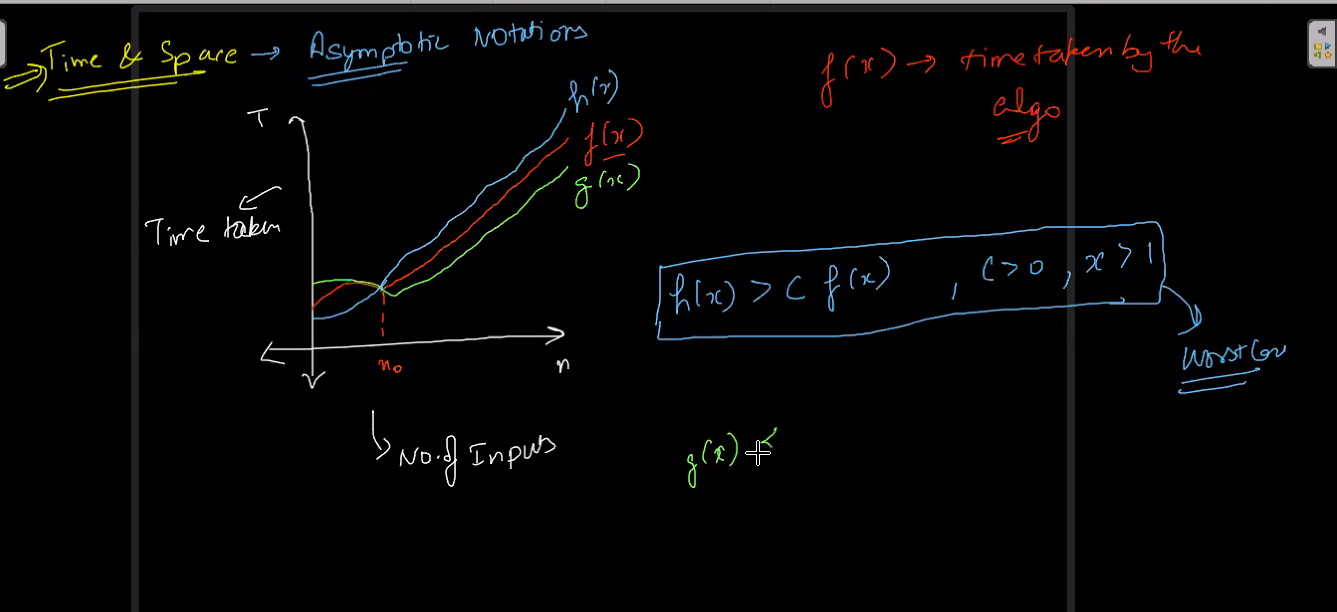
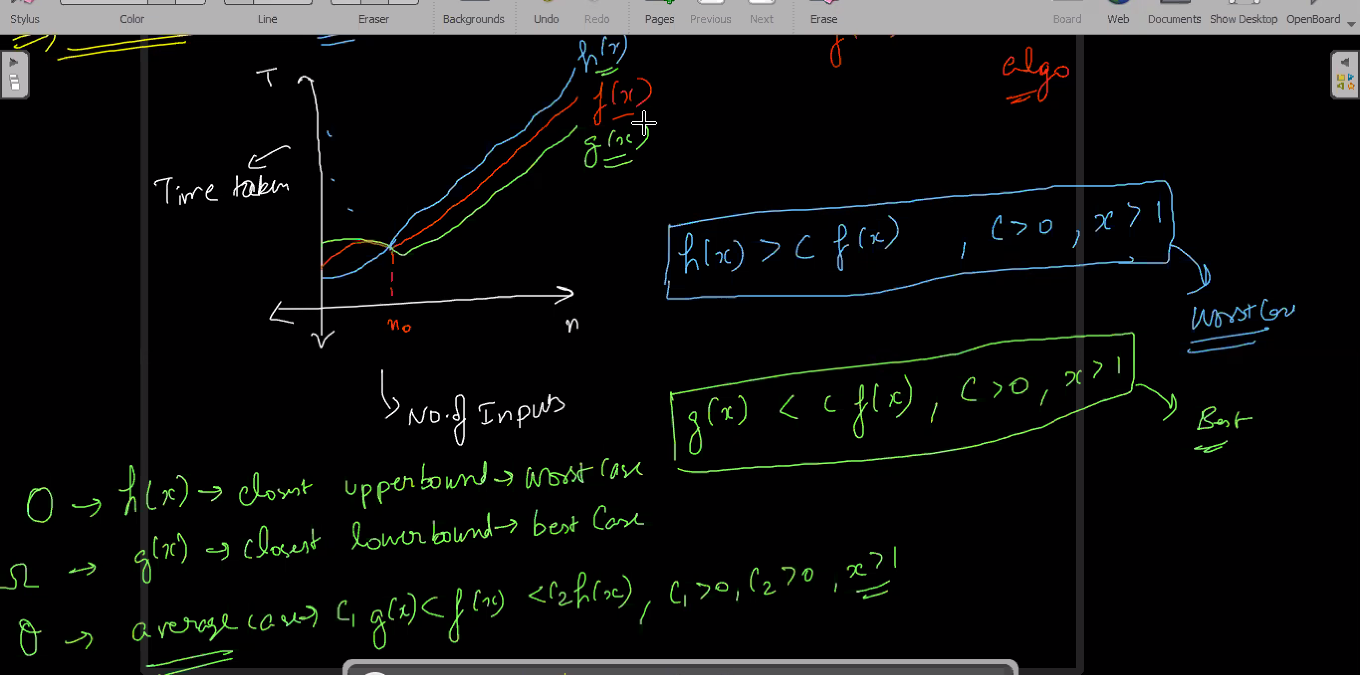
**WORST CASE COMPLEXITY**

