Recursion

Input:

First line: n, a number (1<=n<=10).

Output:

Each line will contain a list of space-separated digits where,

- . The list contains n digits.
- The digits in the list are 0-4 (inclusive)
- . The odd indexed digit in the list is an odd digit
- The even indexed digit in the list is an even digit

The lists will be printed in sorted order. Example: {0, 1, 0} before {0, 1, 2}.

```
void func(int cur[], int l, int sz)
if(l==sz){
     for(int i =0;i<sz;i++){</pre>
          if (i!=0)
              cout << ";
          cout << cur[i];
     cout << endl;
     return;
for (int i = 0; i < 5; i++) {
     if (1\%2!=i\%2) continue;
     cur[l] = i;
     func (cur, l+1, sz);
```

Permutations of "ABC"

ABC

ACB

BAC

BCA

CBA

CAB