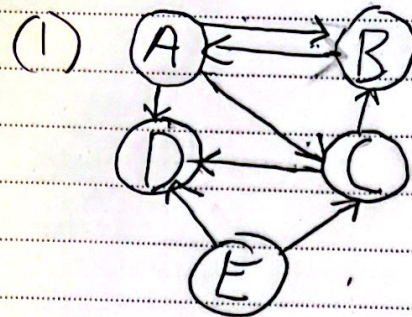
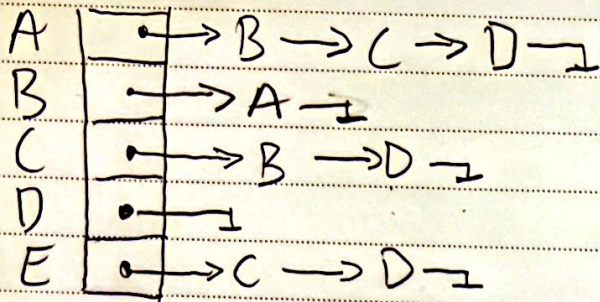


# HW 3:

1.



(2)

	A	B	C	D	E
A	$\infty$	1	1	1	$\infty$
B	1	$\infty$	1	$\infty$	$\infty$
C	$\infty$	1	$\infty$	1	$\infty$
D	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$
E	$\infty$	$\infty$	1	1	$\infty$

(3) DFS: A, B, C, D, E

(4) BFS: A, B, C, D, E

2.

	V	A	I	S	M	B	O	N	L
C	130, C	75, C	300, C	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$
CA	130, C	<del>75, C</del>	295, A	135, A	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$
CAY	<del>130, C</del>		240, V	135, A	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$
CAYS			215, S	<del>135, A</del>	$\infty$	235, S	$\infty$	$\infty$	$\infty$
CAYSI			<del>215, S</del>		335, I	235, S	$\infty$	315, I	$\infty$
CAYSIB					330, B	<del>235, S</del>	485, B	315, I	$\infty$
CAYSIBN					330, B		465, N	<del>315, I</del>	395, N
CAYSIBNM					<del>330, B</del>		465, N		395, N
CAYSIBNML							465, N		<del>395, N</del>
CAYSIBNMLD							<del>465, N</del>		
Shortest Path	130, C	75, C	215, I	135, A	330, B	235, S	465, N	315, I	395, N