

Print Lower triangular matrix (15 july)

M ①

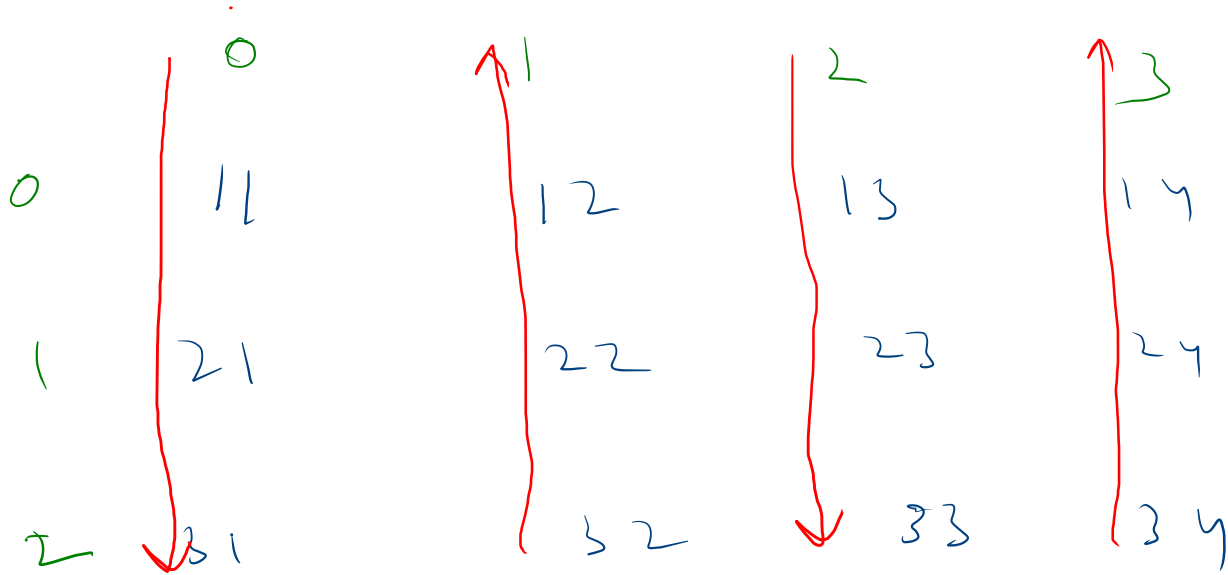
$i=0; i < n; i++$
 $j=0; j \leq i; j++$

	0	1	2	3	4
0	1 ₀₀	2 ₀₁	3 ₀₂	4 ₀₃	5 ₀₄
1	7 ₁₀	8 ₁₁	9 ₁₂	10 ₁₃	11 ₁₄
2	13 ₂₀	14 ₂₁	15 ₂₂	16 ₂₃	17 ₂₄
3	18 ₃₀	19 ₃₁ [↖]	20 ₃₂	21 ₃₃ [↖]	22 ₃₄ [↖]
4	23 ₄₀	24 ₄₁	25 ₄₂	26 ₄₃	27 ₄₄

① M.4

row \geq col

Print Pattern (15 july)



even col \rightarrow top to bottom

odd col \rightarrow bottom to Top

Rotate By 90 Degree

0	1	2	3
0	1	12	13
1	21	22	23
2	31	32	33
3	41	42	43



0	1	2	3
0	1	2	3
1	4	21	11
2	4	22	12
3	4	23	13
4	4	24	14



Transpose →

11	21	31	41
12	22	32	42
13	23	33	43
14	24	34	44

Reverse →

41	31	21	11
42	32	22	12
43	33	23	13
44	34	24	14

Col's →

now by row →

Ans

	0	1	2	3
0	11	12 01	13 02	14 03
1	21 10	22	23	24
2	31 20	32	33	34
3	41 30	42	43	44

→

11	12	31	41
21	22		
13		33	
14			44

Transpose ⇒

Swap (i, j) & Swap (j, i)