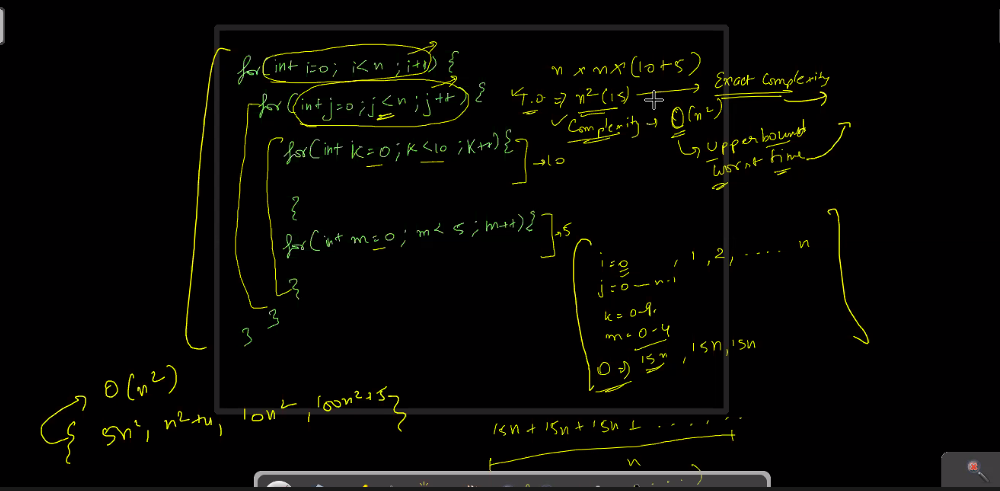


**OMEGA AVERAGE AND WORST**

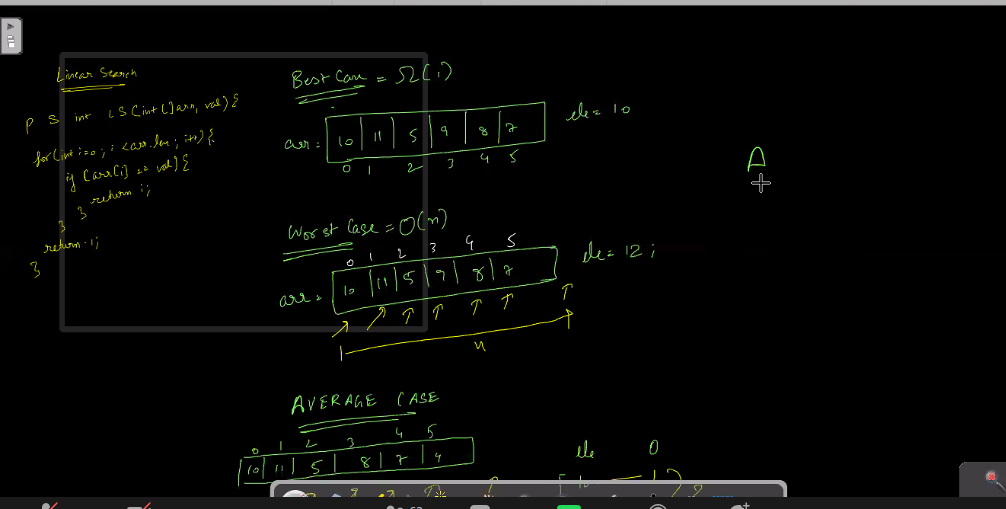
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**COMPLEXITY OF LOOPS**

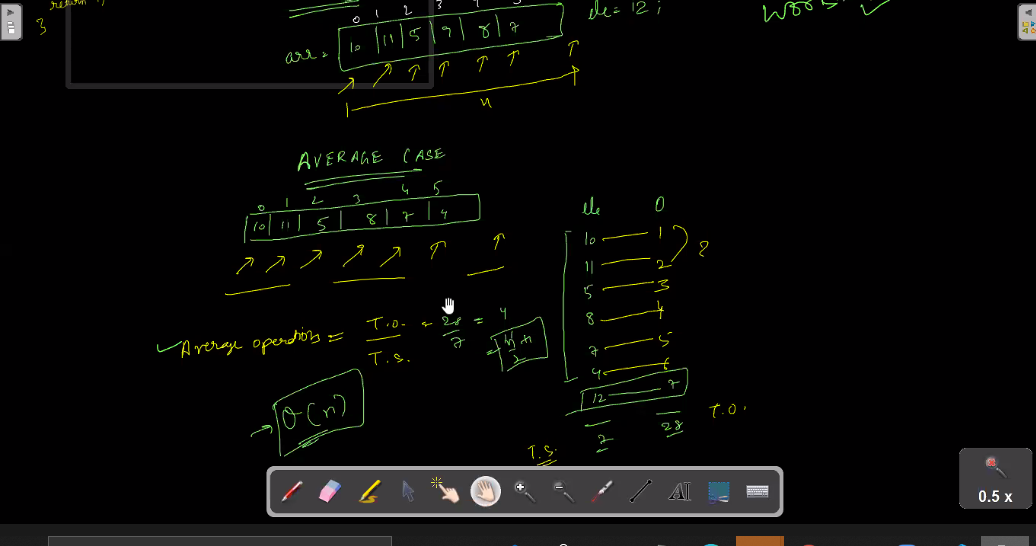
**1-O(n^2 ) or exact complexity is O(15\*n\*n)**

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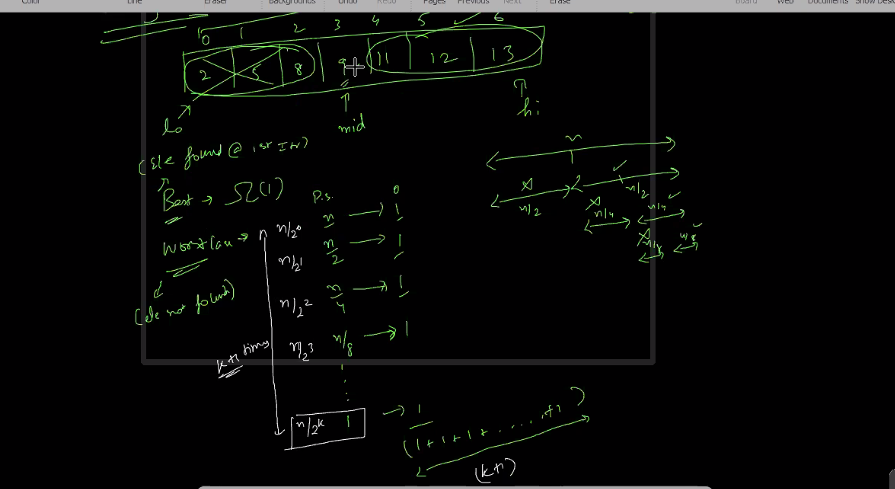
**Linear Search**

