

(i+j) = 6

mat brows (col) = 1',

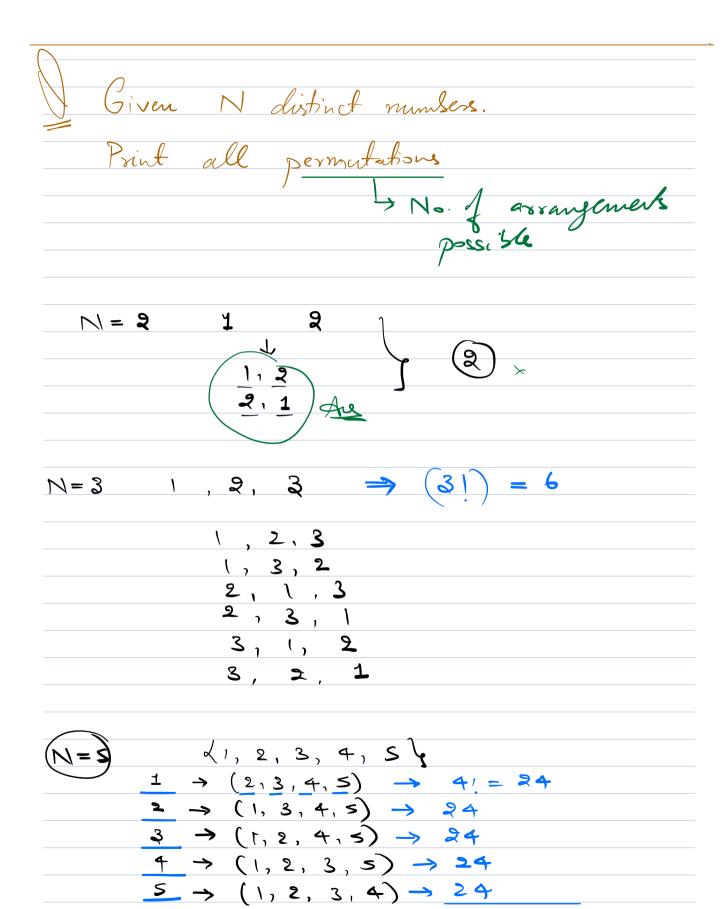
do colums. add ((ol);

Id. add (vow-col);

rd. add ((vow+col)); Reconsive - Queens (mat, row+1); Undo of columns remove (col);

dd. remove (row + col);

rd. remove (row + col); ٦ b bool check (row, col) 9 (columns. contains (col)) of return false, ( ld. contains (row-col)) d ( rd. contains (row + col)) 9 octorn True;



24×5 = 120 = 51

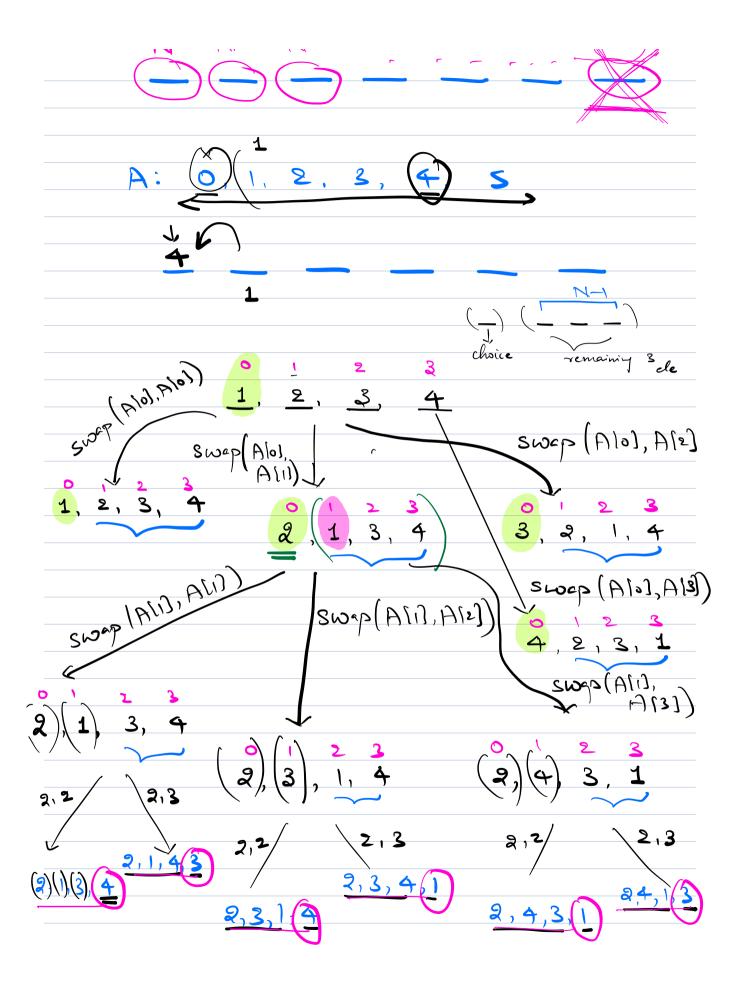
set (int) elements Selected A(N) > N Elements. set < integer > selected; int permutation [N]; void print Permutation (permutation, index) 4 (index == N) &

Print permutation arrange

Protonic for (i=0; i<N; i++) & if (! selected. containes (A[i])) « do of presmutation [index] = A[i];
selected add (A[i]); print Permutation (permutation, selected. semane (A[i]) þ

N

N-1 N-2



Code Globel: All, N, index void print Per (A1), N, index) & if (index = = N-1)  $\propto$ Print All array; pr (i = index; i < N; i++) 1 do swap (Alindex) & Ali) print Per (A, N, index +1); Undo swap (Alindex & Ali)

