No Leading Zeros

```
- def compile_formula(formula, verbose=False):
      """Compile formula into a function. Also return letters found
     in same order as parms of function. The first digit of a mult
     number can't be 0. So if YOU is a word in the formula, and tl
     is called with Y egal to 0, the function should return False
     # modify the code in this function.
     letters = ''.join(set(re.findall('[A-Z]', formula)))
     firstletters = set(re.findall(r'\b([A-Z])[A-Z]', formula))
     parms = ', '.join(letters)
     tokens = map(compile_word, re.split('([A-Z]+)', formula))
     body = ''.join(tokens)
     if firstletters:
         test = ' and '.join(L+'!=0' for L in firstletters)
         body = '%s and (%s)' % (test, body)
     f = 'lambda %s: %s' % (parms, body)
     if verbose: print f
     return eval(f), letters
```

Floor Puzzle

```
import itertools

def floor_puzzle():
    floors = bottom,_,_,,top=[1,2,3,4,5]
    orderings=list(itertools.permutations(floors))

for (Hopper,Kay,Liskov,Perlis,Ritchie) in orderings:
    if(Hopper is not top
        and Kay is not bottom
        and Liskov is not top
        and Liskov is not bottom
        and Perlis > Kay
        and abs(Ritchie - Liskov)>1
        and abs(Liskov - Kay)>1):
        return [Hopper, Kay, Liskov, Perlis, Ritchie]

print floor_puzzle()
```

Subpalindrome