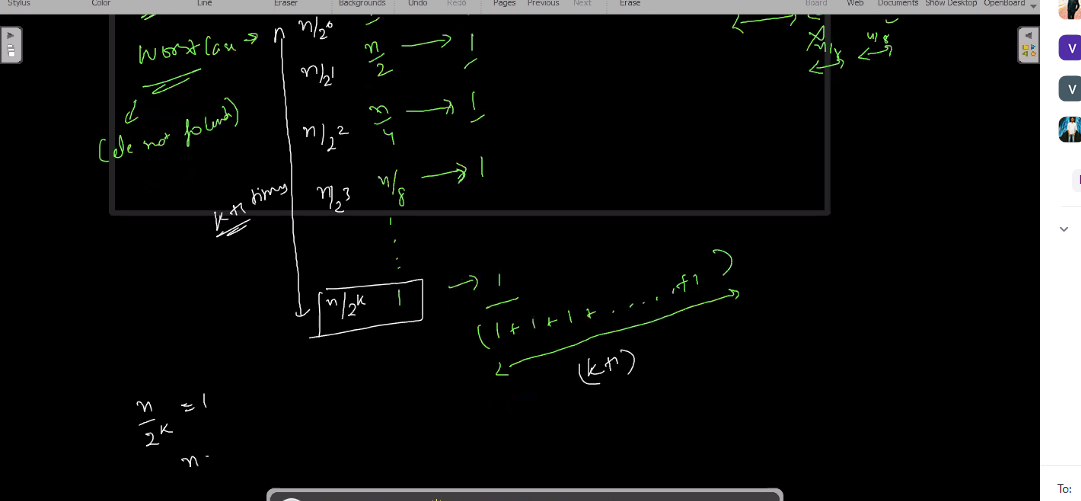
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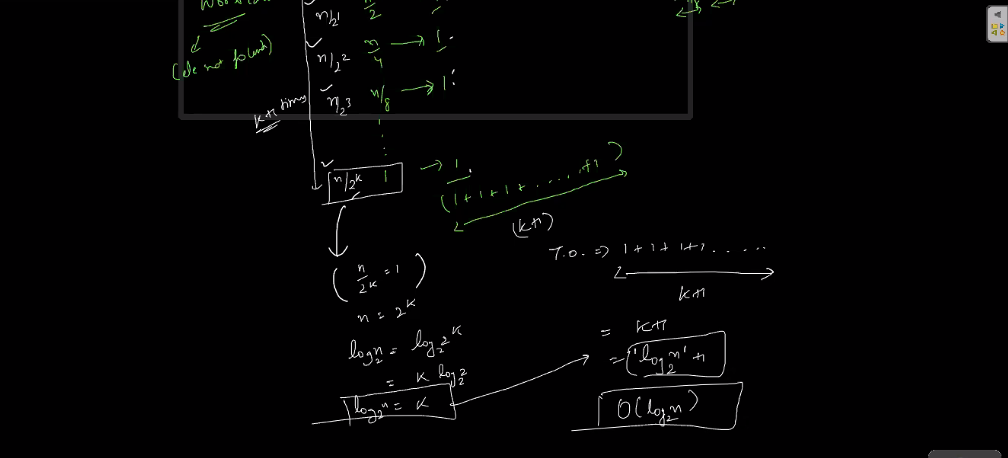
**AVERAGE CASE**

