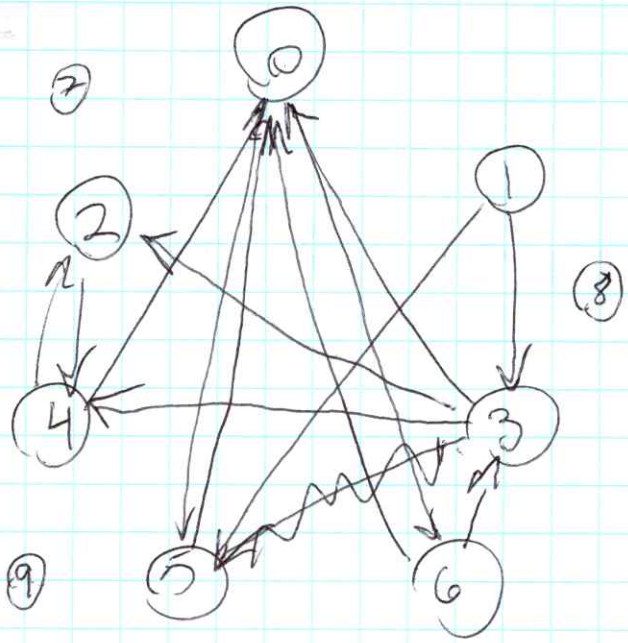
$$\frac{e^{(\ln(x+\sqrt{x^2+1})} - e^{(-\ln(x+\sqrt{x^2+1})}}{2} = \ln\left(\frac{e^x - e^{-x}}{2} + \sqrt{\frac{e^x + e^{-x}}{2} + 1}\right)$$

2.

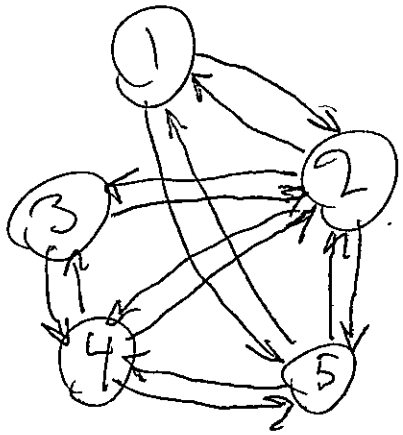
	1	2	3	4	5	6
1	0	1	0	1	0	0
2	0	0	0	0	1	0
3	0	0	0	0	1	1
4	0	1	0	0	0	0
5	0	0	0	1	0	0
6	0	0	0	0	0	1

3.

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



1. Graphs:



1	→ 2 → 5
2	→ 1 → 3 → 4 → 5
3	→ 2 → 4
4	→ 2 → 3 → 5
5	→ 1 → 2 → 4

2.

1	→ 2 → 4
2	→ 5
3	→ 5 → 6
4	→ 2
5	→ 4
6	→ 6

1

3.