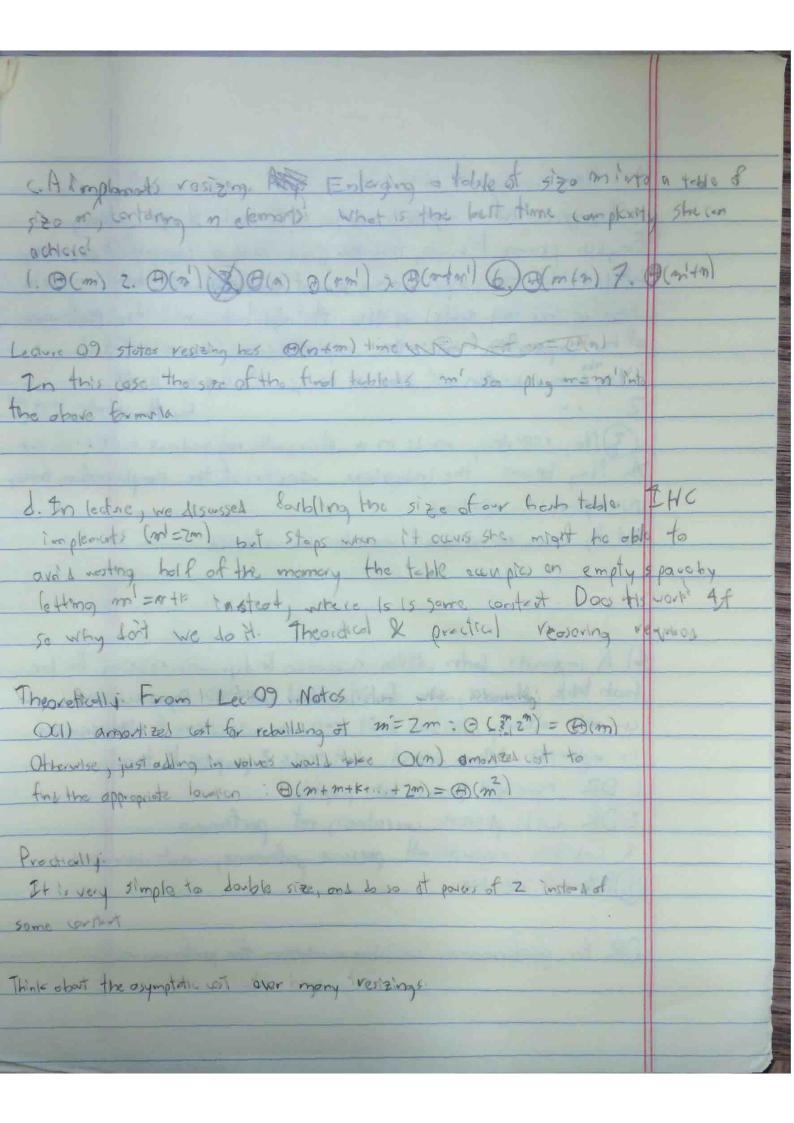
4-1 Wash functions & Low a. Imagine that an algorithm requires us to host things canding English phrase 15 mains that strong fire tared as servences of (hereto) APU doctats to simply use the rum of those character values Complibition size of box bosh table) as the strings bosh, will the performance of her implementation moter the expected volve shown in lecture Lyas sum a peraten will space out storage interely by levight by the wornders truly will (3) No, reorating words in a string will not preduce a afterest best * No, because the inseparations consisten of the simple uniform texting USSUMPTION 18 Notated Not 4, hoshing does not depend on where other keys are hoshed. (b). A implanent's boton collister resolution & dynamic restring for har both teble. Howard, she doesn't want to apper both. Dynamic resiency co- word collison, collison don't wase convections issues & collision resolution is implemented when statement about trose 2 proposes is true? 1. DR alone will prosove both propose 2. DR WILL prosence correctness not performens 3. collisten resolution will presente performance, not correctues 4.) Bath are needed DR for performance, collision resolution for performance



42. v. Let's exemine the "membership testing" use uso which Adamst according desolber til Mary Inschools right ofter creation, and from mostly lookup.

Z. A maximized of every-milked inscriptions labeletis & lookups.

4. Alternating rounds of inscriptions be letters & lookups. It is described as "Creater one then verely changes" & many insertion, mostly Mary cells to has-key" => many look ups. b. Now largeline you here to prop a not function, sze, will from resolution statesy and so founts in order to make a book table pertecting suited to this use case alone. Aler tre statement that but describes are choices you might make. 1. A long min size on a growth rate of 2. 2. A small min size & growth rate of 2
3.) large min rize & growth rate of 4
4. small 6. The document recommends a law X => many slots por Key => kinge table size =) faster growth rete Mary keys inserted initially a start w/ a larger tolo