****

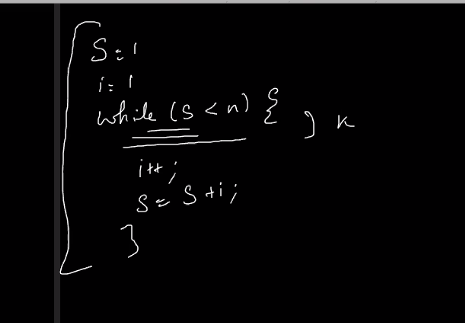
**BINARY SEARCH**

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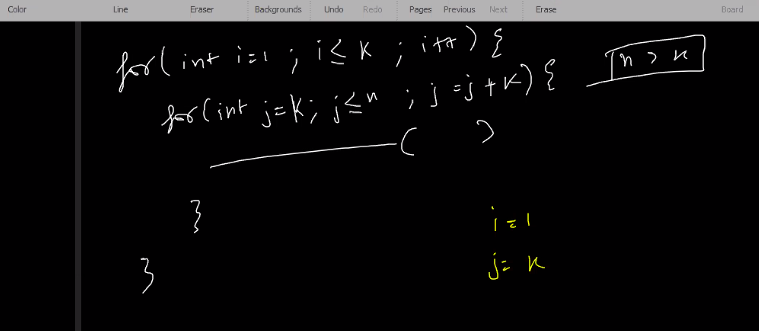
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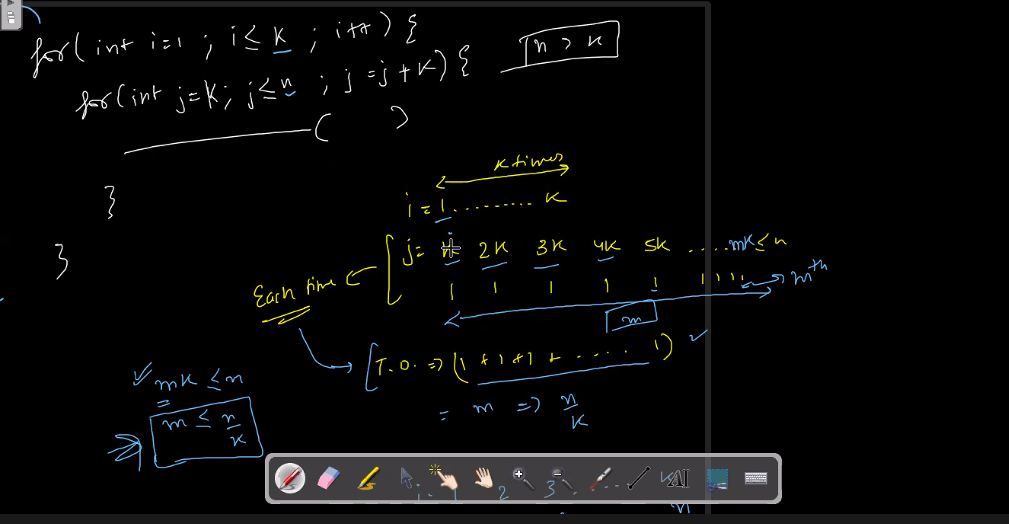
**PRACTICE QUESTIONS COMPLEXITY**

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**ANS FOR THIS IS O(sqrt(n))**

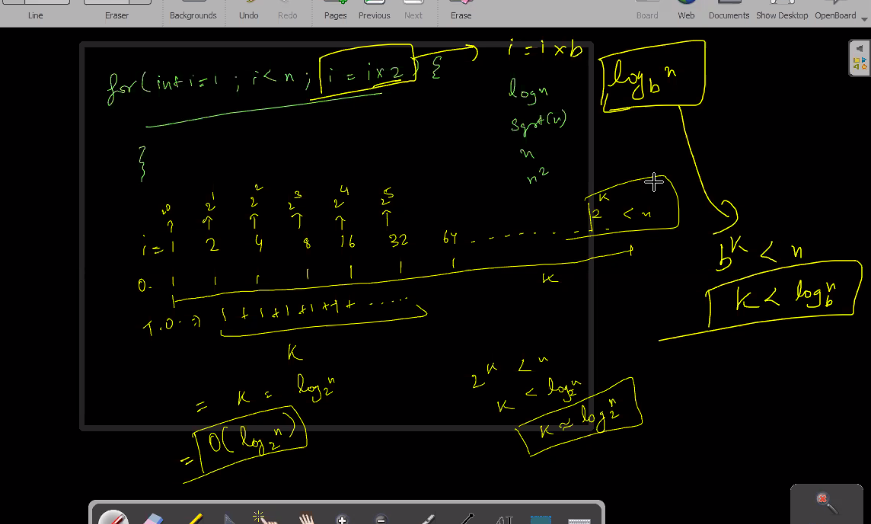
**QUESIITIONN- 2**

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****

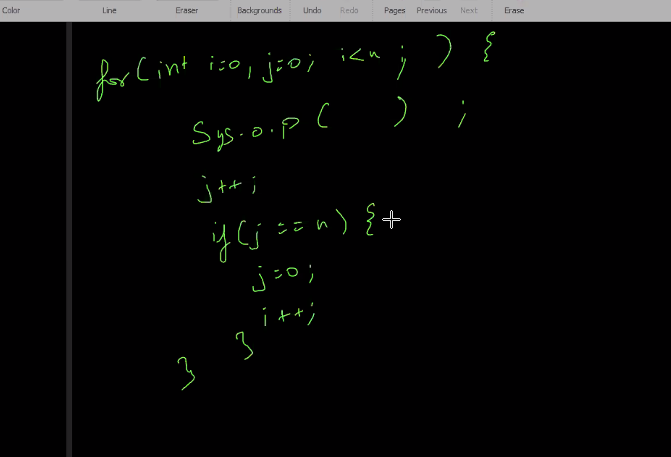
**SOLN IS : - O(N)**

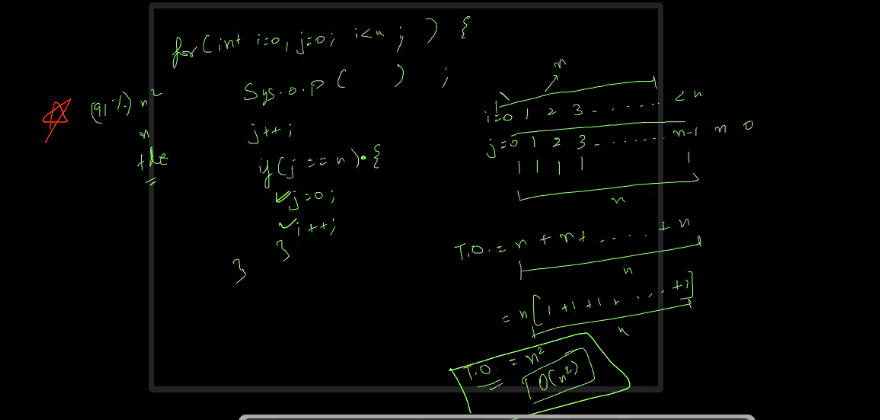
**QUESTION -3 TYPE-3**

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**ANSWER – O ( logn base k to the N)**

