MAGIC SQUARE

KIST College

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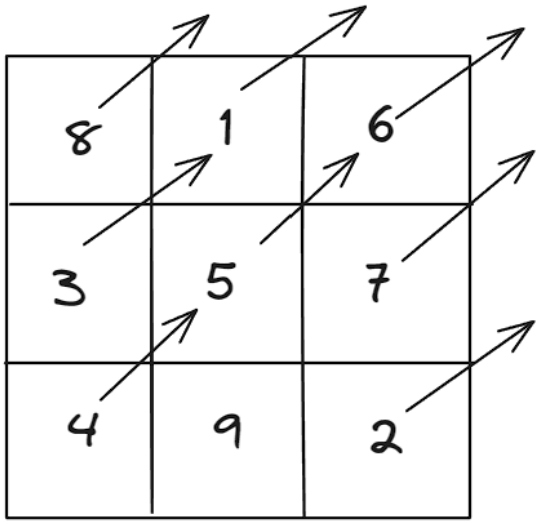
BIT 6th Semester

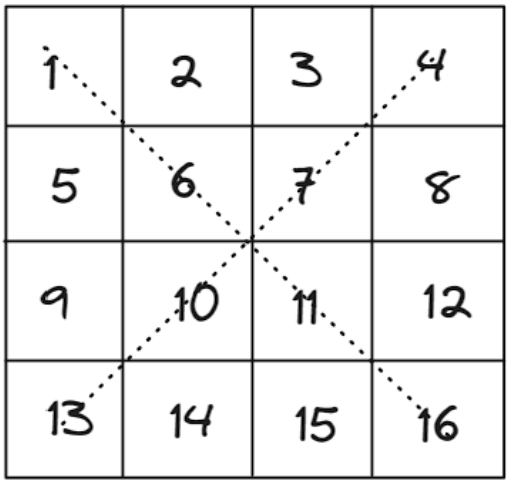
Magic Squares

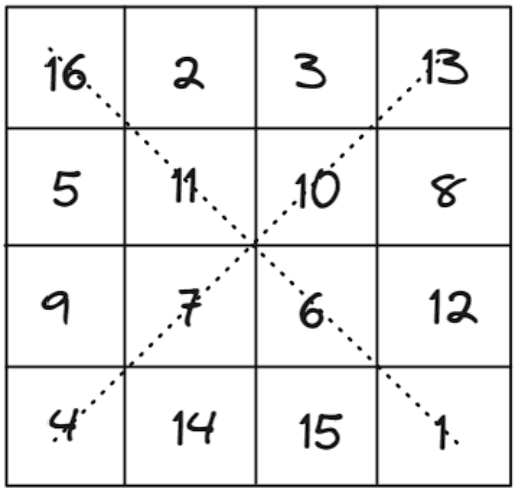
I. 3 x 3



Step 1: Place the first number i.e., 1 in the middle of the box (if the box is made up of odd number).
Step2: Then point the arrow of the number (i.e., 1) to the right side.
Step3: Place the second number at the bottom of the column where the arrow is pointed.
Step4: Place all the numbers till all the boxes are filled.
Step5: Stop

II. 4 x 4





Step1: Place all the values from number 1 to 16 serially from the top left corner of the box.

Step2: Now make an imaginary or dotted line in the diagonal section from top left to bottom right and top right to bottom left.

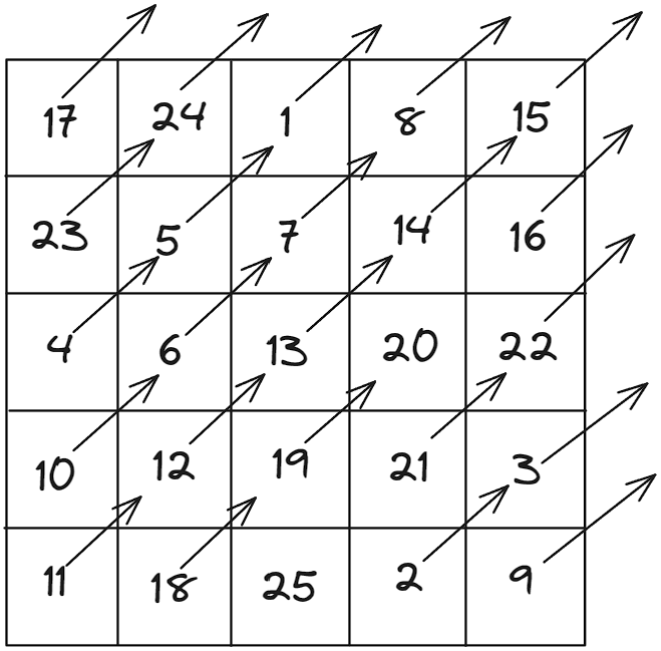
Step3: Now flip the numbers placed in within the diagonal line in opposite direction as shown in figure.

