

$$\text{Solution} = \begin{cases} L1 = \begin{array}{|c|c|c|c|c|c|} \hline I_3 & I_4 & I_5 & I_1 & I_6 & I_2 \\ \hline \end{array} \\ L2 = \begin{array}{|c|c|c|c|c|c|} \hline I_5 & I_4 & I_1 & I_6 & I_3 & I_2 \\ \hline \end{array} \end{cases}$$

First

NEH Decoding Algorithm uses the $L1$ job list to create job schedule

$$\begin{aligned} M_1 &= \begin{array}{|c|c|c|} \hline I_3 & & \\ \hline \end{array} \\ s = M_2 &= \begin{array}{|c|c|c|} \hline I_4 & I_1 & I_2 \\ \hline \end{array} \\ M_3 &= \begin{array}{|c|c|c|} \hline I_5 & I_6 & \\ \hline \end{array} \end{aligned}$$

Second

PIFH Decoding Algorithm uses the s and $L2$ job list to create vehicle routing

$$\begin{aligned} V_1 &= \begin{array}{|c|c|} \hline I_4 & I_5 \\ \hline \end{array} \\ V_2 &= \begin{array}{|c|c|} \hline I_1 & I_6 \\ \hline \end{array} \\ r = V_3 &= \begin{array}{|c|c|} \hline I_2 & \\ \hline \end{array} \\ V_4 &= \begin{array}{|c|c|} \hline I_3 & \\ \hline \end{array} \end{aligned}$$

Create solution using s and r
 $\text{Solution} = \{s, r\}$