

	Back to the top, then. What you have is a solution with zt-whip(BI) of maximal length 17 instead of:
	- no solution with only nrczt-whips
	- a solution with nrczt-braids of maximal length 26 (Mauricio's).
	It is an interesting example showing that in some cases, introducing right-linking objects (here simple ones, segments) more complex (here just a little more complex) than mere candidates can lead to a simpler solution. Can you post the full resolution path in nrc notation? There may appear some point of comparison with Maurico's braid solution.
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ronk	Denosted: Sat Jan 16, 2010 10:49 am Post subject:
	denis_berthier wrote:
Joined: 02 Nov 2005 Posts: 2751 Location: Southeastern USA	What you have is a solution with zt-whip(BI) of maximal length 17 instead of: - no solution with only nrczt-whips - a solution with nrczt-braids of maximal length 26 (Mauricio's).
	It is an interesting example showing that in some cases, introducing right-linking objects (here simple ones, segments) more complex (here just a little more complex) than mere candidates can lead to a simpler solution.
	I don't think what <b>Allan Barker</b> has is a zt-whip(BI) at all. Using single-digit groups (in mini-rows and mini-columns) as either left- or right-linkiing candidates is one thing. Using box\line or line\box interactions in the hierarchy of techniques is quite another.
	denis_berthier wrote:
	Can you post the full resolution path in nrc notation? There may appear some point of comparison with Maurico's braid solution.
	To be fair then, you should ask <b>Mauricio</b> to replace his posted solution with one in "nrc notaton" too. Also, I think Allan's pencilmarks for his first (or only) occurrence of <b>g</b> zt-whip(HS,NS) should be sufficient to settle this "BI vs grouped" issue.
	[edit: Sorry Allan, I had your name as Alllan.]
	Last edited by ronk on Sat Jan 16, 2010 4:40 pm; edited 1 time in total
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denis_berthier	D Posted: Sat Jan 16, 2010 11:05 am Post subject:
	ronk wrote:
Joined: 19 Jun 2007 Posts: 1173 Location: Paris, France	denis_berthier wrote:
	What you have is a solution with zt-whip(BI) of maximal length 17 instead of:

no solution with only nrczt-whips
a solution with nrczt-braids of maximal length 26 (Mauricio's).

It is an interesting example showing that in some cases, introducing right-linking objects (here simple ones, segments) more complex (here just a little more complex) than mere candidates can lead to a simpler solution.

I don't think what **Allian Barker** has is a zt-whip(BI) at all. Using single-digit groups (in mini-rows and mini-columns) as either left- or right-linkiing candidates is one thing. Using box\line or line\box interactions in the hierarchy of techniques is quite another.

On the contrary, I think the discussion with Allan concludes clearly that he does have whips(BI), not only an isolated BI rule.

### ronk wrote:

### denis\_berthier wrote:

Can you post the full resolution path in nrc notation? There may appear some point of comparison with Maurico's braid solution.

To be fair then, you should ask **Mauricio** to replace his posted solution with one in "nrc notaton" too.

I had done it in a previous post. No fairness question here. I'm quite sure it isn't a problem for any of them.

### ronk wrote:

Also, I think Allan's pencilmarks for his first (or only) occurrence of  $\mathbf{g}$ zt-whip(HS,NS) should be sufficient to settle this "BI vs grouped" issue.

What's interesting is to see the whole resolution paths, where they diverge and (maybe) where a whip(BI) replaces a longer braid.

grouped-whip and whip(BI) are the same thing. I used "grouped-whip" before I introduced the very general whip(FP). Since that time, I tend to write whip(BI), but it is the same thing.

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#### ronk

Dested: Sat Jan 16, 2010 11:50 am Post subject:

🔍 quote

### denis\_berthier wrote:

Joined: 02 Nov 2005 Posts: 2751 Location: Southeastern USA

ronk wrote:

I don't think what **Allan Barker** has is a zt-whip(BI) at all. Using single-digit groups (in mini-rows and mini-columns) as either left- or right-linkiing candidates is one thing. Using box\line or line\box interactions in the hierarchy of techniques is quite another.

On the contrary, I think the discussion with Allan concludes clearly that he does have whips(BI), not only an isolated BI rule.

••••

grouped-whip and whip(BI) are the same thing. I used "grouped-whip" before I introduced the very general whip(FP). Since that time, I tend to write whip(BI), but it is the same thing.

If they're the same thing and if, as you say, Allan has both whips(BI) and an "isolated BI rule", why would enabling his grouping option make any difference at all?

## denis\_berthier wrote:

## ronk wrote:

To be fair then, you should ask **Mauricio** to replace his posted solution with one in "nrc notation" too.

I had done it in a previous post. No fairness question here. I'm quite sure it isn't a problem for any of them.

