

HW10 $n=6$

file:
 step 2.

	0	1	2	3	4	5
$C =$	$[0$	∞	∞	∞	∞	$\infty]$

user input

	1	2	3	4	5
	↓	↓	↓	↓	↓
	2	1	5		
	↓	↓	↓	↓	↓
	2	2	1	3	5
	↓	↓	↓	↓	↓
	2	2	1	3	5
	↓	↓	↓	↓	↓
	2	2	1	3	5

Step 3. display

step 4.

user inputs:

 $D_0 = [0, 2, 1, 3, 2, 4]$ $L_0 = [V_0, V_1, V_2, V_2, V_2, V_2]$

step 5.

 $D_1 = [\underline{2}, \underline{0}, \underline{2}, \underline{3}, \underline{3}, \underline{5}]$ $D_2 = [\underline{1}, \underline{2}, \underline{0}, \underline{2}, \underline{1}, \underline{3}]$ $D_3 = [\underline{3}, \underline{3}, \underline{2}, \underline{0}, \underline{1}, \underline{3}]$

$$D_i = \begin{bmatrix} & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \end{bmatrix}_{n \times n}$$

.txt file

<neighbor ID> _ <link cost> _ <neighbor ID> _ <link

1 _ 2 _ 2 _ 1 _ 3 _ 5 ↓

<elements in L₀>

0 _ 1 _ 2 _ 2 _ 2 _ 2 ↓

<subscript of D?₁>

<elements in D?₁>

0

0 _ 2 _ 1 _ 3 _ 2 _ 4 ↓

1

2 _ 0 _ 2 _ 3 _ 3 _ 5 ↓

2
1 _ 2 _ 0 _ 2 _ 1 _ 3 ↓

3

3 _ 3 _ 2 _ 0 _ 1 _ 3 ↓