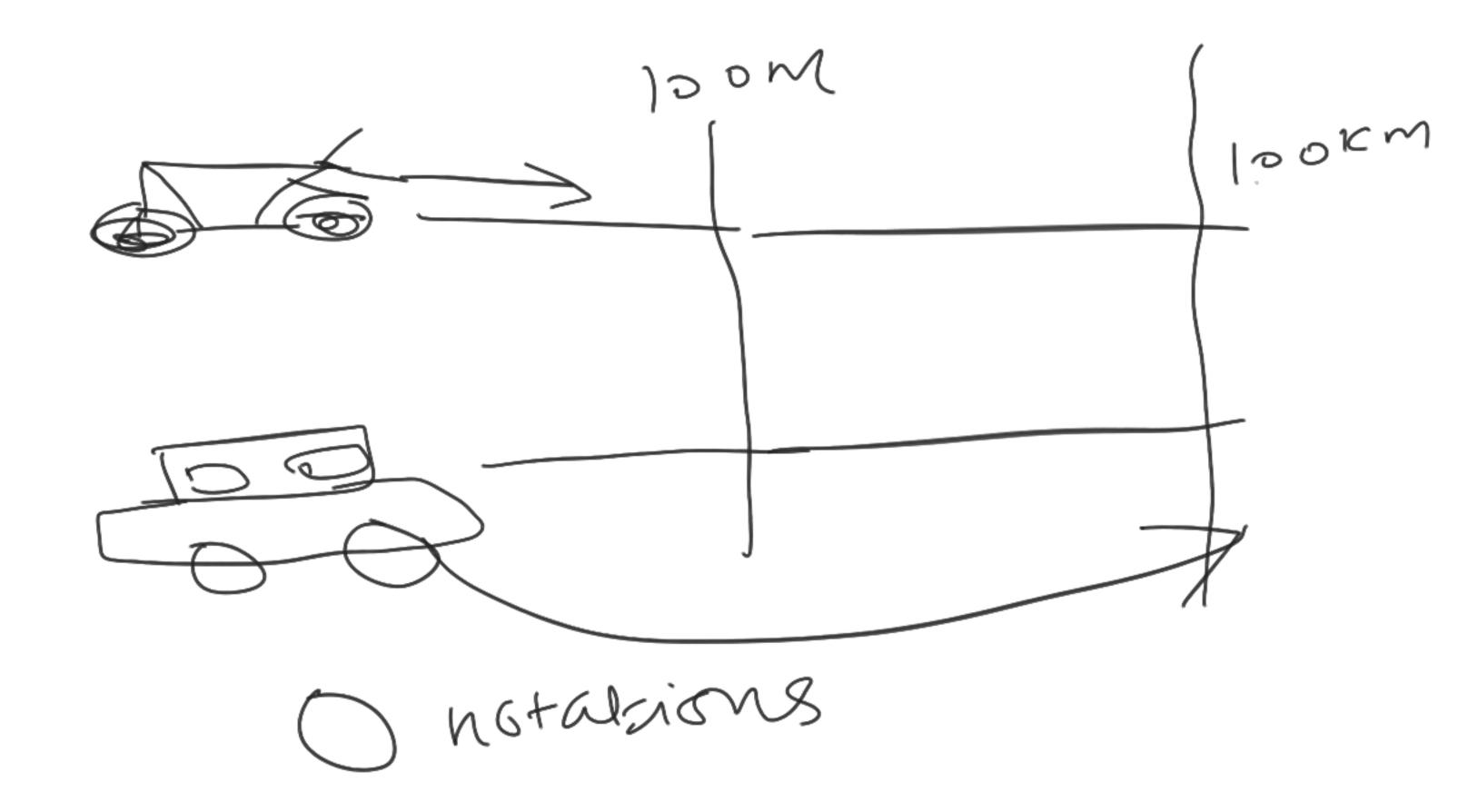
Data Stuarras 2 Algo sithms Big ()

()(n)time 25pace Anory 4 8 12 162024 375 Logic Sum = Sum +1 3-Algram 5 um = 84-> Netwin Time Complexity

X may 2 4 6 8 10 [inhallist 12] \$4 \$6 \$8 \$10 Xccess > 10 don-at 4]-> 10 0(1) $\propto n$ (2~g/n=3)

O(1)55econ } O(n) 6 (69 n) $\mathcal{D}(n^2)$



8/12/7/10/15/17/19/2 20 J. - - (angti-) [W60hoo!

