

# AI-ACM SIG TASKS

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BATCH: AIE & B-BATCH

## The Minion Game

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### The Minion Game

Problem

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Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4	✓	Test Case #5
✓	Test Case #6	✓	Test Case #7	✓	Test Case #8
✓	Test Case #9	✓	Test Case #10	✓	Test Case #11
✓	Test Case #12	✓	Test Case #13	✓	Test Case #14

### Submitted Code

Language: PyPy3

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```
1 def minion_game(s):
2     p1 = 0
3     p2 = 0
4     vowels = ['A','E','I','O','U']
5
6     for i in range(len(s)):
7         if s[i] in vowels:
8             p1 = p1 + (len(s) - i)
9         else:
10            p2 = p2 + (len(s) - i)
11
12
13     if (p1 > p2):
14         print('Kevin', p1)
15
16
17     elif (p1 < p2):
18         print('Stuart', p2)
19
20
21     elif(p1==p2):
22         print('Draw')
23
```

# Merge the Tools!

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## Merge the Tools!

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✓	Test Case #9	✓	Test Case #10	✓	Test Case #11
✓	Test Case #12	✓	Test Case #13	✓	Test Case #14
✓	Test Case #15	✓	Test Case #16		

### Submitted Code

Language: PyPy3

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```
1 def merge_the_tools(string, k):
2     n = len(string)
3     lst1 = []
4
5     for i in range(0,n,k):
6         s = ""
7         for j in range(k):
8             s += string[i+j]
9         lst1.append(s)
10
11    for wd in lst1:
12        m = ""
13        for j in range(k):
14            if wd[j] not in m:
15                m += wd[j]
16    print(m)
```

# Regex Substitution

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## Regex Substitution

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Test Case #0



Test Case #1



Test Case #2



Test Case #3



Test Case #4



Test Case #5



Test Case #6



Test Case #7



Test Case #8

### Submitted Code

Language: PyPy3

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```
1 import re
2
3 def function(match):
4     if match.group(1) == '&&':
5         return 'and'
6     else:
7         return 'or'
8
9 x = int(input())
10 for _ in range(x):
11     print(re.sub(r"(?<= )(\|\\|&&)(?>= )", function, input()))
```

# Words Score

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## Words Score

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Status: **Accepted**



Test Case #0



Test Case #1



Test Case #2



Test Case #3



Test Case #4



Test Case #5



Test Case #6



Test Case #7



Test Case #8



Test Case #9



Test Case #10



Test Case #11

## Submitted Code

Language: Python 3

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```
1 def is_vowel(letter):
2     return letter in ['a', 'e', 'i', 'o', 'u', 'y']
3
4 def score_words(words):
5     s = 0
6
7     for w in words:
8         num = 0
9         for letter in w:
10             if is_vowel(letter):
11                 num += 1
12             if num % 2 == 0:
13                 s += 2
14         else:
15             s += 1
16     return s
```

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# Reduce Function

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## Reduce Function

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Discussions

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Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4	✓	Test Case #5
✓	Test Case #6	✓	Test Case #7	✓	Test Case #8
✓	Test Case #9	✓	Test Case #10		

### Submitted Code

Language: PyPy3

Open in editor

```
3 def product(fracs):
4     t = Fraction(reduce(lambda x, y: x * y, frags))
5     return t.numerator, t.denominator
```