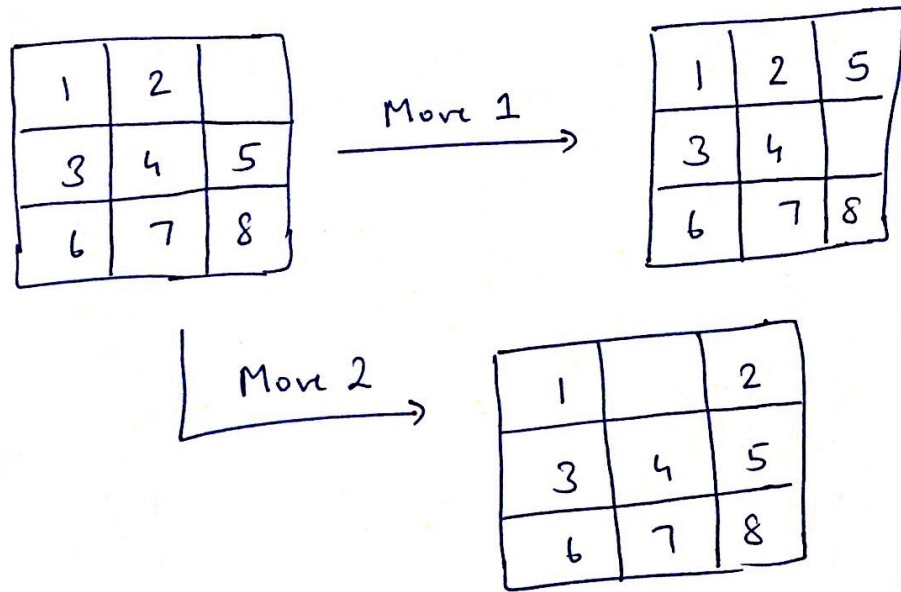


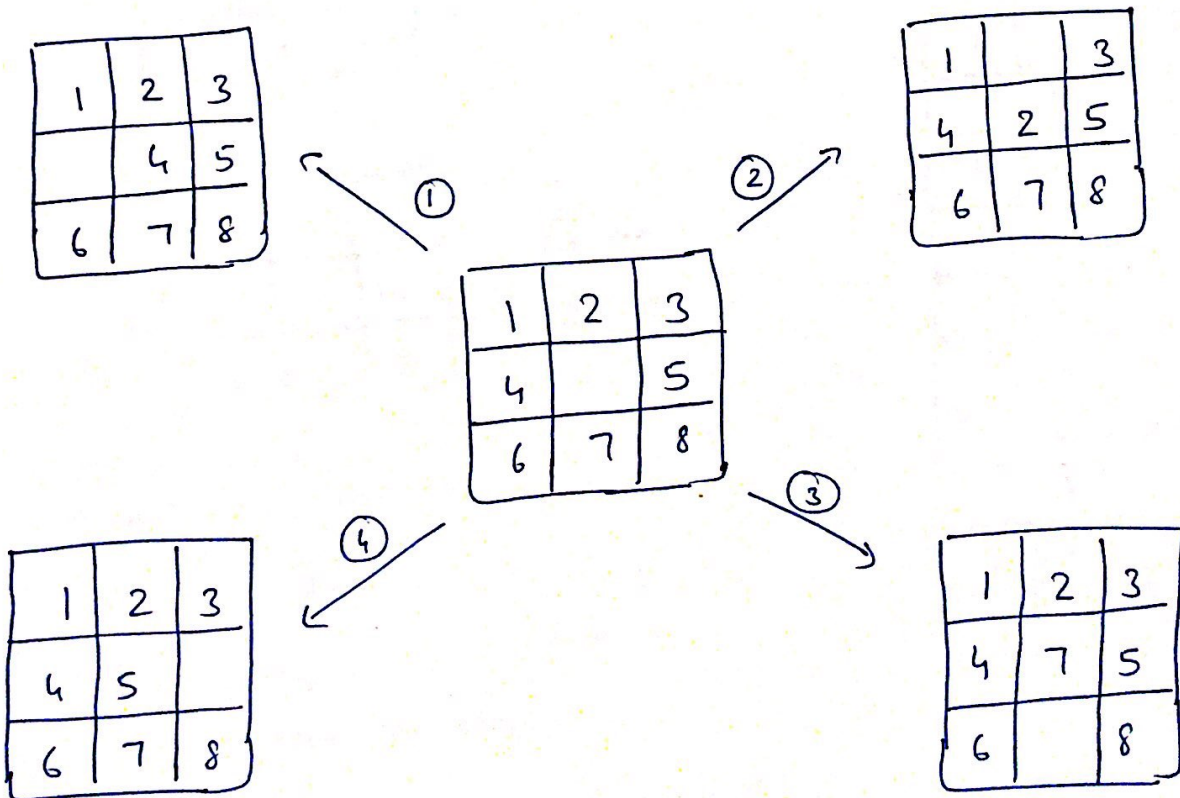
Problem :- 2

(a)



