

# RML Example 55 : Condpagebreak



RML (Report Markup Language) is ReportLab's own language for specifying the appearance of a printed page, which is converted into PDF by the utility rml2pdf.

These RML samples showcase techniques and features for generating various types of output and are distributed within our commercial package as test cases. Each should be self explanatory and stand alone.

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## KeepWithNext

The `keepWithNext` attribute for the `paraStyle` tag tells the paragraph, whether it should always be kept together with the next paragraph or not. This can be useful for keeping headings together with the following paragraph. The default value is 0.

The code looks as follows:

```
<paraStyle name="keepApart" keepWithNext="0" />  
<paraStyle name="keepTogether" keepWithNext="1" />
```

An example with `keepWithNext="0"`. There is a spacer underneath.

This is paragraph 1 with the `keepWithNext="0"` attribute.

This is paragraph 2.

An example with `keepWithNext="1"`. There is a spacer underneath

This is paragraph 1, whose style has the `keepWithNext="1"` attribute.  
This is paragraph 2.

## **condPageBreak**

The `<condPageBreak/>` tag will move to the next page if there is not enough space on the page. The length required to stay on the same page is give by the attribute `height` which takes a length in the allowed measurements.

Blah blah blah blah blah Lieutenant Commander Data Harry Kim blah blah blah blah blah. Blah cloaking device blah blah Lieutenant Commander Data blah Dr. Pulaski blah blah USS Enterprise blah blah emergency transponder. Blah blah Ferrengi blah blah blah blah blah blah blah blah blah. Blah blah blah blah blah Tom Paris Archer IV blah blah Archer IV

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blah blah Soyuz class science vessel blah Betazoid blah blah blah warship blah blah blah blah. Blah blah  
blah Lieutenant Worf blah blah Lieutenant Worf Vulcan blah blah blah. Blah blah blah blah Tom Paris  
blah William Riker blah blah blah Klingon blah Admiral Nakamura blah blah blah. Blah  
blah blah Romulan ale blah blah asteroid field blah blah blah. Blah  
blah Memory Alpha blah blah blah. Blah blah Captain Picard blah blah Romulan  
blah Admiral Nakamura blah. Blah blah Starfleet Academy blah  
USS Intrepid blah blah holodeck blah blah. Blah ...with a  
phaser! blah Romulan Vulcan blah. Blah quantum flux blah quantum  
flux Chief O'Brian blah. Blah Counsellor Troi blah USS  
Intrepid blah Captain Janeway blah asteroid field blah IKV Pagh blah. Blah  
Betazoid blah IKV Pagh blah Captain Janeway blah IKV Pagh. Blah photon torpedo  
blah photon torpedo blah Ferengi blah. Blah  
United Federation of Planets blah Deep Space Nine blah  
"Intruder alert!" Romulan blah. Blah  
shuttlecraft Ferengi Vulcan blah Galaxy class vessel  
blah. Blah turbolift blah scout ship cruiser blah quantum flux  
blah William Riker blah. Blah battlecruiser  
blah Dr. Pulaski Pacifica blah turbolift. Blah Benzite  
Bajoran "Borg Invasion imminent!" blah blood wine. Blah emergency transponder  
Starfleet blah shuttle bay 2 blah. Blah  
distress signal spacedock Irumodic Syndrome Romulan ale  
"All hands abandon ship! This is not a drill!"

The conditional page break comes in here and is set for 3 inches.

This is on the next page since there was less than three inches till the end of the page.

blah Lieutenant Commander Data Harry Kim blah Dr. Pulaski blah USS Enterprise  
blah emergency transponder. Blah Ferengi Tom Paris Archer IV  
Archer IV Soyuz class science vessel Betazoid  
warship blah Lieutenant Worf Vulcan  
Tom Paris William Riker Klingon  
Admiral Nakamura Romulan ale  
asteroid field Memory Alpha  
Captain Picard Romulan Admiral Nakamura  
Starfleet Academy USS Intrepid  
holodeck. Blah ...with a phaser! blah  
Romulan Vulcan. Blah quantum flux  
flux Chief O'Brian. Blah Counsellor Troi  
USS Intrepid Captain Janeway  
asteroid field IKV Pagh. Blah  
Betazoid IKV Pagh Captain Janeway  
IKV Pagh. Blah photon torpedo  
photon torpedo Ferengi. Blah  
United Federation of Planets  
Deep Space Nine. Blah "Intruder  
alert!" Romulan. Blah shuttlecraft  
Ferengi Vulcan Galaxy class vessel  
turbolift scout ship cruiser  
quantum flux William Riker. Blah  
battlecruiser Dr. Pulaski Pacifica  
turbolift. Blah Benzite Bajoran  
"Borg Invasion imminent!" blah  
blood wine. Blah emergency transponder  
Starfleet blah shuttle bay 2  
distress signal spacedock Irumodic  
Syndrome Romulan ale "All hands  
abandon ship! This is not a drill!"

The conditional page break comes in here and is set for 3 inches.

This is at the bottom of the page since there are more than 3in remaining.

