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Modul:RoundN/Doku

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Usage

This is a module for meta templates such as Vorlage:Tl, Vorlage:Tl, etc. Though originally designed for sports, it can be used to present any tree.

Basic form:

```
{{#invoke:RoundN|main|columns = [number of columns (3 columns for Round8, 4 colu
```

Alternatively, the shorthand form `{{#invoke:RoundN|N16}}` (or any power of 2 between N2 and N512) is equivalent to Vorlage:Code

Parameter List

- Vorlage:Red parameter names are required.
- *italicized* parameter names are required in some cases
- Vorlage:Blue parameter names involve new features not available prior to the release of this module

Parameter name	Description
Vorlage:TOC tab	Number of columns/eliminations (3 columns for Round8, 4 columns for Round16, etc.) **Note** • For `columns` *less than 4* (i.e. Round2-Round8), the 3rd Place match box is hidden by default. For `columns` *greater or equal to 4*, the 3rd Place match box is visible by default. This reflects the behavior of the templates prior to this module's release.

Parameter name	Description
	Vorlage:TOC tab While required for invoking the main function ({{#invoke:RoundN|main|columns=}}), this module has meta functions in the form of 'N##' which can call main with the right Vorlage:Code for you. For example, you may replace `...|main|columns = 7...` with `...|N128 ...`. Valid for N# where # is a power of 2. You must invoke this module directly to use this (vs. a template that already has a columns value). Only works up to N512. If say N1024 ever becomes necessary, call main directly and set Vorlage:Para. PS: Though adding shorthands up to N ~70 trillion would be easy, it would make unnecessary overhead as these meta functions are generated eached time this module is called (granted generating such functions up to ~70 trillion is probably less expensive than making the table for columns = 3).
Vorlage:TOC tab	Unnamed parameters (i.e. a value not prefixed by `[param_name] =`) are read sequentially in groups of 5 such that: **Example 1** Vorlage:Demo Placing each group of 5 on a new line is optional, but does make it easier to read. Also, consider adding the comments such as `<!-- Date-Place/Team 1/Score 1/Team 2/Score 2 -->` on top and `<!-- Finals -->` above the first group of 5 in the finals round, etc.
Vorlage:TOC tab	Set the `style` parameter to add custom CSS to the table. Modul Diskussion:RoundN/testcases/1
Vorlage:TOC tab	For large tables, set Vorlage:Code to the desired height in pixels. Modul Diskussion:RoundN/testcases/1 CSS units are also allowed (i.e. '20em', '30%', etc.).

Parameter name	Description
	Note This works by duplicating the entire table and then using CSS to lock the clone of the table to the top of the div. Conceivably, for extremely large tables, this can result in a significant amount of extra HTML code to download versus if Vorlage:Code is used.
Vorlage:TOC tab	If it is desirable to have the round heading scroll with the table (such as if a larger viewing area is desired), set Vorlage:Code to 'yes' Modul Diskussion:RoundN/testcases/1

Vorlage:TOC tab	If set, boxes for the #th match group will not be shown. Most often used for playoffs or when the number of teams playing in the first round is not a power of 2.
	
	Modul Diskussion:RoundN/testcases/1 Vorlage:TOC tab: The shorthand `|skipmatch = 1-2;4;6-7` will do the same thing as:
	
	`|skipmatch1=yes`
	`|skipmatch2=yes`
	`|skipmatch4=yes`
	`|skipmatch6=yes`
	`|skipmatch7=yes`
	
	Note:
	
	• Unlike in the original templates, this module does not require leading zeroes in this parameter, i.e. skipmatch001 is the same as skipmatch1 (though it may make your template code easier to read if lead with an appropriate number of zeroes).
	• The 5 parameters that would have populated the skipped box will be ignored regardless of value unless `omit_blanks` is set to 'yes' (see below).
	• Previously, skipmatch only worked in the first round. This limitation no longer applies. (See Module talk:RoundN/testcases/3)

