

1A This will recursively create all combinations of the input array. For each combination it checks if the combo has been printed already and the sum. If the combo is unique and the sum equals the target then it prints the combo and adds the the combo to a list.

1C The time complexity is $O(2^N)$ This is a NP hard problem

2A Start by sorting both the hunger level and biscuit size arrays in descending order. Iterate over the dogs starting from the most hungry to least hungry. Then try the biggest biscuit checking if it can satisfy this dog. Repeat until either all biscuits have been used or all dogs have been fed.

2C This will require sorting both arrays and moving through them so the time complexity is $O(n \log(n))$