Algorithms Hamming Distance Worksheet

You are given the following set of binary strings that are 5 bits long.

{10110, 11010, 11110, 01110}

1.	Use the exhaustive	approach	to find	the 5 bit	long	binary	string	that	minimizes	the	maximum	hamming	distance	for
	the given set.													

2. Use the greedy-heuristic algorithm to approximate the binary string? Are they different, if so what is the hamming distance between the strings generated by the exhaustive and greedy-heuristic approaches