1. https://leetcode.com/problems/letter-combinations-of-a-phone-number/submissions/
2. https://www.geeksforgeeks.org/count-pairs-in-a-sorted-array-whose-product-is-less-than-k/
3. Given a set of nonnegative distinct integers, and a value K, find out number of subsets of the given set with sum divisible by K using exactly M integer elements of array.

   It can be done using 3 state dp.I
   dp[i][j][k] = number of subset till i index using j number of elements in current subset and k as current modulo.

```
long solve (int i,int j,int k)
{
        if(j==M)
                return k==0;
        if(i==n)
                return 0;
        if(dp[i][j][k
]!=-1)
                return dp[i][j][k];   return dp[i][j][k] = solve(i+1,j,k) +
solve(i+1,j+1,(k+a[i])%K);
}
```