' TAILSWAPS

Sub xTAILSWAP()

Dim wsSwap As Worksheet

Dim ws5 As Worksheet

Dim cell As Range

Dim value As String

Dim values() As String

Dim cleanValue As String

Dim searchRange As Range

Dim matchCell As Range

Dim val As Variant ' Variable to hold individual numbers

Dim pasteCell As Range ' Variable to hold the cell where the paste occurs

Dim sourceValue As Variant ' Variable to hold the value from column D of the SWAP sheet

Dim proceed As VbMsgBoxResult ' Variable to hold the user's response

' Prompt the user if they want to proceed with the Swap Tail

proceed = MsgBox("Swap Tails?", vbYesNo, "Swap Tails")

' Check if the user wants to proceed

If proceed = vbYes Then

' Specify the worksheets

Set wsSwap = ThisWorkbook.Sheets("S&P") 'Change "Sheet1" to the swap sheet.

Set ws5 = ThisWorkbook.Sheets("1") 'Change "Sheet2" to today's gate sheet.

' Loop through each cell in column C of the "SWAP" sheet, starting from row 3

For Each cell In wsSwap.Range("C3:C" & wsSwap.Cells(wsSwap.Rows.Count, "C").End(xlUp).row)

' Get the value of the cell

value = cell.value

' Split the value based on commas, backslashes, or hyphens

values = Split(value, ",/\-")

' Loop through each individual number

For Each val In values

' Remove non-numeric characters from the value

cleanValue = ""

For i = 1 To Len(val)

If IsNumeric(Mid(val, i, 1)) Then

cleanValue = cleanValue & Mid(val, i, 1)

End If

Next i

' Copy the value from column A in the same row

wsSwap.Cells(cell.row, "A").Copy

' Look for matching values in column B of the "5" sheet

Set searchRange = ws5.Range("B:B")

Set matchCell = searchRange.Find(What:=cleanValue, LookIn:=xlValues, LookAt:=xlWhole)

' If a match is found, paste the copied value in column C of the "5" sheet

If Not matchCell Is Nothing Then

' Paste the value

matchCell.Offset(0, 1).value = wsSwap.Cells(cell.row, "A").value

' Set the cell where the paste occurs

Set pasteCell = matchCell.Offset(0, 1)

' Add a thick outside border to the paste cell in column C

With pasteCell.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.Weight = xlThick

End With

With pasteCell.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.Weight = xlThick

End With

With pasteCell.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.Weight = xlThick

End With

With pasteCell.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.Weight = xlThick

End With

' Copy the value from column D in the same row in the SWAP sheet

If Not IsEmpty(wsSwap.Cells(cell.row, "D")) Then

sourceValue = wsSwap.Cells(cell.row, "D").value

' Paste the value into column D of the "5" sheet in the same row

pasteCell.Offset(0, 1).value = sourceValue

' Add a thick outside border to the paste cell in column D

With pasteCell.Offset(0, 1).Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.Weight = xlThick

End With

With pasteCell.Offset(0, 1).Borders(xlEdgeTop)

.LineStyle = xlContinuous

.Weight = xlThick

End With

With pasteCell.Offset(0, 1).Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.Weight = xlThick

End With

With pasteCell.Offset(0, 1).Borders(xlEdgeRight)

.LineStyle = xlContinuous

.Weight = xlThick

End With

End If

End If

Next val

Next cell

MsgBox "Done.", vbInformation

Else

MsgBox "Okay.", vbInformation

End If

End Sub

' GATE CHANGE

Sub xGATECHANGE()

Dim wsSwap As Worksheet

Dim ws5 As Worksheet

Dim cell As Range

Dim value As String

Dim values() As String

Dim cleanValue As String

Dim searchRange As Range

Dim matchCell As Range

Dim val As Variant ' Variable to hold individual numbers

Dim pasteCell As Range ' Variable to hold the cell where the paste occurs

Dim sourceValue As Variant ' Variable to hold the value from column D of the SWAP sheet

Dim proceed As VbMsgBoxResult ' Variable to hold the user's response

' Prompt the user if they want to proceed with the Swap Tail

proceed = MsgBox("Change Gate?", vbYesNo, "Change Gate")

' Check if the user wants to proceed

If proceed = vbYes Then

' Specify the worksheets

Set wsSwap = ThisWorkbook.Sheets("S&P") 'Change "Sheet1" to the swap sheet.

