

Date

No

Bài 1 đí 1:

<u>deg⁻(v)</u>	<u>deg⁺(v)</u>
$\deg^-(1) = 2$	$\deg^+(1) = 4$
$\deg^-(2) = 3$	$\deg^+(2) = 3$
$\deg^-(3) = 1$	$\deg^+(3) = 3$
$\deg^-(4) = 2$	$\deg^+(4) = 3$
$\deg^-(5) = 2$	$\deg^+(5) = 3$
$\deg^-(6) = 5$	$\deg^+(6) = 3$
$\deg^-(7) = 2$	$\deg^+(7) = 2$
$\deg^-(8) = 2$	$\deg^+(8) = 2$
$\deg^-(9) = 4$	$\deg^+(9) = 2$
$\deg^-(10) = 3$	$\deg^+(10) = 2$

b) Ma trận kế:

	1	2	3	4	5	6	7	8	9	10
1	0	1	0	0	1	0	0	1	0	1
2	0	0	1	0	1	1	6	0	0	0
3	0	0	0	1	0	1	0	1	0	0
4	0	1	0	0	0	1	0	0	1	0
5	0	0	0	1	0	1	1	0	0	0
6	1	0	0	0	0	0	1	6	1	0
7	0	0	0	0	0	0	0	1	1	0
8	0	0	0	0	0	0	0	0	1	1
9	1	6	0	0	0	0	0	0	0	1
10	0	1	0	0	0	1	0	0	0	0

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No

Bài 1 đề 2:

d) $\deg(1) = 3$

$\deg(2) = 3$

$\deg(3) = 5$

$\deg(4) = 3$

$\deg(5) = 9$

$\deg(6) = 9$

$\deg(7) = 9$

$\deg(8) = 5$

$\deg(9) = 3$

$\deg(10) = 2$

b) Ma trận liên thông:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
2	1	0	0	1	1	0	0	0	0	0	0	0	0	0
3	0	0	0	1	0	1	1	1	0	0	0	0	0	0
4	0	0	0	0	1	0	0	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	0	1	1	1	0	0
6	0	1	0	0	0	0	0	0	1	1	0	0	1	0
7	0	0	0	0	0	1	0	0	0	1	0	1	1	0
8	0	0	0	0	1	0	0	0	0	0	1	0	1	0
9	0	0	0	0	0	0	1	0	0	0	0	0	1	1
10	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	1	2	3	4	5	6	7	8	9	10	11	12	13	14

Date

No

Bài 1 đề 3.

a) $\deg^-(v)$

$$\deg^-(1) = 3$$

$$\deg^-(2) = 2$$

$$\deg^-(3) = 3$$

$$\deg^-(4) = 3$$

$$\deg^-(5) = 3$$

$$\deg^-(6) = 2$$

$$\deg^-(7) = 2$$

$$\deg^-(8) = 2$$

$$\deg^-(9) = 3$$

$$\deg^-(10) = 2$$

 $\deg^+(v)$

$$\deg^+(1) = 2$$

$$\deg^+(2) = 4$$

$$\deg^+(3) = 2$$

$$\deg^+(4) = 1$$

$$\deg^+(5) = 3$$

$$\deg^+(6) = 5$$

$$\deg^+(7) = 2$$

$$\deg^+(8) = 2$$

$$\deg^+(9) = 1$$

$$\deg^+(10) = 3$$

b) Ma trận kế:

	1	2	3	4	5	6	7	8	9	10
1	0	1	0	0	0	0	0	0	1	0
2	0	0	1	1	1	1	0	0	0	0
3	0	0	0	1	1	0	0	0	0	0
4	0	0	0	0	0	1	0	0	0	0
5	1	0	0	1	0	0	1	0	0	0
6	0	0	1	0	1	0	1	1	0	1
7	0	0	0	0	0	0	0	1	1	0
8	1	0	0	0	0	0	0	0	1	0
9	0	0	0	0	0	0	0	0	0	1
10	1	1	1	0	0	0	0	0	0	0

Bài 1: đề 4

- a) $\deg(1) = 3$ $\deg(6) = 3$
 $\deg(2) = 2$ $\deg(7) = 2$
 $\deg(3) = 3$ $\deg(8) = 3$
 $\deg(4) = 3$ $\deg(9) = 4$
 $\deg(5) = 3$ $\deg(10) = 6$

b) Ma trậnigen thừa

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
8	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
9	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1
10	0	0	1	0	1	0	0	0	0	1	1	1	1	0	0	1