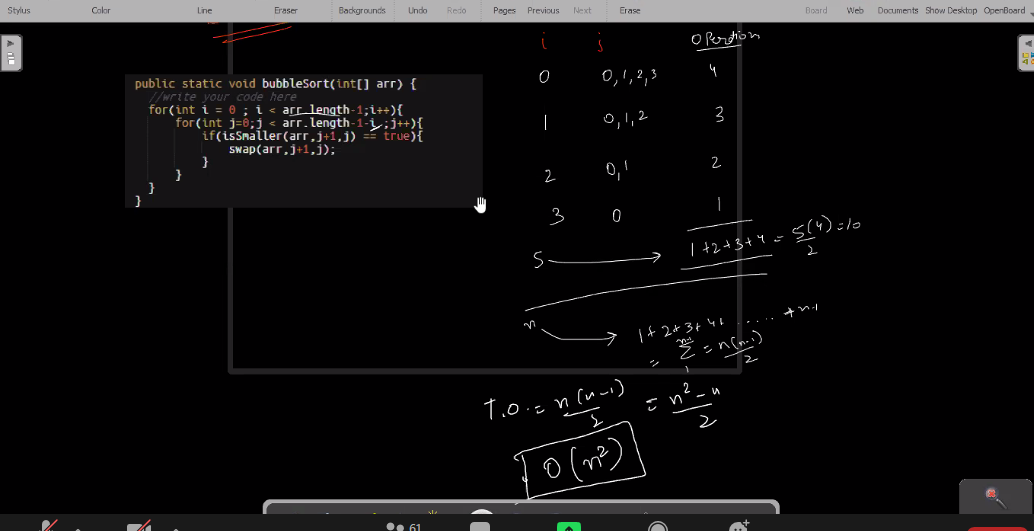
**QUESTION TYPE- 4**

****

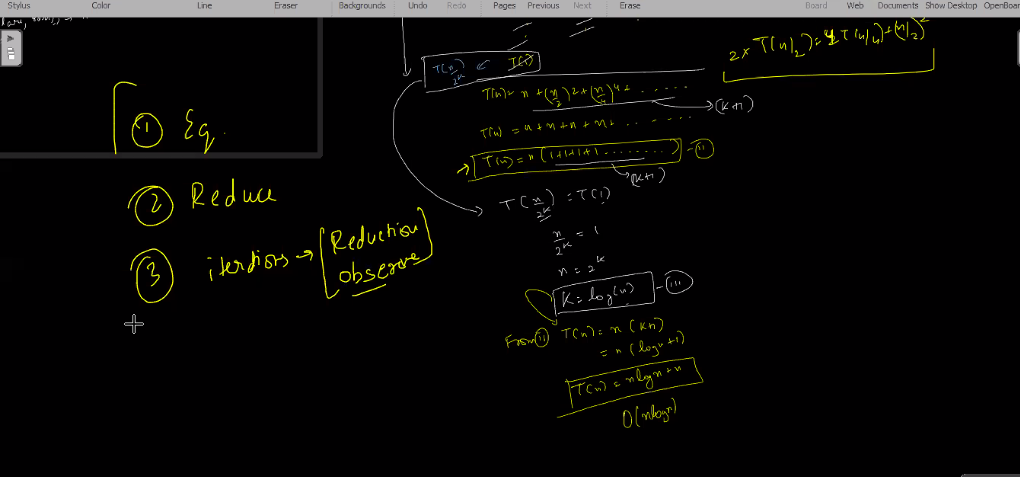
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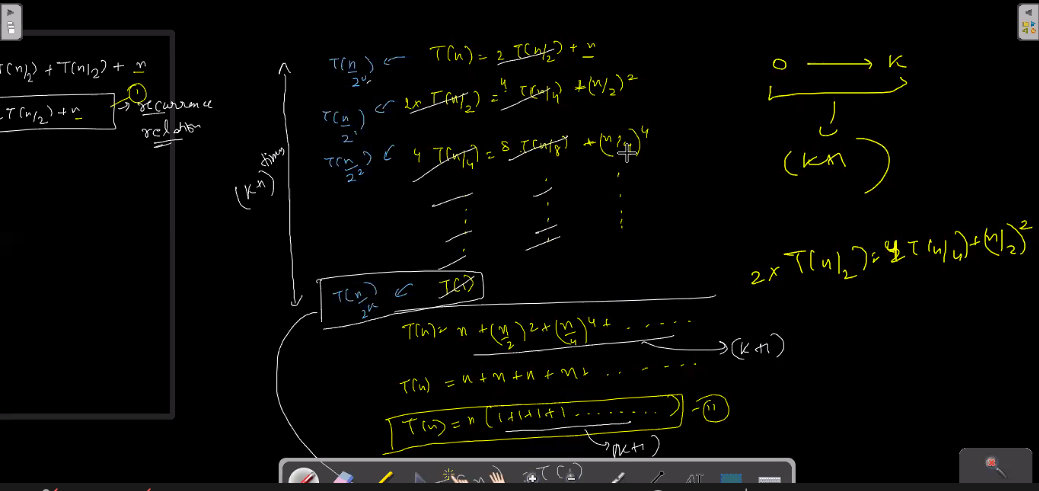
**Solution for this will be : - O(n^2)**

