(3 marks) In hashing, secondary clustering occurs when different keys have the same linear probing sequence in a hash table. Which strategy would you choose to effectively address this type of clustering. Explain your choice.

For remaining Secondary clustring effect we will use double hashing in which a two hash function are there will given modulo which are relatively prime to each other. This will gives us make uniform distribution of hash takke for eg,

hi(k) = k mod 11 due to hi(k) offest for hi(k) = 8-k mod 0) hi(k) changes for different not occur in times probing

(3 marks) In hashing, secondary clustering occurs when different keys have the same linear probing sequence in a hash table. Which strategy would you choose to effectively address this type of clustering. Explain your choice.

Double Hashing: Reduced cluster

efficient space intilization

Note: If the secondary bash function is poorly designed and lead to clustering itself it may not provide significant improvements over linear perobing.