15 puzzle problem

		2	3	4	
	5	6		8	
	9	10	7	11	
	3	14	15	12	
+					

	2	3	4
5	6	7	8
9	10	11	12
13	4	15	
	,		

16 blocks with 15 numbers arranged randomly I we need to achieve the goal arrangement with minm no of shifts.

check with less cost is branced &

other nodes will be bounded.

$$\frac{cost \text{ of node}}{\hat{c}(x) = f(x) + \hat{g}(x)}$$

$$f(x) = No \text{ of move from minus}$$

 $g(x) = No \text{ of non-blank that are not}$
in their goal position.

