<u>hw 10 pseudocode</u>

given an array of #s
   get length of array
   start with empty string = pre
   recursively call main function while k = k-1
   and set ~~comp~~ pre = pre + str(array[i])
   this will convert array of int to str.

```
def print_comb (array, k)
      n = len (array)
      print_comb_recursively (array, " ", n, k)

def print_comb_recursively (array, pre, n, k)
   if (k == 0)    //after recursive call is finished, print output
      print(pre)
      return

   for i in range of n        //recursive call
          pre = pre + str(array[i])   //convert digits to str? and add to string
          call original function but with (k-1)
```

example
   array = [1,4]
   k = 3
1. pre = " " ⇒ 1 ⇒ 11 ⇒ 111
2. pre = " " ⇒ 1 ⇒ 11 ⇒ 114
            1 ⇒ 14 ⇒ 141
            ⋮