

2020IR HW3

使用 python 實作

```
num_query = input()
all_score = 0.0
for i in range(int(num_query)):
    score = 0.0
    find_list = [] ## all list
    pred_list = [] ## all pred score
    pos_list = [] ## all score changed pos
    relevant_list = {} ## all relevant
    all_find = input() ##所有query結果
    all_find_split = all_find.split() ## list all find
    for j in all_find_split:
        find_list.append(j) ## 建list
        pred_list.append(0)
    relevant = input()
    all_relevant_split = relevant.split() ## list all find
    for j in all_relevant_split:
        relevant_list[j] = 0 ## 建dict 比較好查找
    now_pos = 0
    correct = 0 ##對幾個
    count = 0

    for j in range(len(find_list)):
        count += 1
        if(find_list[j] in relevant_list):
            correct += 1
            for k in range(count-now_pos):
                pred_list[now_pos+k] = correct/count
            now_pos = j+1
            pos_list.append(j)
    for j in range(len(pos_list)):
        score += pred_list[pos_list[j]]
    if len(pos_list)!=0:
        score /= len(all_relevant_split)
    all_score += score
all_score/=int(num_query)
print(round(all_score,4))
```