(L-3) Page No. 0(n) 0(n) loose Stight a (scrains today for future) Arratised analysis xpered time required to perform a segue of DS operations and over all (n) operations. performed. Any cost of speletism may be small when aug d over n offeration even tren a single ofeliation is expensive AA syrantees the Az performance of each operation in wast care 1) Assegate Method. -> TTIn @ Accounting Method. - and prepaid (cost involet) carriters) Potential method. Jex-1 stack openations. Can be used by other (low cost) multipop (sik) ( while (! s.empts ()) k!=0 J. S. POP()

Pop= U(1)

Pop= U(1)

Punco(1)

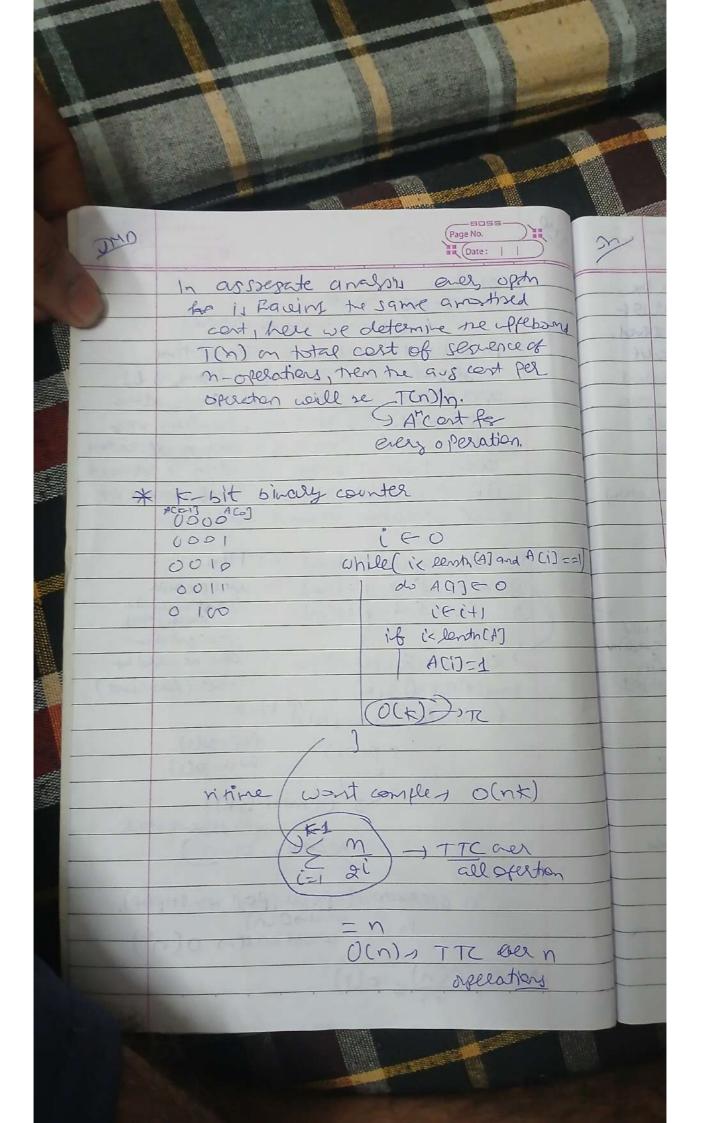
J. K--;

O(min(SIK))

Size of stack wortcare o(n) n operation ( pun, for, multipor).

in wort so (n)

in wort so (n) AC=> O(n) = O(1)



(Page No. ) AceM, In his reduced we assign diff charges to debb operations with some oper. charged more or sess, than tree actually cost the amount will charle ban of is its amortised cost, when Amythed cost - Achal cost, dibs is assigned to the object in fam of coldit. That cedit can later be used to the operation where A most sed cost is less than actual cont of operation. Thus the total Another cont or requence of a aptions must be upper bound of total actual Cart of sequence let actual cost of it operation and charged cont Éi £ (1) £ (1) 1=1 Pulha 1 ROPal matheración lets assist another cost purh=2 pop=0 multipop=0 +2/1 Rop of should not be (se).

