

# Validate a custom field "Story Points" has been given a value in Fibonacci sequence

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## Features used to implement the example

- [Boolean validator with math, date-time or text-string terms](#)

## Example: Validate a custom field "Story Points" has been given a value in Fibonacci sequence

We are looking for a functionality that story point fields, which we request users to enter only 1, 2, 3, 5, 8, 13, 21, 34 and 55 as story points. We need to enforce users to enter only these listed values, can we enforce this validation in workflows? When the user enter other than the previous listed values, validation needs to happen and the workflow transition should not be changed, then it needs to throw an error saying : The provided values are not supported.

You can do it easily using [Boolean validator with math, date-time or text-string terms](#) with the following configuration:

**Boolean expression to be evaluated:**Syntax Specification

```
1 {13700} in [1, 2, 3, 5, 8, 13, 21, 34, 55]
```

Logical connectives: **or**, **and** and **not**. Alternatively you can also use **|**, **&** and **!**.

Comparison operators: **=**, **!=**, **>**, **>=**, **<** and **<=**. Operators **~**, **!~**, **in**, **not in**, **any in** and **none in** can be used with **strings**, **multi-valued fields** and **lists**.

Logical literals: **true** and **false**. Literal **null** is used with **"="** and **"!="** to check whether a field is initialized, e.g. **{00012} != null** checks whether **Due Date** is initialized.

**NUMERICAL AND DATE-TIME TERMS**

Numeric and Date-Time field values: insert field codes with format **{nnnnn}**.

Insert Numeric Value

Valid date-time literal formats: **yyyy/MM/dd [hh:mm]** or **yyyy-MM-dd [hh:mm]**. Time literals use format: **hh:mm**. There is a set of [mathematical functions](#) and [time macros and functions](#) available to be used in your expression.

**TEXT-STRING TERMS**

Text-String field values: insert field codes with format **%{nnnnn}** or **%{nnnnn.i}** for referencing levels in cascading select fields (*i* = 0 for base level).

Insert String Value

String literals: written in **double quotes**, e.g., *"This is a string literal."*

String concatenation: use operator **+** to concatenate string values, e.g., *"The summary of issue with key " + %{00015} + " is \"" + %{00000} + "\"."*

Escape character: character **\** is used with characters **"**, **\**, **n**, **r**, **t**, **f** and **b** to invoke an alternative interpretation. There is a set of [string functions](#) available to be used in your expression.

**Message to show when validation fails:**

Boolean expression used is: `{13700} in [1, 2, 3, 5, 8, 13, 21, 34, 55]`

Note that:

- **{13700}** is code for numeric value of custom field **"Story Points"**. This code depends on each particular Jira instance
- Beware not to confuse with **%{13700}**, which is field code that returns a **string** value instead of a numeric value

Once configured, your transition will look like this:

Triggers 0	Conditions 0	Validators 1	Post Functions 6
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The transition requires the following criteria to be valid

Add validator

Only if the following boolean expression is true: **{Story Points} in [1, 2, 3, 5, 8, 13, 21, 34, 55]**  
Message to show when validation fails: **"Value entered for field "Story Points" is not supported. Supported values are 1, 2, 3, 5, 8, 13, 21, 34 and 55."**

## Other examples of that function

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