Set ws5 = ThisWorkbook.Sheets("1") 'Change "Sheet2" to today's gate sheet.

' Loop through each cell in column C of the "SWAP" sheet, starting from row 3

For Each cell In wsSwap.Range("C3:C" & wsSwap.Cells(wsSwap.Rows.Count, "C").End(xlUp).row)

' Get the value of the cell

value = cell.value

' Split the value based on commas, backslashes, or hyphens

values = Split(value, ",/\-")

' Loop through each individual number

For Each val In values

' Remove non-numeric characters from the value

cleanValue = ""

For i = 1 To Len(val)

If IsNumeric(Mid(val, i, 1)) Then

cleanValue = cleanValue & Mid(val, i, 1)

End If

Next i

' Copy the value from column D in the same row

sourceValue = wsSwap.Cells(cell.row, "D").value

' Look for matching values in column B of the "5" sheet

Set searchRange = ws5.Range("B:B")

Set matchCell = searchRange.Find(What:=cleanValue, LookIn:=xlValues, LookAt:=xlWhole)

' If a match is found, paste the source value into column D of the "5" sheet

If Not matchCell Is Nothing Then

' Paste the value into column D of the "5" sheet in the same row

matchCell.Offset(0, 2).value = sourceValue ' Offset by 2 columns to paste in Column D

' Add a thick outside border to the paste cell in column D

With matchCell.Offset(0, 2).Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.Weight = xlThick

End With

With matchCell.Offset(0, 2).Borders(xlEdgeTop)

.LineStyle = xlContinuous

.Weight = xlThick

End With

With matchCell.Offset(0, 2).Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.Weight = xlThick

End With

With matchCell.Offset(0, 2).Borders(xlEdgeRight)

.LineStyle = xlContinuous

.Weight = xlThick

End With

End If

Next val

Next cell

MsgBox "Done.", vbInformation

Else

MsgBox "Okay.", vbInformation

End If

End Sub

'Priority Script

Sub xPRIORITY()

Dim wsSwap As Worksheet

Dim ws5 As Worksheet

Dim cell As Range

Dim value As String

Dim cleanValue As String

Dim matchCell As Range

Dim pasteCell As Range

Dim addPriority As VbMsgBoxResult

' Set worksheet references

Set wsSwap = ThisWorkbook.Sheets("S&P") 'Change "Sheet1" to the swap sheet.

Set ws5 = ThisWorkbook.Sheets("1") 'Change "Sheet2" to today's gate sheet.

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' Ask the user if they want to add priorities

addPriority = MsgBox("Do you want to add PRIORITY to the matched rows?", vbYesNo, "Add PRIORITY")

' If the user chooses not to add priorities, exit the sub

If addPriority = vbNo Then Exit Sub

' Loop through each cell in column I of the "SWAP" sheet starting from row 3

For Each cell In wsSwap.Range("I3:I" & wsSwap.Cells(wsSwap.Rows.Count, "I").End(xlUp).row)

' Get the value of the cell

value = cell.value

' Identify 3 to 4-digit numbers in the cell

cleanValue = ""

For i = 1 To Len(value)

If IsNumeric(Mid(value, i, 1)) Then

cleanValue = cleanValue & Mid(value, i, 1)

End If

Next i

' Look for matching values in column B of the "5" sheet

Set matchCell = ws5.Columns("B").Find(What:=cleanValue, LookIn:=xlValues, LookAt:=xlWhole)

' If a matching value is found, paste "PRIORITY" in column N of the "5" sheet

If Not matchCell Is Nothing Then

' Set the paste cell in column N of the "5" sheet

Set pasteCell = ws5.Cells(matchCell.row, "N")

' Check if the paste cell already has a value

If Len(pasteCell.value) > 0 Then

' If there's already a value, concatenate "PRIORITY" after the existing value, delimited by a backslash

pasteCell.value = pasteCell.value & " / PRIORITY"

Else

' Otherwise, simply paste "PRIORITY"

pasteCell.value = "PRIORITY"

End If

End If

Next cell

End Sub