

Problem 5 : Crop Management.

IPO

Input	Process	Output
<ul style="list-style-type: none">• Type of crop• Soil moisture level• Whether it rained in last 2 days or not	For Wheat : <i>soil moisture below 30% and it has not rained in the last 24 hours</i> : irrigate the soil. <i>Otherwise</i> : do not irrigate the soil. For Corn : <i>soil moisture below 40%</i> : Irrigate the soil. <i>Otherwise</i> : do not irrigate the soil. For Rice : <i>soil moisture below 25% and it has not rained in the last 24 hours</i> : irrigate the soil. <i>Otherwise</i> : do not irrigate the soil.	Soil irrigation at the correct time.

PSEUDOCODE

Start

// Input

 Type of crop

 Soil moisture level

 Whether it rained in last 2 days or not

// Process

 If (Type of crop = "Wheat") then

 if (Soil moisture level < 30)then

 If (rain = "no") then

 Irrigate the land

 Else

 Do not Irrigate the land

 End if

 Else

 Do not Irrigate the land

 End if

 Else if (Type of crop = "Corn") then

 if (Soil moisture level < 40)then

 Irrigate the land

 Else

 Do not Irrigate the land

 End if

 Else if (Type of crop = "Rice") then

 if (Soil moisture level < 25)then

 If (rain = "no") then

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                Irrigate the land
            Else
                Do not Irrigate the land
            End if
        Else
            Do not Irrigate the land
        End if
    Else
        Print "invalid input."
    End if
End
```