

syllable.py

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def isVow(ch):
    if(ch=='a' or ch=='e' or ch=='i' or ch=='o' or ch=='u' or ch=='y'):
        return True;
    else:
        return False;

def checkSpecialCase(l1, l2):
    if(l1=='t' and l2 == 'h'):
        return True
    if(l1=='s' and l2 == 'h'):
        return True
    return False

def buildSyllable(word, result, csyll, cpos, size):
    if(cpos == size):
        result.append(csyll)
        return result
    if(isVow(word[cpos])):
        csyll += word[cpos]
        return findNextVowel1(word, result, csyll, cpos, cpos+1, size)
    else:
        csyll += word[cpos]
        return buildSyllable(word, result, csyll, cpos+1, size)

def findNextVowel1(word, result, csyll, lastVowel1, cpos, size):
    if(cpos == size):
        if(lastVowel1+1 < size):
            csyll = csyll + word[lastVowel1+1:size]
            result.append(csyll)
            return result
    if(cpos==lastVowel1+1 and isVow(word[cpos])):
        csyll += word[cpos]
        return findNextVowel1(word, result, csyll, cpos, cpos+1, size)
    if(isVow(word[cpos])):
        end = (lastVowel1 + cpos + 1)/2
        if(end < size and checkSpecialCase(word[end-1], word[end])):
            end += 1
        csyll += word[lastVowel1+1:end]
        result.append(csyll)
        return buildSyllable(word, result, '', end, size)
    else:
        return findNextVowel1(word, result, csyll, lastVowel1, cpos+1, size)

def syllable(word):
    return buildSyllable(word, [], '', 0, len(word))
```