PS: if number 1 was in top left then it goes to bottom right and vice versa.

Step4: After the new numbers in diagonal section is placed then place the other numbers serially.

Step5: Stop

III. 5 x 5



Step 1: Place the first number i.e., 1 in the middle of the box (if the box is made up of odd number).
Step2: Then point the arrow of the number (i.e., 1) to the right side.
Step3: Place the second number at the bottom of the column where the arrow is pointed.
Step4: Place all the numbers till all the boxes are filled.
Step5: Stop

IV. 6 x 6

1	35	3	4	32	6
30	8	28	27	11	25
13	23	15	16	20	18
19	17	21	22	14	24
12	26	10	9	29	7
31	5	33	34	2	36

Step1: Make the box according to the given criteria.

Step2: Divide the box from the middle with having 3x3 boxes inside the 6x6 box.

Step3: Then create the imaginary or dotted line for the whole box in diagonal section.

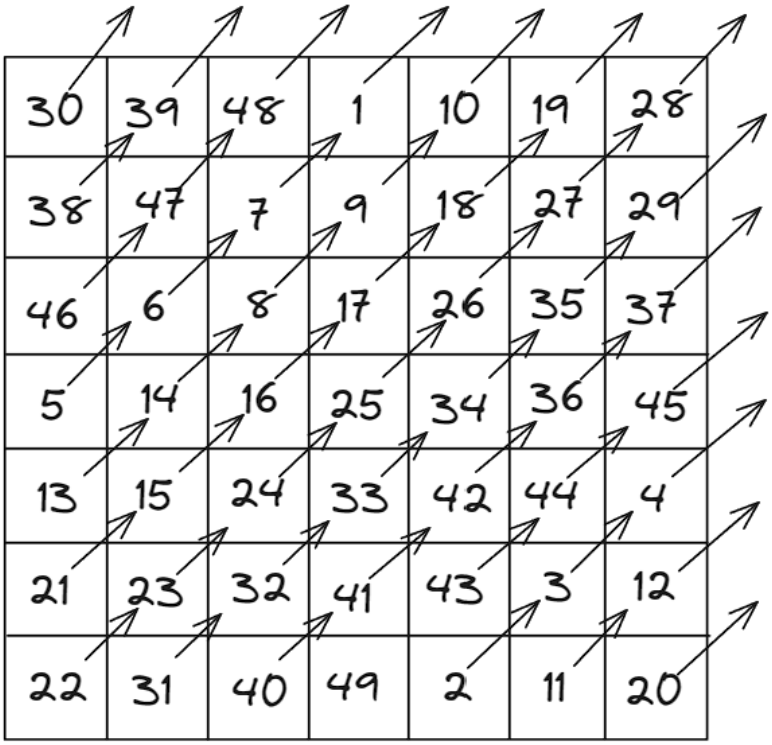
Step4: Place the numbers serially from top left corner to the bottom right corner, but the number should be placed on those blocks where dotted lines are diagonally placed. (Eg: 1 and 3 are placed on those blocks where the diagonal dotted line passes)

Step5: Assume that the bottom right corner (where number 36 is placed) is 1 (imagine it), then serially fill the other numbers which are left to be filled out, from left to right side.

PS: The numbers already present in the diagonal section should not be repeated.

Step6: Stop

V. 7 x 7



Step 1: Place the first number i.e., 1 in the middle of the box (if the box is made up of odd number).
Step2: Then point the arrow of the number (i.e., 1) to the right side.
Step3: Place the second number at the bottom of the column where the arrow is pointed.
Step4: Place all the numbers till all the boxes are filled.
Step5: Stop

VI. 8 x 8

1	63	62	4	5	59	58	8
56	10	11	53	52	14	15	49
48	18	19	45	44	22	23	41
25	39	38	28	29	35	34	32
33	31	30	36	37	27	26	40
24	42	43	21	20	46	47	17
16	50	51	13	12	54	55	9
57	7	6	60	61	3	2	64

Step1: Make the box according to the given criteria.

Step2: Divide the box from the middle with having 4x4 boxes inside the 8x8 box.

Step3: Then create the imaginary or dotted line for the whole box in diagonal section.

Step4: Place the numbers serially from top left corner to the bottom right corner, but the number should be placed on those blocks where dotted lines are diagonally placed. (Eg: 1 and 3 are placed on those blocks where the diagonal dotted line passes)

Step5: Assume that the bottom right corner (where number 36 is placed) is 1 (imagine it), then serially fill the other numbers which are left to be filled out , from left to right side.

PS: The numbers already present in the diagonal section should not be repeated.

Step6: Stop