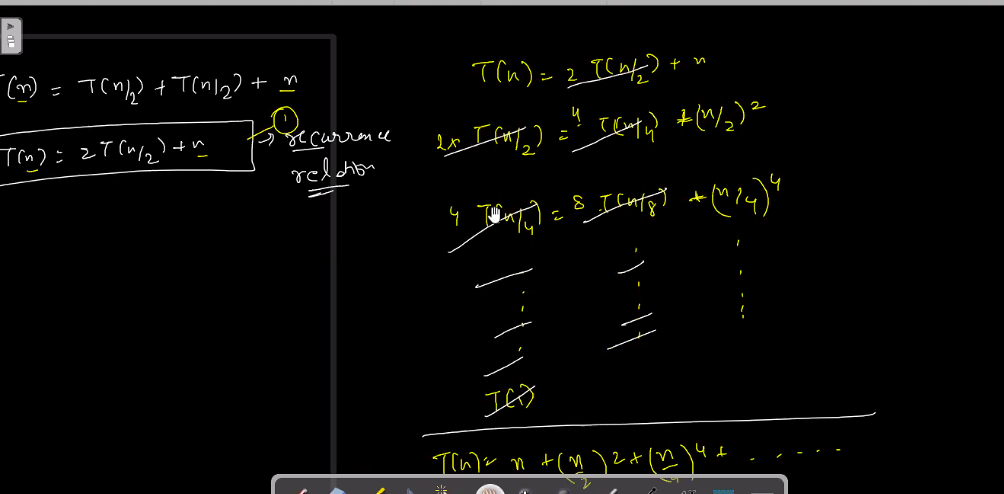
**BUBBLE SORT ANALYSIS**

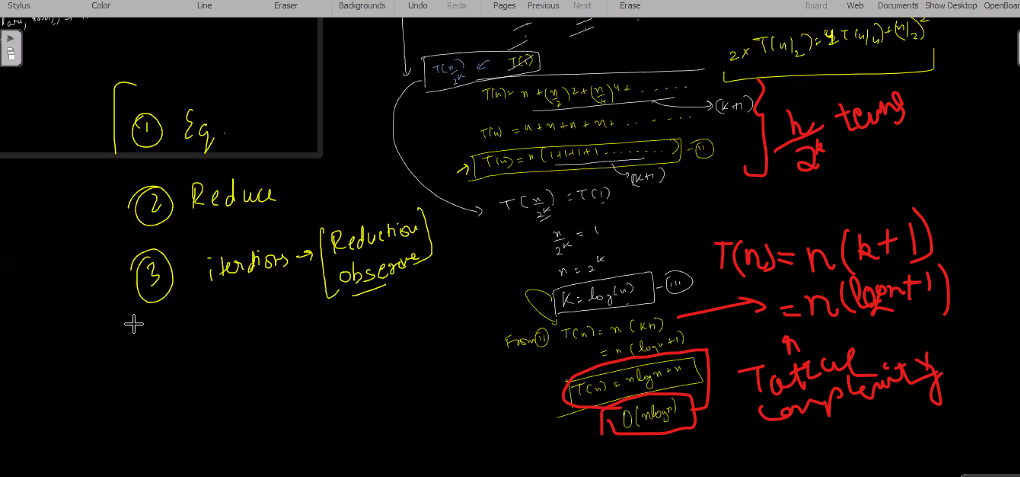
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**merger SORT ANALYSIS**

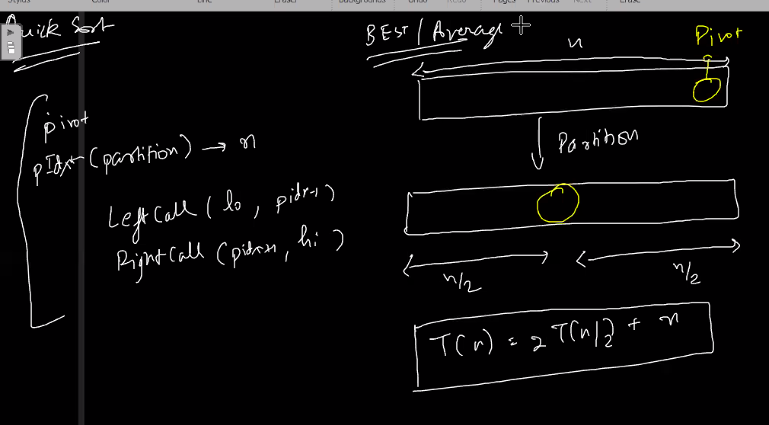
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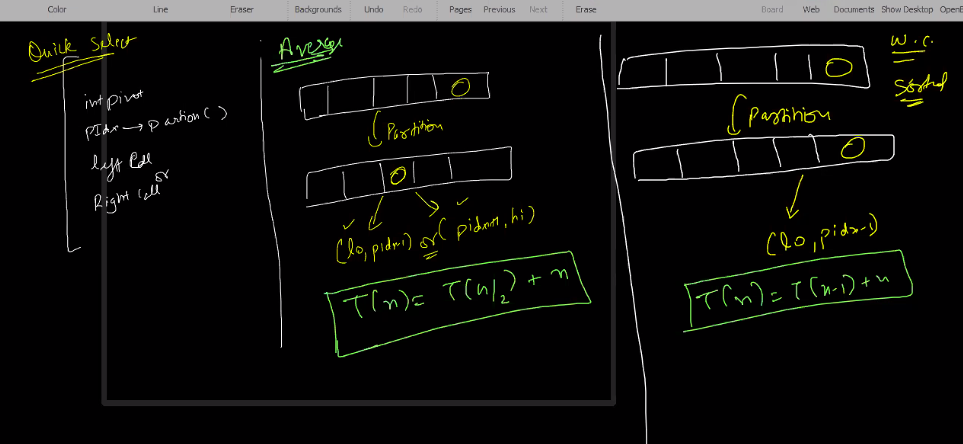
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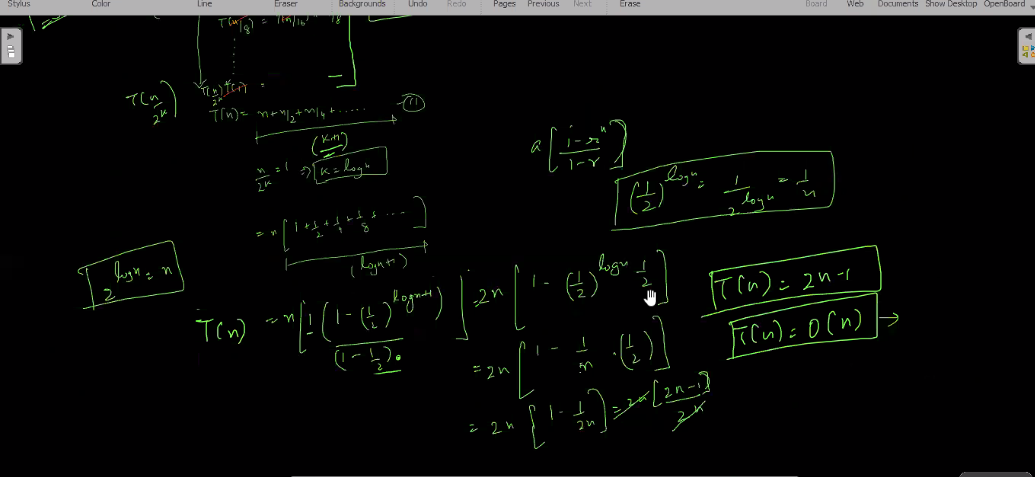
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**QUICK SORT ANALYSIS**

