3.0

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Code Implementations of Itashmap Collision Hundling Linear Probing - Separate Challing class Probettosh Map ( class Chain Hash Map (Hush Map Base): - AVAIL = object() def \_bucket-getitem (self, j, K): def is-avialable (celf, j): bucket = self.-table[j] vetura self.-fatlelj I is None or if bucket is None: self. fallely I is AVAIL raise Key Error neturn bucket det find slot(self, j, k): fistfruil = None det - bucket setitem (self, j, k, v): While True: if self. - table is None: if self .- is - available( ): self .- tuble[ ; ] = Unsorted Table Mapl) // bucket new to table if first Amil is Name: oldsize = len(self.-table[]) first Avail = ; self .. tuble [j][k] = v if self . - tuble[j] is None. // key new to table if len (self.-table[j]) > oldsize: return (Talk, first Alall) 11 increase mapsize self .- n += 1 fellf k == self.-halle[;].-key: return (True, j) det \_hucket\_delikem(self, j, k): j= (j+1) % per(self \_ table) hucket = self.-table[j] if hucket is None: rula Key Error del bucket [k] det -iter- (self): for bucket in self.-table: if bucket is not None: for Pay in bucket yield key