

client?

```
def find_bad_articles(bucket_name, predicate, client):  
    for page in get_pages(client, bucket_name, config.PREFIX):  
        for key in keys_from(page):  
            lines = get_file(client, bucket_name, key)  
            if predicate(lines):  
                yield key
```

get_pages, get_file...?

```
def find_bad_articles(bucket_name, predicate):  
    client = boto3.client('s3', region_name=config.REGION_NAME)  
    for page in get_pages(client, bucket_name, config.PREFIX):  
        for key in keys_from(page):  
            lines = get_file(client, bucket_name, key)  
            if predicate(lines):  
                yield key
```