Problem: 5

IPO

Input:

Crop type, Soil Moisture, Rain Status

Process:

Check the crop type.

- If it is rice then the Soil moisture should be Less then 25% and there should be rain in last 24 hours then Land is good
- Else if crop is wheat then check Soil moisture should be less than 30% and there should be rain in last 24 hours then Land is good
- Else if crop is Corn then check soil moisture should be less than 40% then Land is good
- Else

   Crop Not Found

Output:

Irrigation is Possible or Not

```
If
    a == Rice Then
        If
            b <= 25% Then
                If
                    c in last 24 hour is "True" Then
                        Print "Irrigation is · Possible
                Else
                    Print " Irrigation is Not Possible"
        Else
            Print "Irrigation is Not Possible"
Else If
        a == Wheat Then
            If
                b <= 30% Then
                    If
                        c in last 24 hour is "True" Then
                        Print "Irrigation is Possible"
                    Else
                        Print "Irrigation is Not Possible"
            Else
                Print "Irrigation is Not Possible"
Else If
        a == Corn Then
            If
                b <= 40% Then
                Print "Irrigation is Possible"
            Else
                Print "Irrigation is Nlot Possible"
```

```
Else
    Print "Not Found"
End
```

Date:

```
                    ( Start )
                        |
                        v
          +--------------------------+
          | a := Crop Type           |
          | b := Soil Moisture       |
          | c := Rain Status         |
          +--------------------------+
                        |
                        v
               / a, b & c /
                        |
                        v
```

a == Rice --No--> a == wheat --No--> a == Corn --No--> Not Found

Yes (Rice), Yes (wheat), Yes (Corn)

b < 25%, b < 30%, b < 40%

Irrigation is Not Possible

c in last 24 hour

No

Yes

Irrigation is Possible

(End)