Resources:

<https://github.com/donnemartin/system-design-primer#company-engineering-blogs>

Algorithms:

* For recursive if count sum ALWAYS use the weight+<recursive call>
* If it needs to check if we reach leaves then pass the sum as additional argument
* For DP use recursive solutuion with memorization.
* For DP if it needs to find sum or then it will be range [-sum , +sum] in the dp table
* For recursive call it needs to make as number calls as there is branches in algorithms.
* For DP we can use as LIS approach Lis[i] = max(Lis[i], Lis[j] + 1) j < I and if we have some difference we can use dp[arr[i]] = dp[arr[j]- diff] + 1