2) T = int(input())

```
for i in range(T):
    l = list(map(int,input().split()))
    a = set(l)
    if(len(a)==4)
    print(2)
    elif(len(a)==3):
    print(2)
    elif(len(a)==2):
    l.sort()
    b=l[0]
    if(l.count(b)==2):
    print(2)
    else:
    print(1)
    else:
    print(0)
```

difficulty level of problems.

3) # Checking 2 dates.

```
import datetime
d1, m1, y1 = [int(x) for x in input("Enter Date: ").split('/')]
b1 = date(y1, m1, d1)
d2, m2, y2 = [int(x) for x in input("Enter Date 2: ").split('/')]
b2 = date(y2, m2, d2)
if b1 == b2:
    print("Dates are equal")
elif b1 > b2
    print("Date 2 is greater")
else:
    print("Date 1 is greater")
```

4)

```
x = int(input("enter distance 1 in km "))
y = int(input("enter distance 1 in m "))
y = y/1000
z = x + y
a = int(input("enter distance 2 in km"))
b = int(input("enter distance 2 in m"))
b = b/1000
c = a + b
d = z + c
e = z * c
f = z/c
print("Sum of distances =", d, "km")
print("product of distances=", e, "km**2")
print("quotient of distances=", f, "")
```

3 m
3/1000
1 km = 1
3

```
Class Box
    def __init__(self, l, b, d):
        self.l = l
        self.b = b
        self.d = d
    def display(self):
        print("Details of Box are :")
        print("Length", self.l)
        print("breadth", self.b)
        print("depth", self.d)
Class WeightBox(Box)
    def __init__(self, l, b, d, w):
        Box.__init__(self, l, b, d)
        self.w = w
    def display(self):
        print("Details of Box are:")
        print("length", self.l)
        print("breadth", self.b)
        print("depth", self.d)
        print("weight", self.w)
Class Colorweightbox(WeightBox)
    def __init__(self, l, b, d, w, c):
        WeightBox.__init__(self, l, b, d, w)
        self.c = c
    def display(self):
        print("Details of Box are:")
```

```
        print ("length", self.l)
        print ("breadth", self.b)
        print ("depth", self.d)
        print ("weight", self.w)
        print ("color", self.c)

cb = colourweightbox (10, 15, 20, 40, "blue")
cb.display ()
```