Did not complete last part, could not figure it out.

```
In [1]: def fac(n):
            if n < 0:
                return -1
            elif n == 0:
                return 1
            else:
                return n * fac(n - 1)

        fac(24)
```

Out[1]: 620448401733239439360000

```
In [2]: def comboNoRep(n,k):
            x = ((fac(n))/(fac(k) * fac(n-k)))
            return x
        comboNoRep(8,5)
```

Out[2]: 56.0

```
In [3]: def permutations(n,r):
            c = 1
            for z in range(r):
                c = n * c

            return c
        D = set(['a','b','c','d'])

        permutations(len(D),2)
```

Out[3]: 16

```
In [8]:  p = 1
         n = 5
         d = 10
         q = 25
         f = 50

         w = 0
         s = 0
         z = 0
         y = 0
         x = 0

         pamt = 0
         namt = 0
         damt = 0
         qamt = 0
         famt = 0

         T = 99

         def fifty(o):
             w =+ 1
             o = T-f
             return o

         def twentyfive(o):
             s =+ 1
             o = T - q
             return o

         while(T > 0):
             if(T%f != 0):
                 T = fifty(T)
                 pass
             if(T%q != 0):
                 T = twentyfive(T)
```

In [ ]: