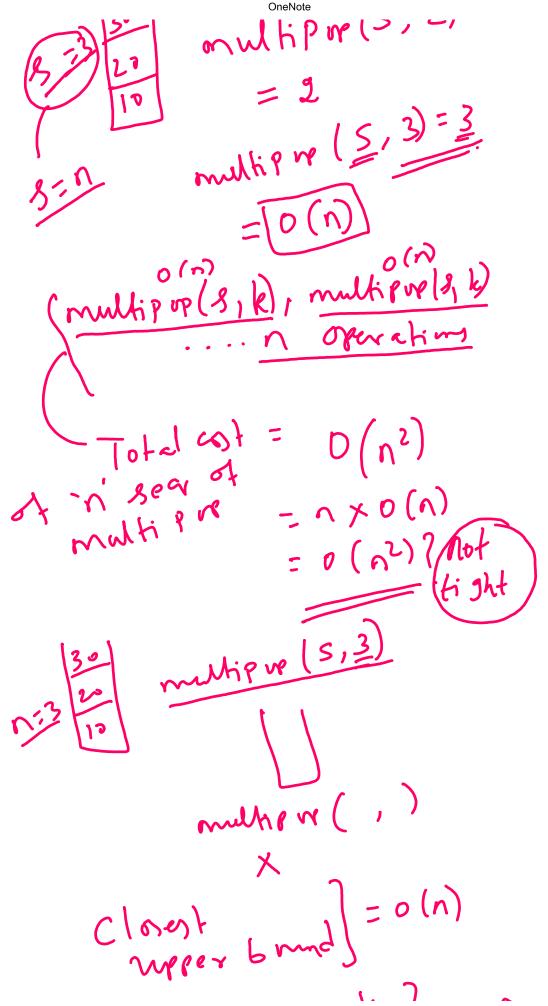
Introduction

14 September 2020 20:03

Amortized Analysis - Sea of operation line average Over all operations - Probability is not involved _ "average Performance of each overation in most case" 1. Aggregate analysis Seq. of 'n' T (n) - Total time Complexity of operations Worst care amortised = T(n)

oreration) Stack operations Push (S,X 70P(S) Achuel Cost Sear of operations Push (5,10), Push (5,20) push (5,30), Pop (5), Push (5,40) Total cost of

3) multi pop (5, - elemen re proped multipp (5,2) multipro (51(k) Total cot off mullipre. Worst case (stal) - 0(8) cost of multiport



Total push, pro, multipro) = 0(n)
cost T(n) = 0(n) Amerizad = O(n) = o(1)Cost of prop

push or prop

or omations 2) Accounting Method Sea. Operations Operation -> cost is assigned. Charge, more credit less credit

amortized Gost

1WILLOW multipor Amo Cost ush (5,20) ush (5,30) Pre (5) Por 15) multipr (5,3)