0((09)) Input data Size

[2]4[6]8[10[12] bit of 8 12 16 20 -> menrous medine integer > 4 bytes to cation Find(10) -> index -> 4 2ata(4) = 10 Hata(4) = (4x4) = 16 5x45yres = 20byres - Continuous)

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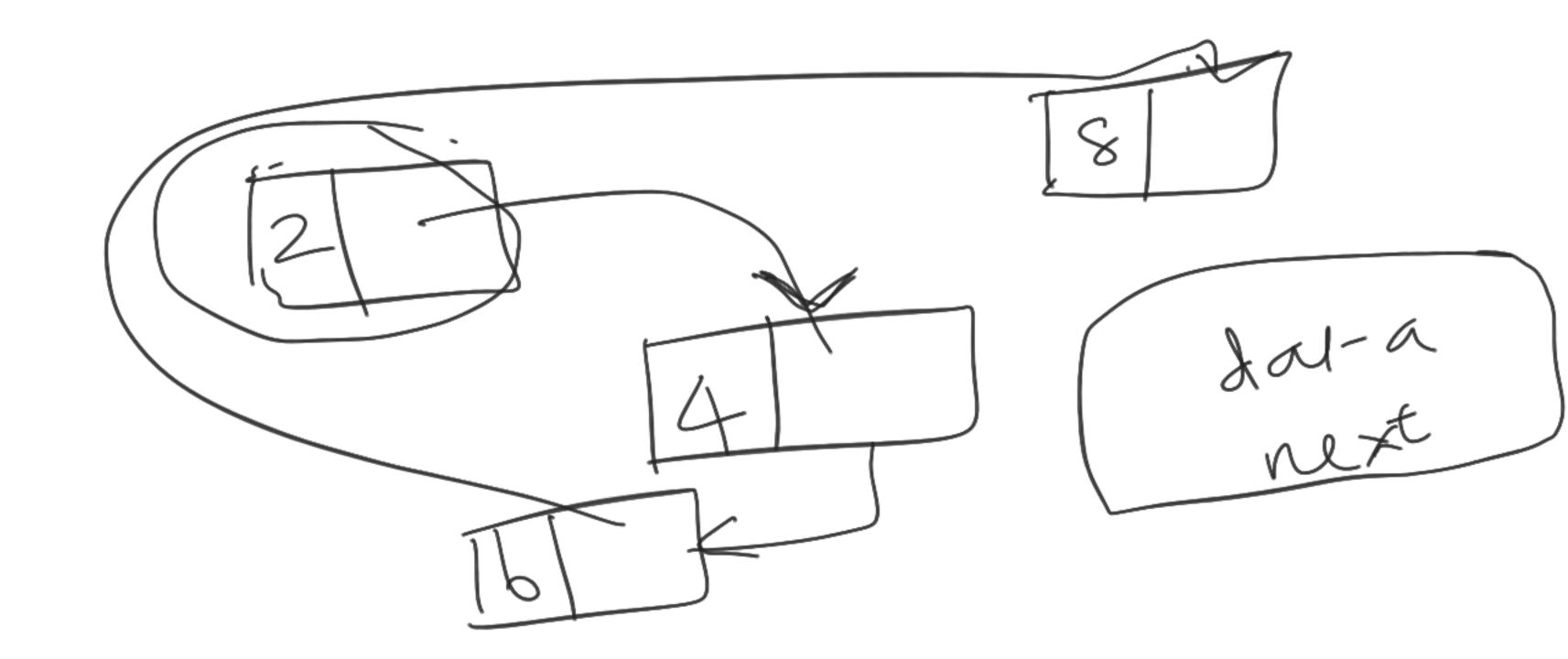
Use cases of Amays