# OK, I didn't see your request ... but I now see Mauricio has changed it.

### denis\_berthier wrote:

# ronk wrote: Also, I think Allan's pencilmarks for his first (or only) occurrence of gzt-whip(HS,NS) should be sufficient to settle this "BI vs grouped" issue. What's interesting is to see the whole resolution paths, where they diverge and (maybe) where a whip(BI) replaces a longer braid. I see, make the reader-follower manually do perhaps 30 error-prone eliminations before reaching the interesting step. How quaint 🙂 🐱 profile) 😹 pm **Back to top** denis\_berthier 🔍 quote 🕰 edit Dested: Sat Jan 16, 2010 11:57 am Post subject: ronk wrote: Joined: 19 Jun 2007 denis\_berthier wrote: Posts: 1173 Location: Paris, France ronk wrote: I don't think what **Allan Barker** has is a zt-whip(BI)

I don't think what **Allan Barker** has is a zt-whip(B at all. Using single-digit groups (in mini-rows and mini-columns) as either left- or right-linkiing candidates is one thing. Using box\line or line\box

interactions in the hierarchy of techniques is quite another. On the contrary, I think the discussion with Allan concludes clearly that he does have whips(BI), not only an isolated BI rule. . . . . . . grouped-whip and whip(BI) are the same thing. I used "grouped-whip" before I introduced the very general whip(FP). Since that time, I tend to write whip(BI), but it is the same thing. If they're the same thing and if, as you say, Allan has both whips(BI) and an "isolated BI rule", why would enabling his grouping option make any difference at all? When you have nrczt-whips, you automatically have the isolated BI rule: nrcztwhip[1]=BI. Even without ever seeing the shadow of Allan's program, I can easily guess that "enabling the grouping option" switches from nrczt-whip to whip(BI). 🚨 profile) (🚨 pm) 🚺 www **Back to top** ronk 🙄 quote Dested: Sat Jan 16, 2010 1:22 pm Post subject: denis\_berthier wrote: Joined: 02 Nov 2005 I can easily guess that "enabling the grouping option" switches from Posts: 2751 nrczt-whip to whip(BI). Location: Southeastern USA Cutting to the chase here, how does whip(BI) make the exclusion r8c5 <> 1 in this illustration? Code: / 1 /  $1 \ 1 \ 1$ / 1 / | . . / 1 / / 1 / | / / / . . / . / . 1 . . -1 . | . / . . . '/' <=> cell void of candidate <1> 👗 profile) 🚨 pm Back to top Allan Barker 🕲 quote Posted: Sat Jan 16, 2010 1:27 pm Post subject:

Joined: 21 Feb 2008 Posts: 504 Location: Bangkok

## denis\_berthier wrote:

### ronk wrote:

# denis\_berthier wrote:

).It is an interesting example showing that in some cases, introducing right-linking objects (here simple ones, segments) more complex (here just a little more complex) than mere candidates can lead to a simpler solution.

I don't think what **AllIan Barker** has is a zt-whip(BI) at all. Using single-digit groups (in mini-rows and mini-columns) as either left- or right-linkiing candidates is one thing. Using box\line or line\box interactions in the hierarchy of techniques is quite another.

On the contrary, I think the discussion with Allan concludes clearly that he does have whips(BI), not only an isolated BI rule.

Denis, just in the interest of clear communication, can you indicate what I said that concludes clearly that I do have whips(BI), not only an isolated BI rule, after having said:

# Allan Barker wrote:

I'm not quite sure of [what] whip[BI]s [is]. (basic interactions?). I just allow multiple rlc and/or multiple llc to link through a single box/line intersection, which forms a group-link.

In my own words I would call this a group-link switch.

BTW, I do allow t- extensions to prior grouped (multiple) rlc candidates. I assume this is the norm.

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denis\_berthier D Posted: Sat Jan 16, 2010 1:40 pm Post subject:



Joined: 19 Jun 20071) You you don't have an nrczt-whip solutionPosts: 11732) whip[1] = BILocation: Paris, France3) conclusion: you don't haeve a solution with only whips and BI (which would<br/>be the same as 1 above)

If "enabling the grouping option" in whips doesn't mean having whip(BI), can you state clearly what it means ?