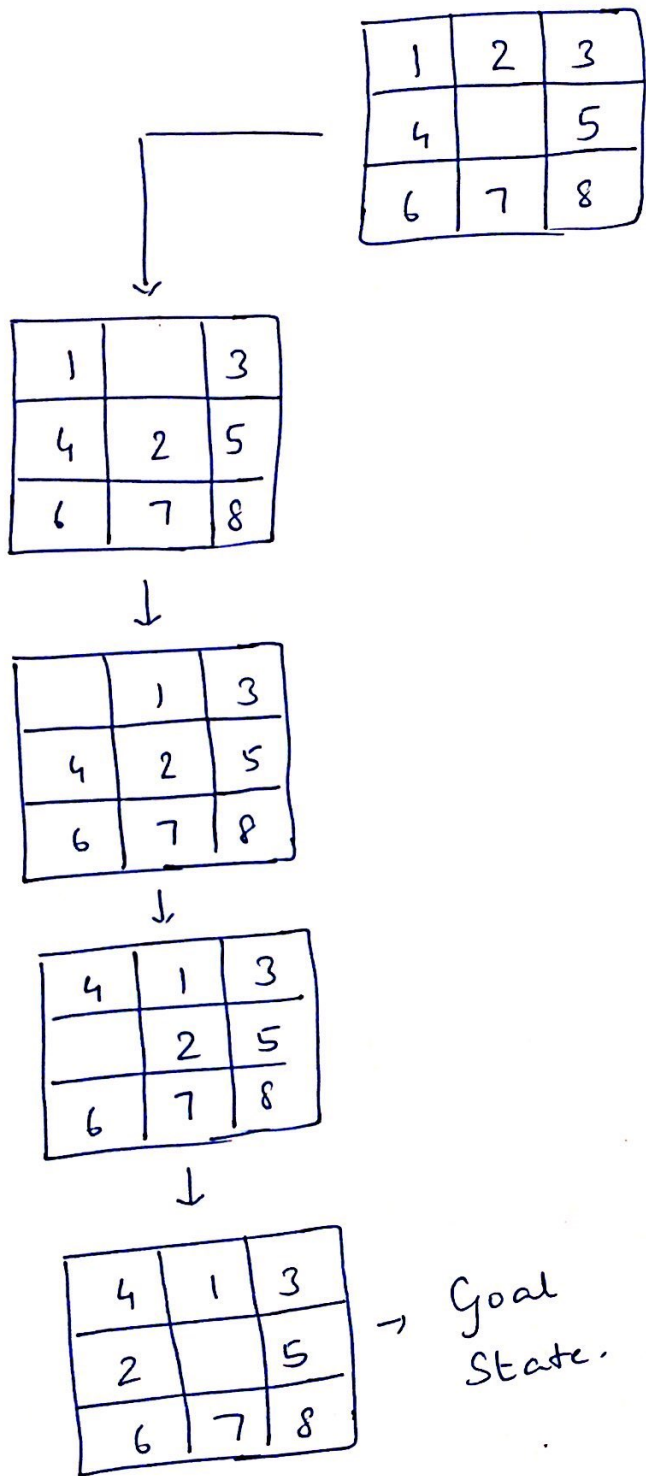
\therefore , minimum moves :- 2 Ans

(b).



\therefore , maximum moves :- 4 = Ans

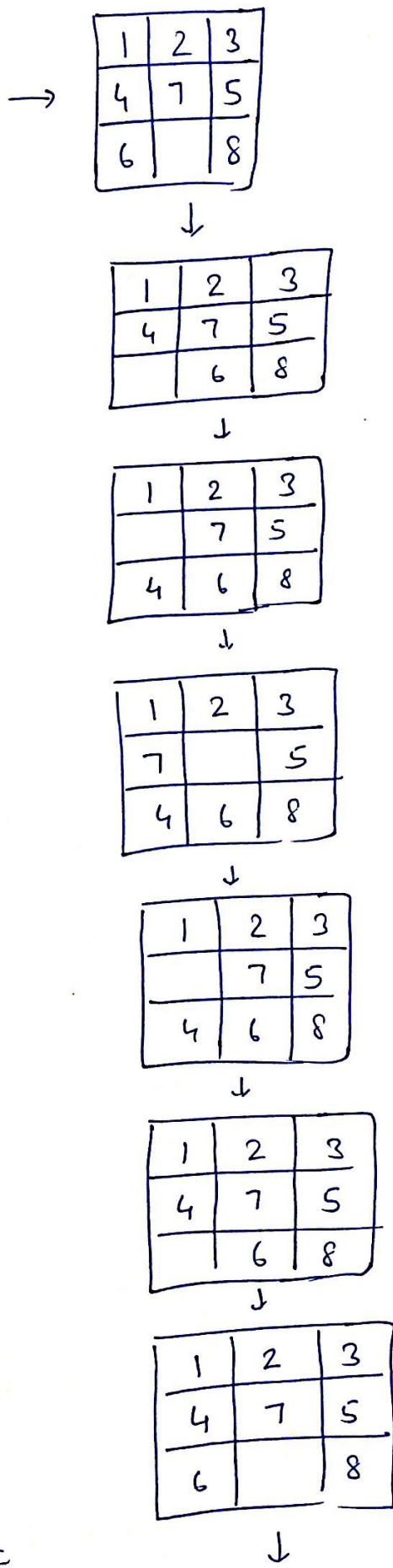
(c).



∴ min answer is 4 moves.

The longer route shown takes 14 steps.

Hence, 4 is the shortest



Next Page.

P 2
(c)
contd.
from prev. page.

1	2	3
4		5
6	7	8

↓

1	2	3
	4	5
6	7	8

↓

	2	3
1	4	5
6	7	8

↓

2		3
1	4	5
6	7	8

↓

2	4	3
1		5
6	7	8

↓

2	4	3
	1	5
6	7	8

↓

	4	3
2	1	5
6	7	8

→

4		3
2	1	5
6	7	8

→ Goal State
(14 Steps).

4	1	3
2		5
6	7	8

↑