}$, $h^2 = (0,2,7)^{\top}$ and $T^2 = (1,0,0)^{\top}$. Assume that x is bounded by $-20 \le x \le 20$ and c=0. Starting from initial point $x^1 = -1$, iteratively add cuts for the L-shaped method for the first three iterations.