Home Work - 2 Name : Soi Robit Kulyan Gondham Student 20: 1002070784 Emillo: Sxg0724@ mars. uto edu 1501) let's assume Simple Hashing Say it is uniform. 1501) # The lay order of the keys on Skiking. unit So xi is the Expected along times the roy will be coulded by those keeps hoshed afterward ic E Probability (b(kj)=b(kj))= [Im=(n-1) m.

it is a collision is the addition | Sum of
the No. of collision for each possible Smalle

Stement in the Collision is

Expected No. of Collision is

= m-1. m-n(n+1)/2

in m. m.

11.2-5) A let assum the given bosting of consonations SOU desing Hashing is. × 0,1 = > hu) So each hunt-table sold Tij) Contains a for that whose hosts value is I Eg hini) and hins = blos) = bl a So ; contains as pointer to the head of the last of all Stored Elements that State of word NRC or Such Elings + CHained Hash Insent (Tm) insert to at the hundy list T In luy (10) & Chained husby Seweb (T, 1) Sews for an Element with key of in a So Now We terow that (1) De si coppies is the for pression is out 2 as insertion process is fast become we assume that I Slement (m) is asserted b

not present in table. particular to the length of little on the landsqueet 3) deletion of an Element (m) com be doorly.
In OU) as Plist or in linked abouty. Sol) = Perplontion-0: For each ky1 is a long Character thus to compare keys at Every node we need to perform a string comparision operations which is very costly and time assuming and time assuming the lay lie., generate a numeric value for each string we and seemthing for and Comparing hush value but it is lart to be numeric values and Comparing hush lakeh turns out to be numeric values and Comparison in poster.