

CSE 208:

Data Structures & Algorithms Sessional II

Offline 7: Hash Table

Report By

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L-2, T-2

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Hash Table Size	Collision Resolution Method	Hash1		Hash2	
		# Of Collisions	Average Probes	# Of Collisions	Average Probes
5000	Chaining	1843	1.461	1829	1.485
	Double Hashing	30375	5.691	34185	5.214
	Custom Probing	28032	6.577	35049	7.165

Hash Table Size	Collision Resolution Method	Hash1		Hash2	
		# Of Collisions	Average Probes	# Of Collisions	Average Probes
10000	Chaining	3682	1.437	3662	1.503
	Double Hashing	72141	5.118	72450	9.133
	Custom Probing	61235	7.496	65544	11.339

Hash Table Size	Collision Resolution Method	Hash1		Hash2	
		# Of Collisions	Average Probes	# Of Collisions	Average Probes
20000	Chaining	2169	1.238	2121	1.219
	Double Hashing	4022	1.358	3718	1.372
	Custom Probing	3887	1.364	3794	1.367

Hash1 - Polynomial rolling hash function

Hash2- Universal Hashing Function

Aux Hash - Checksum Hashing Function