

```
words = dict()
```

```
def create_dictionary(fn):  
    with open(fn, encoding='utf-8') as dictionary_file:  
        for line in dictionary_file:  
            key = line[0]  
            if key in words.keys():  
                words[key] += [line[:-1]]  
            else: words[key] = [line[:-1]]
```

```
def create_alternade(w,n):  
    res = []  
    for i in range(n): res += [w[i::n]]  
    return res
```

```
def alternade_generator(fn,n):  
    create_dictionary(fn)  
  
    with open(fn, encoding='utf-8') as dictionary_file:  
        for line in dictionary_file:  
            if len(line[:-1]) >= n:  
                alternade = create_alternade(line[:-1], n)  
                if all([(a in words[a[0]]) for a in alternade]):  
                    yield line[:-1], alternade
```