- 1. Solve the four given 8-puzzle problems with Depth First search (DFS), and Breadth First search (BFS).
 - * Problems:

4	1		4	3	1	3	1			1	2
6	3	2	6	5	2	4	5	2	3	4	5
7	5	8		7	8	6	7	8	6	7	8
				P2			Р3			P4	

- Fill in the blanks of the following table

	P1			P2				Р3		P4		
	VISIT	OPEN	LEN									
DFS			·			·						
BFS												

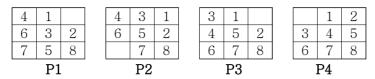
VISIT: the total number of visited nodes

OPEN: the maximum size of the OPEN list

LEN: the length of the found solution

2. Solve the four given 8-puzzle problems with A*

* Problems:



* Heuristic

H1: # of tiles out of place

H2: summation of the manhattan distance to the place

- Fill in the blanks of the following table

					P2			Р3			P4		
		VISIT	OPEN	LEN									
A*	H1												
	H2												

VISIT: the total number of visited nodes **OPEN:** the maximum size of the OPEN list

LEN: the length of the found solution