### As you say

# Allan Barker wrote:

I do allow t- extensions to prior grouped (multiple) rlc candidates

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	what does "prior" mean here: only the previous one or all the previous ones?
	If you gave the full resolution path, all would be clearer.
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denis_berthier	D Posted: Sat Jan 16, 2010 1:54 pm Post subject:
	ronk wrote:
Joined: 19 Jun 2007 Posts: 1173	denis_berthier wrote:
Location: Paris, France	I can easily guess that "enabling the grouping option" switches from nrczt-whip to whip(BI).
	Cutting to the chase here, how does whip(BI) make the exclusion r8c5<>1 in this illustration?
	Code:
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	<pre>'/' &lt;=&gt; cell void of candidate &lt;1&gt;</pre>
	Very easy
	whip(BI) r5n1{c5 c2} - b1n1{r2c2 r2c13} - c8n1{r2 .} ==> r9c5 <> 1
	or
	whip(BI) r5n1{c5 c2} - b1n1{r2c2 r2c13 r1c2#1 r3c2#1} - c8n1{r2 . r8*} ==> r9c5 <> 1
	with the t and z candidates displayed in detail
	Last edited by denis_berthier on Sat Jan 16, 2010 2:55 pm; edited 1 time in total
Back to top	🚨 profile) 🕵 pm) 🌾 www)
ronk	Dested: Sat Jan 16, 2010 2:27 pm Post subject:
	denis_berthier wrote:
Joined: 02 Nov 2005 Posts: 2751 Location: Southeastern	whip(BI) r5n1{c5 c2} - b1n1{r2c2 r2c13} - c8n1{r2 .} ==> r5c5 <> 1

or whip(BI) r5n1{c5 c2} - b1n1{r2c2 r2c13 r1c2#1 r3c2#1} - c8n1{r2 . r8\*} ==> r5c5 <> 1

Except for the r5c5, I certainly don't have a problem with that, but where -- prior to this recent exchange with **Allan Barker** and I -- have you defined whip(BI) to include single-digit grouped candidates? A link to such an expression in an actual puzzle would even be better.

This is starting to look like a back door redefinition of long-standing definitions of "Box/Line Interaction" and "Line/Box Interaction", which are techniques not patterns.

# 🚨 profile) (🚨 pm)

Allan Barker

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USA

DPosted: Sat Jan 16, 2010 2:55 pm Post subject:

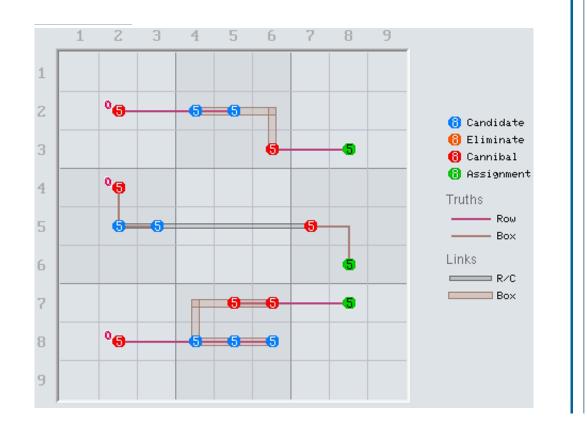
🙄 quote )

## denis\_berthier wrote:

Joined: 21 Feb 2008 Posts: 504 Location: Bangkok If "enabling the grouping option" in whips doesn't mean having whip(BI), can you state clearly what it means ?

I refer only to the common meaning of "grouped" or "grouped candidates". When 2 or 3 candidates lie in a single box/line interesection, they can logically function as a single candidate in chains, etc. To be clear, here are a few drawn examples. The chains run left to right. The heft most candidate in each case is an llc. Red are candidates forced false, green are forced true. Blue candidates in the central chute are the multiple rll.

A picture says 729 + 324 = 1053 words.



	denis_berthier wrote:
	As you say Allan Barker wrote:
	I do allow t- extensions to prior grouped (multiple) rlc candidates
	what does "prior" mean here: only the previous one or all the previous ones?
	Same prior as t- extensions to prior sinlge rlcs.
	denis_berthier wrote:
	If you gave the full resolution path, all would be clearer.
	My nrc notation output is temporailly down. I can see if I can get it working. But I think grouped links should be clear by now.
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denis_berthier	Dested: Sat Jan 16, 2010 3:09 pm Post subject:
	[quote="ronk"]
Joined: 19 Jun 2007 Posts: 1173 Location: Paris, France	denis_berthier wrote:
	whip(BI) r5n1{where prior to this recent exchange with <b>Allan</b> <b>Barker</b> and I have you defined whip(BI) to include single-digit grouped candidates?
	http://www.sudoku.com/boards/viewtopic.php? t=5591&postdays=0&postorder=asc&start=203 dated oct 17, 2008
	Indeed, I've been mistaken in my posts above, I didn't call them grouped-whips but hinged-whips
	ronk wrote:
	This is starting to look like a back door redefinition of long-standing definitions of "Box/Line Interaction" and "Line/Box Interaction", which are techniques not patterns.
	BI can be considered as patterns, precisely whip[1]. I've shown this long ago.
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denis_berthier	D Posted: Sat Jan 16, 2010 3:10 pm Post subject:
	Allan Barker wrote:
Joined: 19 Jun 2007 Posts: 1173 Location: Paris France	My nrc notation output is temporailly down. I can see if I can get it working. But I think grouped links should be clear by now.