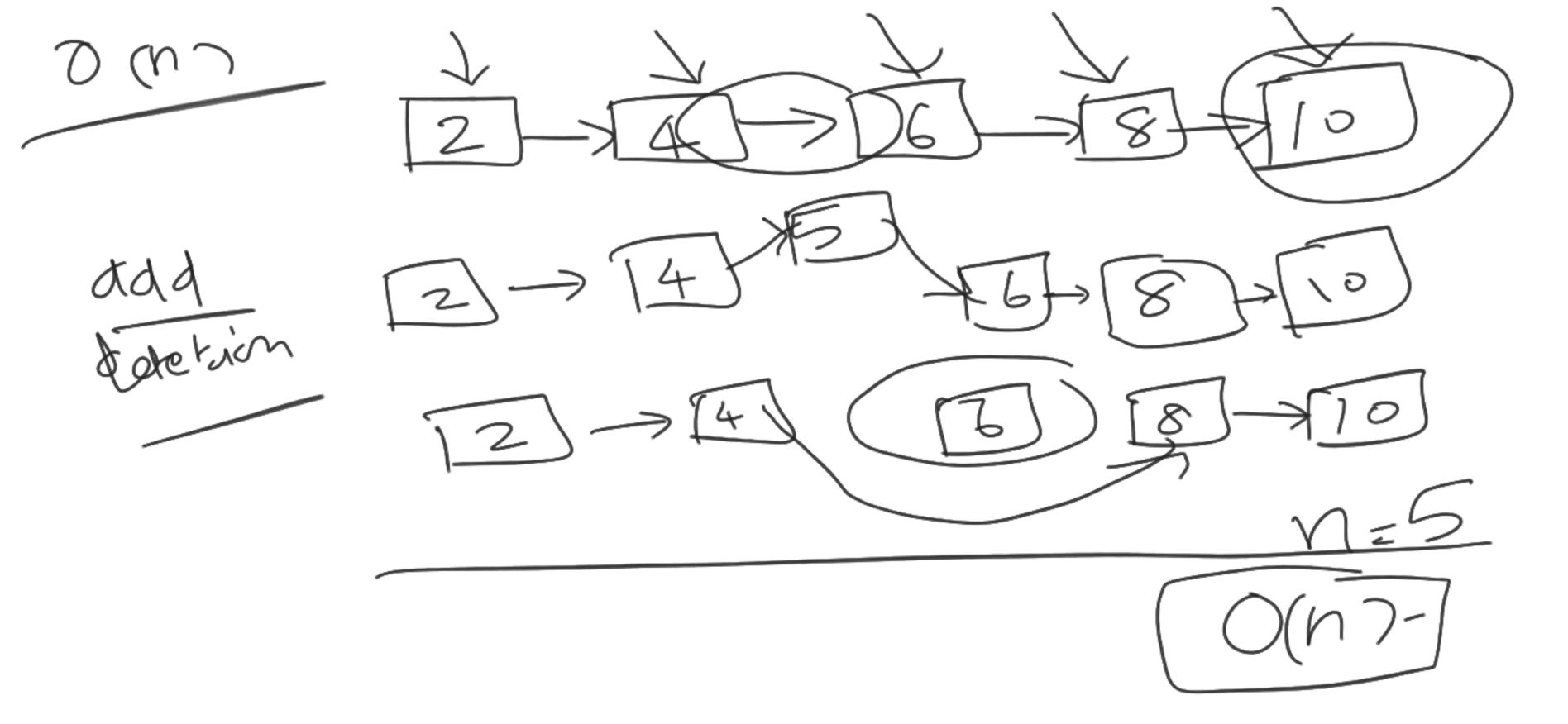
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