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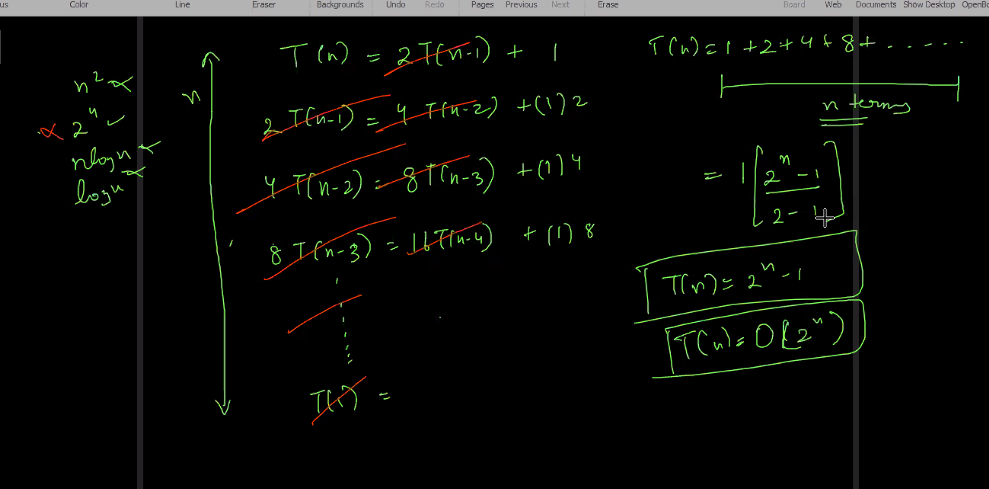
**QUICK SELECT BEST AND WORST**

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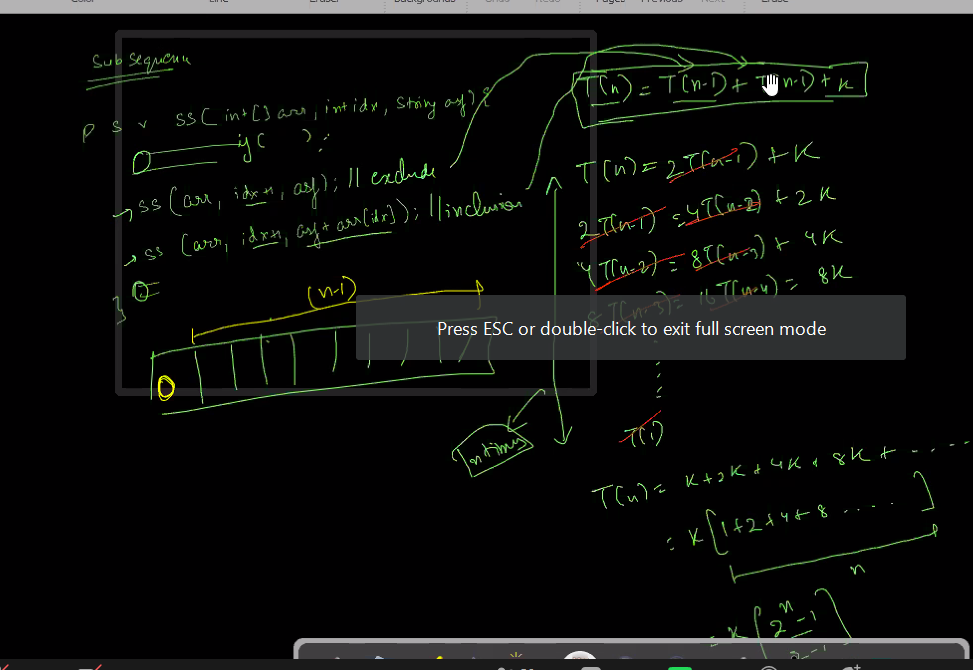
**RECURRENCE RELATION TYPE QUESTIONS**

