	A. 4
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	Inserting n elements using
	· ·
	1) Aggregate method
	00 0
	* Pseudo Codo
	the state of the s
	Initially table with Capacity = 1
	for i=1 to n:
	if table is full:
	network = create new table with sug 2 Cursot sign
	Capy elements from old talile to newtrales
	table = nou table
	insert elementa i inter talelo
	unser to many to the second
	Pet to = los (mil) -1
	Let $K = \log (n+1)-1$ Total Cost = $O(n)$ * K
-0	= A(x long)
	Cast per inscrition = O(kog n)
	Casi par institutor - C (Sy h)
	Runtim per inscrition is o(kg n)
	runim for inscillon es of log 1)
La	Total time is o(n) & log (n+1)
1	Total time as O(n) in (n+1)
-	
The second of th	

(b) Accounty method-Pseudo Cade -> initially talk with Capacity = 1 for i=1 ton: if table is full. new tale = Croate new talele with size 2 Current Sug Copy clarment from ald table to new table ensent element i into talle initially change = 0 if teed doubod in suy from m to 2 m Credits \$ += may Tated charges = 2 tn = o(n) Total Crides = m+2m+ - n/2 m= o(n) Amertyed Cost per insertion = Total n Rentime per insertion = O(1) Total time = o(n)