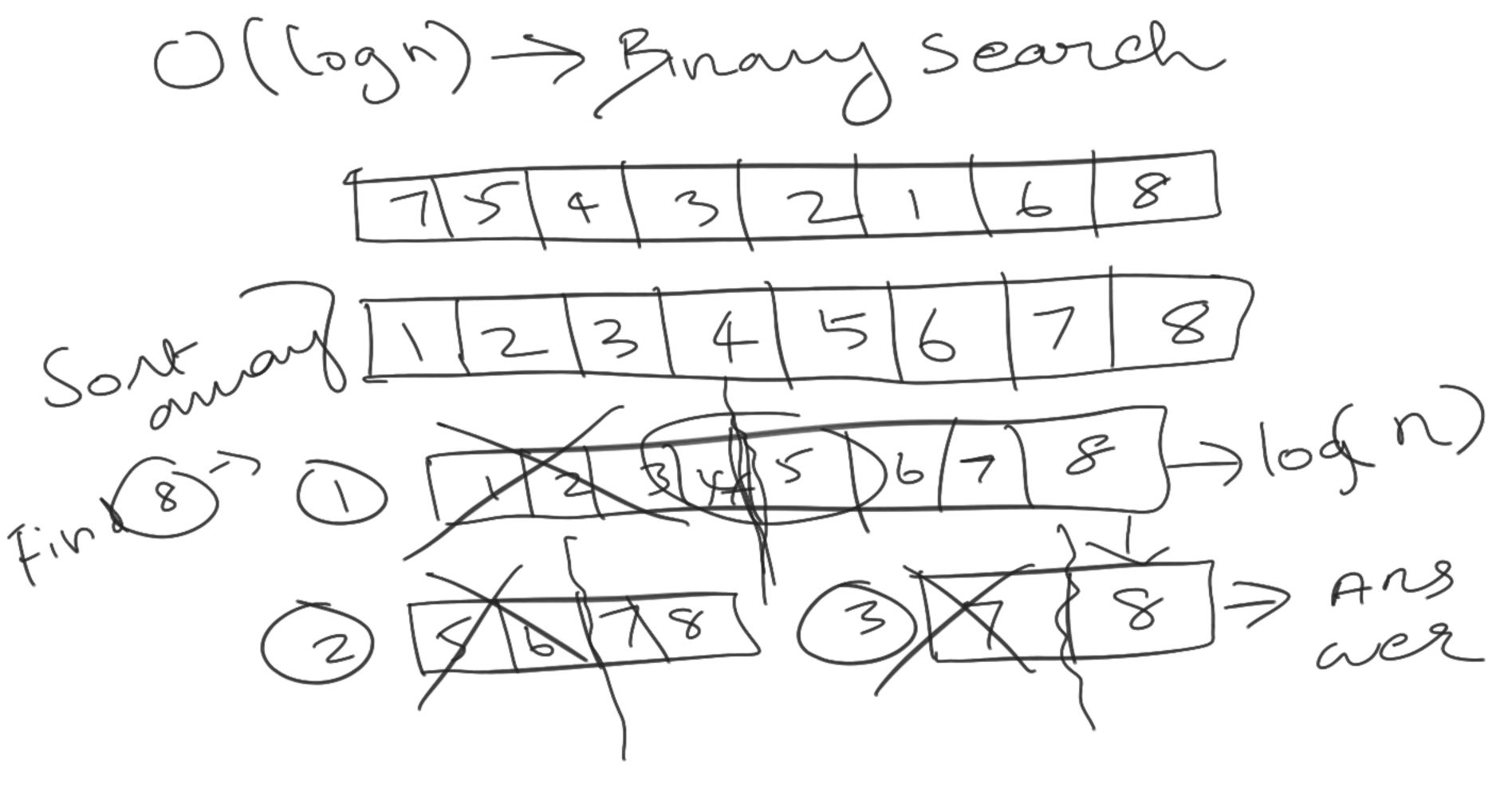
Dw) -> linkedlist

