Sub 중복품번차분강조\_최종()

' 팝업 및 이벤트 비활성화

Application.DisplayAlerts = False

Application.ScreenUpdating = False

Application.EnableEvents = False

Application.AskToUpdateLinks = False

Application.CutCopyMode = False

On Error GoTo ExitPoint

Dim ws As Worksheet

Set ws = ThisWorkbook.Sheets(1)

Dim lastRow As Long

lastRow = ws.Cells(ws.Rows.Count, 1).End(xlUp).Row

' 기존 시트 삭제 및 새 시트 생성

Dim tempWs As Worksheet

On Error Resume Next

Worksheets("정렬결과").Delete

On Error GoTo 0

Set tempWs = Worksheets.Add

tempWs.Name = "정렬결과"

' P1, P2 시작 품번의 B열 값 수집

Dim p1p2Dict As Object: Set p1p2Dict = CreateObject("Scripting.Dictionary")

Dim p3Dict As Object: Set p3Dict = CreateObject("Scripting.Dictionary")

Dim i As Long, bKey As String, typeCode As String

For i = 3 To lastRow

bKey = CStr(ws.Cells(i, 2).Value)

typeCode = Left(ws.Cells(i, 15).Value, 2)

If typeCode = "P1" Or typeCode = "P2" Then

If Not p1p2Dict.Exists(bKey) Then p1p2Dict.Add bKey, True

ElseIf typeCode = "P3" Then

If Not p3Dict.Exists(bKey) Then p3Dict.Add bKey, New Collection

p3Dict(bKey).Add i

End If

Next i

' P1/P2에 포함된 B값 제거한 P3만 필터링

Dim filteredDict As Object: Set filteredDict = CreateObject("Scripting.Dictionary")

Dim keyVar As Variant

For Each keyVar In p3Dict.Keys

If Not p1p2Dict.Exists(keyVar) Then

filteredDict.Add keyVar, p3Dict(keyVar)

End If

Next

' 그룹 정렬용 배열 준비

Dim groupCount As Long: groupCount = filteredDict.Count

Dim groupArray() As Variant

ReDim groupArray(1 To 3, 1 To groupCount)

Dim index As Long: index = 1

For Each keyVar In filteredDict.Keys

Dim firstRow As Long: firstRow = filteredDict(keyVar)(1)

Dim 기준문자 As String: 기준문자 = Mid(ws.Cells(firstRow, 15).Value, 3, 1)

groupArray(1, index) = keyVar

groupArray(2, index) = 기준문자

Set groupArray(3, index) = filteredDict(keyVar)

index = index + 1

Next

' 그룹 기준문자 기준 오름차순 정렬

Dim j As Long, temp1 As Variant, temp2 As Variant, temp3 As Variant

For i = 1 To groupCount - 1

For j = i + 1 To groupCount

If groupArray(2, i) > groupArray(2, j) Then

temp1 = groupArray(1, i): temp2 = groupArray(2, i): Set temp3 = groupArray(3, i)

groupArray(1, i) = groupArray(1, j): groupArray(2, i) = groupArray(2, j): Set groupArray(3, i) = groupArray(3, j)

groupArray(1, j) = temp1: groupArray(2, j) = temp2: Set groupArray(3, j) = temp3

End If

Next j

Next i

' 헤더 복사

Dim lastCol As Long

lastCol = ws.Cells(1, ws.Columns.Count).End(xlToLeft).Column

ws.Range(ws.Cells(1, 1), ws.Cells(2, lastCol)).Copy Destination:=tempWs.Range("A1")

' 출력 및 강조/병합

Dim rowIndex As Long: rowIndex = 3

Dim rowList As Collection, srcRow As Long, count As Long

For i = 1 To groupCount

Set rowList = groupArray(3, i)

count = rowList.Count

Dim startRowIndex As Long: startRowIndex = rowIndex

Dim mHighlight As Boolean: mHighlight = False

Dim nHighlight As Boolean: nHighlight = False

' M/N 값 확인

For j = 1 To count

If Val(ws.Cells(rowList(j), 13).Value) <> 0 Then mHighlight = True

If Val(ws.Cells(rowList(j), 14).Value) <> 0 Then nHighlight = True

Next j

' 행 복사

For j = 1 To count

srcRow = rowList(j)

ws.Rows(srcRow).Copy Destination:=tempWs.Rows(rowIndex)

If count > 1 Then tempWs.Cells(rowIndex, 2).Interior.Color = RGB(255, 192, 203)

rowIndex = rowIndex + 1

Next j

' M 강조

If mHighlight Then

For j = startRowIndex To rowIndex - 1

With tempWs.Cells(j, 13)

.Interior.Color = RGB(255, 255, 0)

.Font.Color = RGB(255, 0, 0)

.Font.Bold = True

End With

Next j

End If

' N 강조

If nHighlight Then

For j = startRowIndex To rowIndex - 1

With tempWs.Cells(j, 14)

.Interior.Color = RGB(255, 255, 0)

.Font.Color = RGB(255, 0, 0)

.Font.Bold = True

End With

Next j

End If

' M 병합

Dim firstM As Variant: Dim sameM As Boolean: sameM = True

If rowIndex > startRowIndex Then

firstM = tempWs.Cells(startRowIndex, 13).Value

For j = startRowIndex + 1 To rowIndex - 1

If tempWs.Cells(j, 13).Value <> firstM Then sameM = False: Exit For

Next j

If sameM And (rowIndex - startRowIndex) > 1 Then

With tempWs.Range(tempWs.Cells(startRowIndex, 13), tempWs.Cells(rowIndex - 1, 13))

.Merge: .HorizontalAlignment = xlCenter: .VerticalAlignment = xlCenter

End With

End If

End If

' N 병합

Dim firstN As Variant: Dim sameN As Boolean: sameN = True

If rowIndex > startRowIndex Then

firstN = tempWs.Cells(startRowIndex, 14).Value

For j = startRowIndex + 1 To rowIndex - 1

If tempWs.Cells(j, 14).Value <> firstN Then sameN = False: Exit For

Next j

If sameN And (rowIndex - startRowIndex) > 1 Then

With tempWs.Range(tempWs.Cells(startRowIndex, 14), tempWs.Cells(rowIndex - 1, 14))

.Merge: .HorizontalAlignment = xlCenter: .VerticalAlignment = xlCenter

End With

End If

End If

Next i

tempWs.Cells.Columns.AutoFit

MsgBox "완료되었습니다! 중복된 P1 또는 P2 품번이 제거된 후 정렬되었습니다.", vbInformation

ExitPoint:

Application.DisplayAlerts = True

Application.ScreenUpdating = True

Application.EnableEvents = True

Application.AskToUpdateLinks = True

Application.CutCopyMode = False

End Sub