Linear Probing: h(k,i) = (h(k)+i) mod m Hash function: h(1x)=(5k+3) mod 8 insert 41-> h(41)=(205+3).8=208/.8=0 - insert to index 0 insert 30 > h(30) = (150+3)/8-1631.8 = 1 -> insert to index 1 insert 74 > h(74) = (370+3)/.7=3737.8=5 -> insert to index 5 insert 55 > h(SS)= (275+3)/.8=278/.8=6 > msert to index 6 insert 68 = h(68) = (340+3) f.8=3437.8=7 -> insert to inelex 7 insert 39-> h(39)=(195+3)/8=1981.8=(o(cupied), +1=7(occupied), = 0 (accupied), +1=1(accupied),+1=2 > insert in index 2 insert (4 -) h(64) = (320+3)/.8=323/.8=3-) insert to index 3 inser+727 4(72)=(36013)1.8=3631.8=3(occupied),+1=47 inser+ hindex 4 41 30 39 64 72 74 55





