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Question

[Scott Roth](#) · May 12, 2021

## Comparing HL7 Repeatable Segment/Field to Lookup table

Awhile back the Developer community helped me with a situation I was having... How to loop through a Repeating Segment and Single Filed, example OBX().5, within a Business Process Rule and compare it against a Data Lookup table.

Well now I need to take it a step further. I need a way to loop through OBR() segment, and loop through OBR().4() and the subfield 4.1 and compare it to a Data Lookup table.

So I thought I could copy my existing function code and add another level to it, but its not returning what I would expect

### ClassMethod

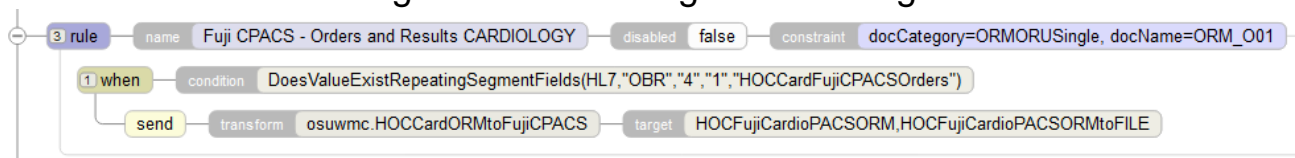
#### DoesValueExistRepeatingSegmentField

```
s(pHL7Msg As EnsLib.HL7.Message, pSegment As %String, pField As %String, pSubField As %String, pLookupTable As %String) As %Boolean
{
```

```
    #dim tSeg as EnsLib.HL7.Segment
    set tSegCount = pHL7Msg.SegCountGet()
    set i = 1
    Set tFound = 0
    //get new values
    set tval=""
    while ((i <= tSegCount) && (tval="")) {
        set tSeg = pHL7Msg.GetSegmentAt(i)
        if (tSeg.Name = pSegment) {
            set pField2 = pField_"(*)"
            $$$LOGINFO(pField2)
            set tRepCount = pHL7Msg.GetValueAt(pField2)
            $$$LOGINFO(tRepCount)
            For tRep = 1:1:tRepCount{
                set tID = tSeg.GetValueAt(pField_"(" _
tRepCount_"_"_"_pSubField)
                set tval= ..Lookup(pLookupTable, tID)
            }
        }
        set i = i + 1
    }
}
```

```
    if (tval != "")
    {
        Q 1
    }
quit 0
}
```

So in a Business Routing Rule I am calling the following...



Can someone look over my [ClassMethod](#) above and double check my code to see why it is not capturing "`tRepCount = pHL7Msg.GetValueAt(pField2)`" `tRepCount` is returning a 0 when it should be at least 1.

Thanks  
Scott

[#Business Rules](#) [#HL7](#) [#ObjectScript](#) [#HealthShare](#)

Product version: HealthShare 2018.1

\$ZV: Cache for UNIX (IBM AIX for System Power System-64) 2018.1.3 (Build 414U) Mon Oct 28 2019 11:24:02 EDT

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Source URL: <https://community.intersystems.com/post/comparing-hl7-repeatable-segmentfield-lookup-table>