```
In [118]: (**)
Out[118]: [(1, 1), (2, 1), (3, 1), (1, 2), (2, 2), (3, 2), (1, 3), (2, 3), (3, 3)]
        # Problem 4
In [129]: def longestWord(wordlist):
    result = ""
            max_length = 0
            for word in wordlist:

if (len(word) > max_length):

result = word
                  max_length = len(word)
            else:
              return result
In [130]:
Out[130]: 'Function'
In [146]: class Triangle:
            def __init__(self,s,a,b,c):
              self.s = s
self.a = a
               self.b = b
               self.c = c
               area = (self.s*(self.s-self.a)*(self.s-self.b)*(self.s-self.c)) ** 0.5
In [147]: a = Triangle(5,10,3,15)
In [148]: a.area()
Out[148]: 22.360679774997898
In [154]: class Triangle:
    def __init__(self,base,height):
              self.height = height
            def area(self):
              area = (self.base * self.height) ** 0.5
In [155]: a = Triangle(5,10)
        a.area()
Out[155]: 7.0710678118654755
In [156]: def filter_long_words(words,n):
            result = []
for word in words:
              if len(word) > n:
                 result.append(word)
               return result
In [159]:
Out[159]: ['aa', 'bbb', 'ccc', 'ddd']
In [190]:
Out[190]: [2, 3, 3]
return True
              return False
In [198]: isVowel('a')
Out[198]: True
In [199]: isVowel('b')
Out[199]: False
```