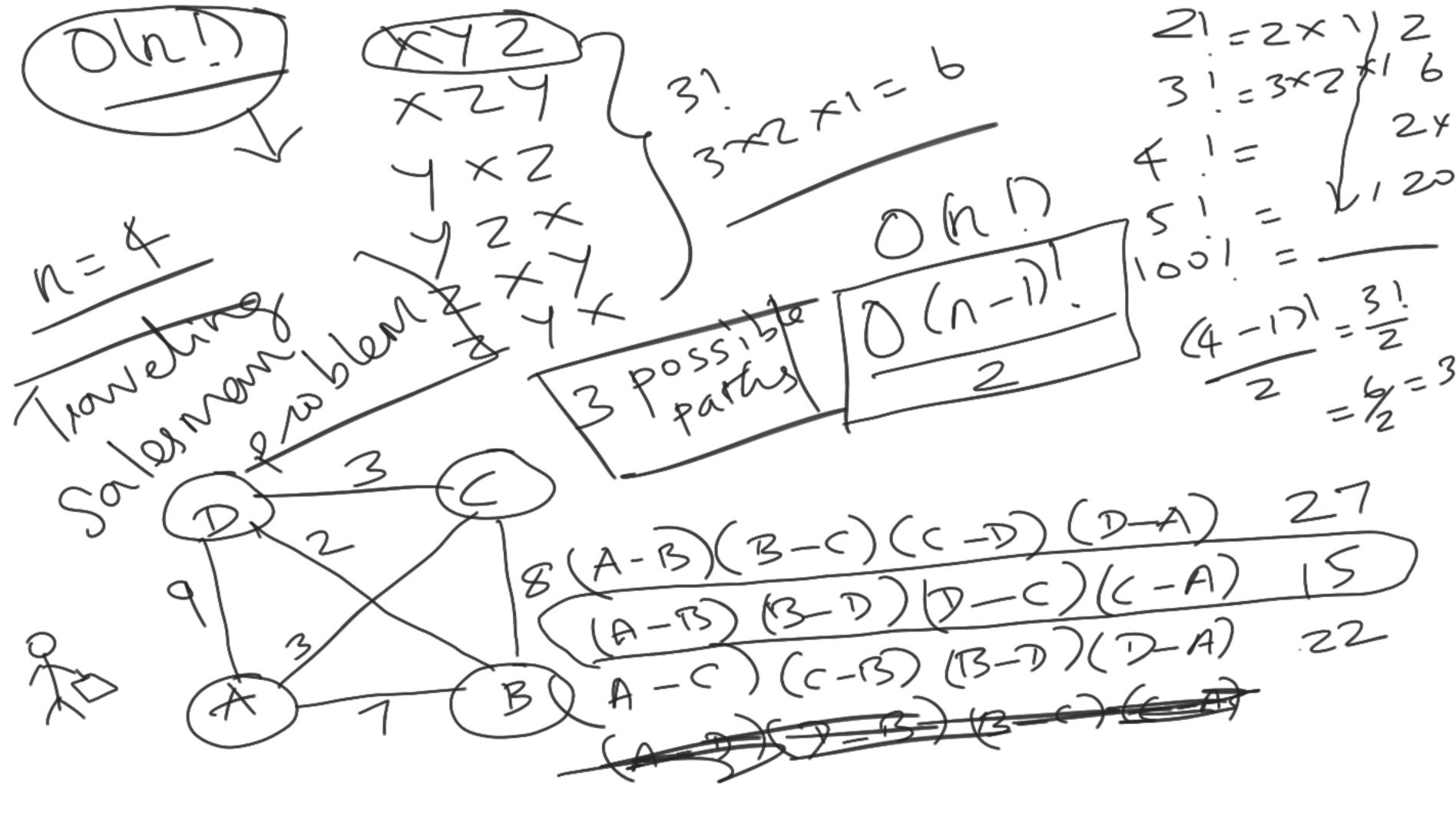




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Stack





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