1. 位选代法:

首知
$$f_{i}(1) = \infty$$
 $f_{i}(2) = 6$ $f_{i}(3) = \infty$ $f_{i}(4) = 2$ $f_{i}(5) = 0$

提价
$$f_{k+1}(V_i) = \min_{1 \leq j \leq r} \{C_{ij} + f_k(V_j)\}$$
, $\forall k \geq j$ 迭代

得
$$f_2(1)=8$$
. $f_2(2)=6$, $f_2(3)=3$ $f_2(4)=2$ $f_2(5)=0$

$$f_{3(1)=6}$$
 $f_{3(2)=5}$ $f_{3(3)=3}$ $f_{3(4)=2}$ $f_{3(5)=0}$

$$f_{4(1)}=6$$
 $f_{4(2)}=5$ $f_{4(3)}=3$ $f_{4(4)}=2$ $f_{4(5)}=0$

此次选代未发生变化、市得最超路线

策略选代法:

「该这取一个知始家略:

$$P_{1}(1)=2$$
. $P_{1}(2)=3$ $P_{1}(3)=4$ $P_{1}(4)=5$ $P_{1}(5)=5$

术解线性活程组.得

$$\begin{cases} f_{i}(1) = 2 + f_{i}(2) \\ f_{i}(2) = 2 + f_{i}(3) \end{cases} = 0 \qquad \hat{f}_{i}(1) = 0 \qquad \hat{f}_{i}(2) = 0 \qquad \hat{f}_{i}(3) = 0 \qquad \hat{f}_{i}(3) = 0 \qquad \hat{f}_{i}(4) = 0 \qquad \hat{f}_{i}(4) = 0 \qquad \hat{f}_{i}(5) = 0 \qquad \hat{f}$$

改进策略.同理可得

$$\hat{f}_{2}(1) = 6$$
 $\hat{f}_{2}(2) = 5$ $\hat{f}_{2}(3) = 3$ $\hat{f}_{3}(4) = 2$ $\hat{f}_{2}(4) = 0$

$$f_{\nu}(3) = 3$$

$$\hat{f}_{3}(1) = 6$$
 $\hat{f}_{3}(2) = 5$ $\hat{f}_{3}(3) = 3$ $\hat{f}_{3}(4) = 2$ $\hat{f}_{3}(4) = 0$

$$f_3(3) = 3$$

$$f_{3}(4)=2$$

$$f_3U_1=0$$

得内=P2,不再发生变化、凹面