Chapter 20: Hash Tables Constant Time! reticre or all delete only: anything ! - ingert - no sorting - fad - hash function takes hage munhar and mays to smaller - delete % expensive what about strings? set - no doplicates Hastset-faster Itash Sct Treset-Sortes java lang String "
hash cole Tree Sct - uses the to keep order Nap - one valve a lifterent valve Hush Map is. Tree Map

	Chapter 20: Linear Probing
	- Squisting large Set, some values might occupy the same
	rate
	- go down is find bext free spot
5	-
1.	hash 89,10 = 9 2. hast 18,10=8 3. hast 49, 10=9
0	419 - Langing size, all hasts
1	unt be re-computed
2	
3	no cluster
4	1 3 line 1 3 k kg/ 1 kgk 3 hof
5	
6	linear probing
7	linear probing VIIN WILLI
4	18 18
9	89 89 87 Qualatie
	by 1/1 1/1
	Quaratic Prohim
	- try H the H+12 than H+22 0 49 49
	- issue with single spot
	- issue with \$ 70
e e	- Size most be prime! 3
~	4
	Seperate Chrisia 89 9 5
	-no proling 18 8 6
	- Vincar 49 9
	- Size can grow 58 8 8 14 18 18 18
	9 89 89 89