Harole On 11 1) Given a dyranic table (see Setion 174) that doubles in size when it needs more space. Find the annibited ventine for preceding n elements.

a) Use the aggregate method in the aggregate method we consider the total cost across all the methods and alculate あるるるるる Me average (avoitized) cost per 9 recetion. When Proserving the 9th element, if a serice operation is not needed the existing tapper costo (i) as it involves copying the existing elements to the new table of Size 2 K (K is number of size 2 K (K is number of serices) performed ) Total Cost = O(n) K => O(nlogn) Cost per inscrtion = O(logn)
Rentire per inscrtion = O(logn) Total time is O(n) & log(m+1) 6) Accounting method: - In the accounting method, we assign each instation a higher" amountized" cost the store" ceedits" that pay for future resizing conk. Psaudo code:for i=1 for 9 f dable is full neutable = celete new table ghon old table to new table
table = new table insert element & grato dable initial charge =0.

Robert Jamos drave Hands Call tall 1471 for i= 1 to in alles simply charges += 2 If table delabled in Size from wito 2m Credits +=m total charges = 2 × n = 0(n)

total charges = 2 × n = 0(n) -n/xm = 0(n) Amorbized cost par inscrios egget online on total in Rentime per Probetion 6(1)

Total time 0(n). 1 april per praction = Odoga 1/2 Rushire per person = Ollogay Total time is O(a) & log(m+1) Augusting rolling - In the occambing rectord I seems a light " andopsed" is as CHOR " and it " yest food for felling soxia 194 121 por of table in full restable = Good the buble ma with size you copy plant even old lotte to now till belie - res table insect clarest & into talle n= 38201 Lotting