**Q-1**

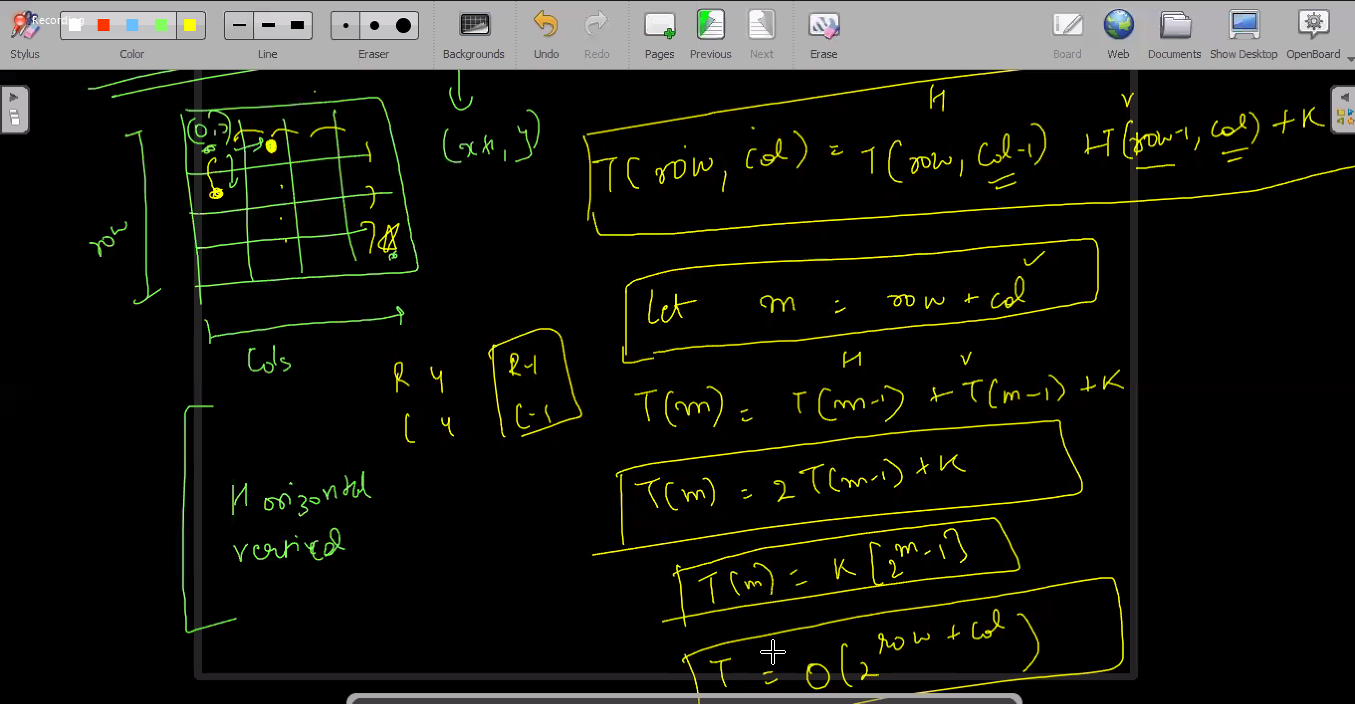
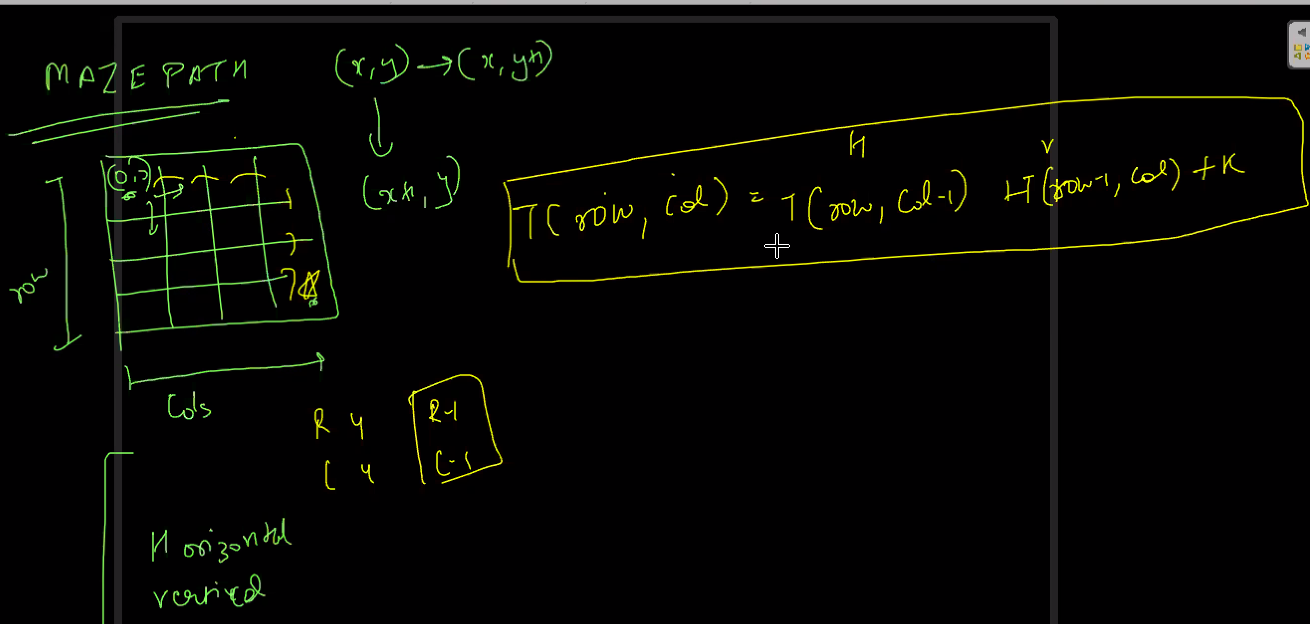
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**SOLN- O(2^n)**

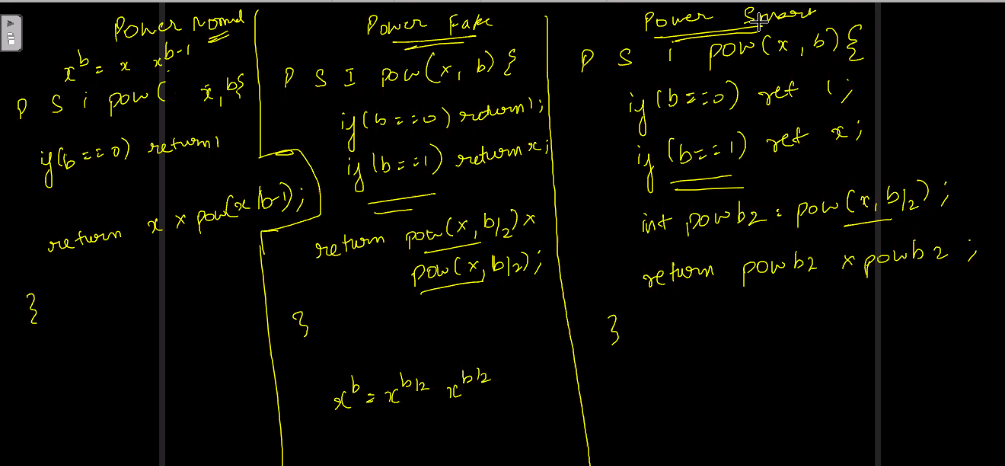
**subsequence**

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**MAZEPATH**

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**Soln – O( 2^row+col )**

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