1) (a) would make the best hash function for an 11-digit account number. (b) wouldn't be because for any 4-number combination in the positions 2, 4, 6, and 8, there are still 10 possibilities for each digit which equals 10^7 possibilities for any single cell. (c) wouldn't make the best hash function because no matter what the 11-digit account number is, all the keys will be mapped to 11. (a) would be the best because there isn't 10^7 possibilities for a single cell.