Vorlage:TOC tab	

Parameter name	Description
	If `omit_blanks` is set to yes, then all parameters that would have been skipped will instead be shifted to the next non-skipped box. (This is turned off by default because most templates made before the release of this module were required to use empty parameters as placeholders.) Modul Diskussion:RoundN/testcases/1
Vorlage:TOC tab	The Vorlage:Code parameter accepts either Vorlage:Code or Vorlage:Code, which will automatically bold the text of the participant with the *higher* or *lower* score, respectively. In other words, set this to 'low' if the lower score wins and 'high' if the high score wins. **Example 2** Modul Diskussion:RoundN/testcases/2 **Note:** • If entering a score that includes non-numbersVorlage:--such as `3 (6)`, the Semi Final score for team C in the above exampleVorlage:--the module will first remove all non-digit characters and concatenate the rest. For example, `3 (5)` and `3 (6)` would be converted to `35` and `36`, respectively, before being compared. This should be valid for most cases, however, you may override using the `manualboldmatch##` parameter. • If the scores are tied or contain no numbers, then neither will be bolded, however, you may still manually bold them with wikimarkup. • This does not remove any formatting already present.
Vorlage:TOC tab	Modul Diskussion:RoundN/testcases/2 Vorlage:TOC tab The form `manualboldmatch = 1-3;6;9-12` is also available.
Vorlage:TOC tab	Set `|previewnumbers = yes` to show numbers next to each match group (useful for Vorlage:Code and Vorlage:Code) when viewing on the template page.

Parameter name	Description
	Note that these numbers will not appear in article space.
Vorlage:TOC tab	Use `RD#`, replacing # with the desired column such that 1 is the leftmost round and X is the rightmost when `columns = X`. For example: Vorlage:Demo **Note** RD[N+1] = Third Place, and will perform the job of the `Consol` parameter if the latter is omitted, i.e. RD[N+1] is ignored if Consol is true. Also, this alternate name for Consol was not available prior to the release of this module (and is provided because the module's programmer thought 'Consol' was unintuitive).
Vorlage:TOC tab	By default, `|3rdplace=` is set to 'yes' when `columns` is greater than 3 and 'no' otherwise. Override as desired. (See `Consol` if you wish to rename this heading) Vorlage:Demo
Vorlage:TOC tab	Set `Consol=name` to change the 'Third Place' label to 'name'. You may also use the form RD# where # = columns + 1. Vorlage:Demo
Vorlage:TOC tab	Add `|color=yes` Final 7 Gold medalist 3 Silver medalist 2 Third place 8 Bronze medalist 1 0
Vorlage:TOC tab	Set `team-width` to the desired width in pixels. (Default is 170)
Vorlage:TOC tab	Set `score-width` to the desired width in pixels.

Parameter name	Description
	(Default is 30)
Vorlage:TOC tab	Setting `|widescore=yes` is basically equal to `|score-width=40`. Provided for compatibility. Ignored if `score-width` is set.
Vorlage:TOC tab	Set `score-boxes` to the desired number of score boxes per match. (Default is 1). The number can be followed by `+ sum`, which will add one more score box with the sum of all the others. For examples, see test case 5 and test case 6.
Vorlage:TOC tab	Set `|template=yes` if used to create a template for a specific game (add V.T.E. link using Vorlage:Tl).
Vorlage:TOC tab	Set `|flex_tree=yes` to make the brackets more compact. That is, to have less space between matches of the same round.

Node Functions

Vorlage:Ombox

For greater customization, node functions may be added to the parameter usually used for providing match information such as dates and location. Simply insert `node_function{`*`function name`*`}` in the appropriate location. A demonstration of most of the node functions can be found at RoundN/testcases/4.

- **orphan** - Current node is disconnected from all other nodes (no lines will be drawn). One practical use for this may be when the winners of the previous round advance to a different tournament instead of playing each other but the losers still play a consolation match for 3rd place, as per this discussion.

For the next three node functions, the parameters usually used for team names and scores should be omitted if these node functions are used.

- **line** - Current node is omitted and replaced with a horizontal line. Text may be displayed above this line via `node_function{line(`*`text`*`)}` (at some point, the preferred format would be `node_function{line}`*`text`* to match the form of the canvas function though backwards compatibility would probably be maintained). If curly brackets are desired in the text, make sure to escape them with `\`.
- **bridge** - Current node is omitted and replaced with a vertical line.
- **canvas** - Current node is replaced with whatever you want via `node_function{canvas}` *`anything`*

- **heading** - Not yet implemented. Planned node function with the form `node_function {heading(name)}date/location`. Makes a round name heading like for the Consol parameter, but may be placed anywhere, as per the "Elimination Rounds" of RoundN/testcases/6 (which currently renders the planned output of this function without the functions).

Undocumented features

Alas User:Codehydro seriously overbuilt this module and never found the time to document even half the features available. Check out the following examples which may contain some advanced features: Spezial:PrefixIndex/Module talk:RoundN/testcases

Partial List of undocumented params

- no_column_head
- short_brackets
- branch_upwards

Note that some of these features may not have been documented due to incomplete implementation.