Name: Tirth M. Patel Id: 1002252509 student 0 thap = 17. Q1 sggregate Method Ropert clement Initially table with Rapacity = 1

for i to n

if table is full

network = create new table with Size

2 rewrient size rapy element from

ald table to new table table = new table Joseph Insert element in inter trable Let the log (n +1) -1 (n) +1

Catal cast = 0 (n) +1

Cast per insertion is 0 (log n) Testal time is o(n) log (n+1) Initialize table with Rapacity = 1

for i=1 to n

far table is fall

new tall - create new table with size

current size

Student II 1002 52517 the gods Ropy element from old table to new table = new table. insert dement i into in bialize charges = 0 for i=1 to n

sharinges is = 2 not in enter if table doubled is size from n to tatalistation = m = O(n) Tatal Credits = m + 2 m + - W2 m = OCA cast per insertion = Tatal /n Runtime per insertion = 00) Tutal time = O(n) ne tali ce t

let I a door small