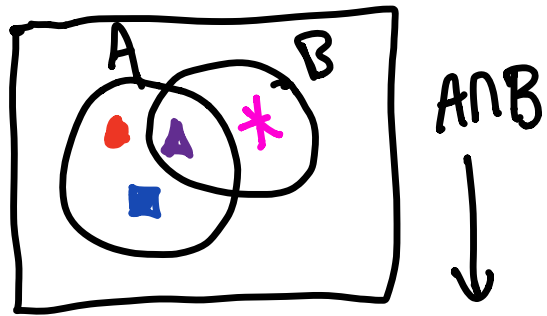


```
def intersection(A, B):
    ...

    ...

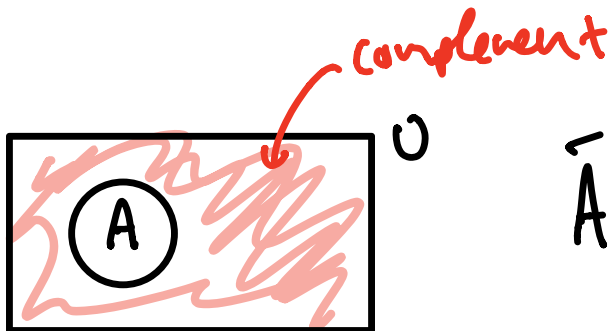
    inBoth = []
    for a in A:
        if a in B:
            inBoth.append(a)
    return set(inBoth)
```



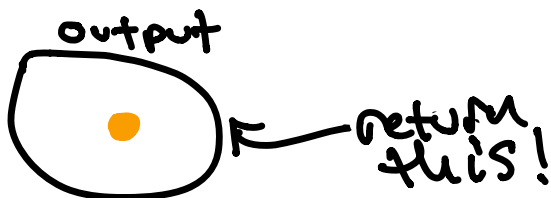
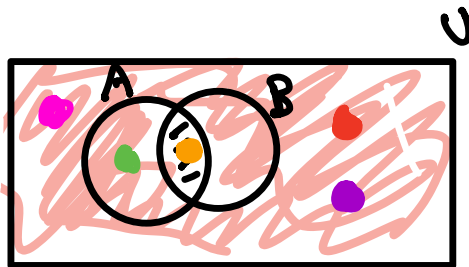
$A = \{\bullet, \blacksquare, \blacktriangle\}$

1. $\bullet \Rightarrow$ is it in B? No
2. $\blacksquare \Rightarrow$ is it in B? No
3. $\blacktriangle \Rightarrow$ is it in B? Yes!

$InBoth = []$
 $InBoth = []$
 $InBoth = [\blacktriangle]$
 return $InBoth$



$\bar{A} = \text{complement}$



For each element in U:
 is it in the intersection?

add to output

Pass