Ex. 2 a) {13 : 4 {1,2}: 2 {2,3}: 3 {3,4}: 4 £23 : 6 {1,3} : 3 {2,4} : 4 {3,5} : 4 233 : 8 {4,1}: 2 2.51: 2 (3.61: 2 {1,5}: 1 {2,6}: 1 243: 8 (1,6):0 153: 6 {6}: 4 54,53: 3 55,63:2 0 {4,6}: 3 b) {1,23-> 2 {2,31-> 6 {3,45-> 1 {1,3}-2 3 1241-2 8 {8,58-2 4 {2,5} > 10 {36} > 7 81,43-1 4 31,53-7 5 42,63-7 1 {463-> 6 14,53 -> 9 (563-18 { 5,63 -7 2 0:09:3 1:5 10:2 5 => louchets 1,2,4,8 are 3 3 : 6 Signest 5:1 6:3 2

d/ {1,23, 51,43, {2,43, 82,63, 23,43, 13,53 E4,63, 8,63 Ex.3 Second hash Luckion: (ità) % 9 \$ 1,21 -> 3 13,51-> 7 {1,4} -> 5 {3,5} -> 8 8 2,43 -> 6 {4,6} -> 1 45,61-12 {2,6} -> 8 654 0:0 =) 1:3 2 9; 0 3: 2 43: 6 2 => buchets 6,7,8 are frequest That nears that only the pairs 22,43, 23,43, 23,53, 27,63 remain for the Hird pass. => second pass thus reduced the set of cardidate pairs.

152 last Ruschon: (2; +3; +4) % 5 2 nd hart Punchin: (1+4, ) 1/6 5 { 5, 5} → 2, 5 35, 51 → 2, 5 27,33-> 2,5 {1,2} -> 2,5 54,63-203 8253 > 0,3 { 3,51 -> 0,3 11,81-70,3 {2,5}-> 3,2 {3,6}-,35 8453 -> 3,2 14,577001 2461-17,1 To result of 1st host 8,63 - 4,0 Will and the second hash Segurated by coming 25,6}-).2,004 0 : 0 0:15 =) 1:2 2:14 2 3 1 6 1 14 14 4 5 0 6 Chuinated S = 7 would she us a clourinated pairs while is the season that is the season of elsin snated pairs i'm the PCY al. in exercise 2. We would need to so 41 to S=15 to elim! rake more 6 =155 514 ce the granda tucket court of bucket 0,2 (fin hand and 3,4 (second hash) are 14. that would leave as will no legacet buchets thus no frequent pairs while is a false reach.