1) The minimum distance in terms of communication links between A and B is given by H(A, B). The Hamming distance is defined for bit strings as the # of 1 bits in the Xor between two bit Strings (Via. Wikipedia). For example. A = 1002 = 10000111 = 011 = 2Because each bit represents a distance of one redge along a dimension, the number OF 1's in the result is the distance. IF two nides share one or more axis they will have those bits in common, and therefore yield o bits in the result; else they will differ and vield 1 bits. This is all that needs to be Considered in lieu of the assumption of minimal and deterministic routing on p.67 of the text.