## **frameBreakBefore and pageBreakBefore**

The `frameBreakBefore` and `pageBreakBefore` are both attributes of the `<paraStyle>` tag.

The `frameBreakBefore` attribute causes the new paragraph to go into the next frame, even if there is still space in the current frame. The default value is 0.

The `pageBreakBefore` attribute causes the new paragraph to go into the next page, even if there is still space in the current frame, or if there are other frames remaining on the page. The default value is 0.

This is an example of `frameBreakBefore`. The next paragraph will be in a new frame.

This paragraph is in a new frame, since its style has the attribute `frameBreakBefore="1"`

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This is an example of `pageBreakBefore`. The next paragraph will be on a new page.

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This paragraph is on a new page. It missed out the frame in the lower right corner of the last page, since its style has `pageBreakBefore="1"`

## **allowWidows**

The `allowWidows` attribute, for the `<paraStyle>` tag, allows the paragraph to have a widow, a line of text, separated from the rest of the paragraph, at the end. The default value for `allowWidows` is 1.

This is an example of `allowWidows="1"`  
Blah blah blah SQL blah blah blah  
pizza blah blah blah TeX blah blah  
blah blah. Blah Intercal blah blah  
blah TeX OS/2 TFT display blah Linux  
blah blah crash! blah Sun Microsystems  
blah Logo blah blah. Blah blah  
blah blah VB Tcl/Tk Fortran blah  
blah blah awk blah blah. Blah  
blah blah PGP TCP/IP blah blah.  
Blah cgi Modula-3 SQL blah blah  
Delphi blah LISP blah BETA mailing  
lists blah. Blah blah pepperoni  
pizza blah blah blah monitor blah.  
Blah blah parallel languages blah  
blah BEER! blah. Blah beer blah  
OpenGL monitor blah blah. Blah  
blah "illiterate programming" blah  
C: drive. Blah

blah blah.  
This example has a widow (the line above).



This is an example of `allowWidows="0"`  
Blah blah blah SQL blah blah blah pizza  
blah blah blah TeX blah blah blah blah  
blah. Blah Intercal blah blah blah blah  
blah TeX OS/2 TFT display blah Linux blah  
blah crash! blah Sun Microsystems  
blah Logo blah. Blah blah blah blah  
blah VB Tcl/Tk Fortran blah awk blah  
blah. Blah blah blah PGP TCP/IP  
blah. Blah cgi Modula-3 SQL blah  
Delphi blah LISP blah BETA mailing  
lists blah. Blah pepperoni pizza  
blah monitor blah. Blah parallel  
languages blah BEER! blah beer  
OpenGL monitor blah. Blah

"illiterate programming" blah C: drive. Blah  
blah. This example does not have a widow,  
since another line has been brought with it.

**allowOrphans**

The `allowOrphans` attribute allows the  
paragraph to have an orphan, a line of text,  
left in the original frame, separated from  
the rest of the paragraph. The default value  
is 0.

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This is an example of `allowOrphans="0"`

There is no orphan below.

Blah blah blah blah SQL blah blah blah blah  
pizza blah blah blah blah TeX blah blah blah  
blah blah. Blah Intercal blah blah blah blah  
blah TeX OS/2 TFT display blah Linux blah blah  
blah blah crash! blah blah Sun Microsystems  
Logo blah blah. Blah blah blah blah blah  
blah blah blah blah VB Tcl/Tk Fortran blah blah  
blah awk blah blah blah. Blah blah blah blah  
blah blah blah blah blah blah PGP TCP/IP  
blah blah blah. Blah cgi Modula-3 SQL blah blah  
blah Delphi blah LISP blah BETA mailing lists  
blah. Blah blah blah blah pepperoni pizza blah  
blah blah blah blah blah blah blah blah  
blah blah blah monitor blah. Blah blah blah  
blah blah blah blah blah parallel languages blah  
blah blah blah blah blah blah BEER! blah  
blah. Blah blah beer blah blah OpenGL monitor  
blah blah blah blah. Blah blah Phys blah blah  
blah blah blah blah blah blah "illiterate pro-  
gramming" blah blah C: drive.

This is an example of `allowOrphans="1"`

There is an orphan below.  
Blah blah blah blah SQL blah blah blah blah

pizza blah blah blah blah TeX blah blah blah  
blah blah. Blah Intercal blah blah blah blah  
blah TeX OS/2 TFT display blah Linux blah blah  
blah blah crash! blah blah Sun Microsystems  
blah Logo blah blah. Blah blah blah blah  
blah blah blah blah blah VB Tcl/Tk Fortran blah  
blah blah awk blah blah blah. Blah blah blah  
blah blah blah blah blah blah PGP  
TCP/IP blah blah blah. Blah cgi Modula-3 SQL  
blah blah blah Delphi blah LISP blah BETA mail-  
ing lists blah. Blah blah blah blah pepperoni  
pizza blah blah blah blah blah blah blah  
blah blah blah blah blah blah monitor blah. Blah  
blah blah blah blah blah blah parallel  
languages blah blah blah blah blah blah  
blah BEER! blah blah. Blah blah beer blah blah  
OpenGL monitor blah blah blah blah. Blah blah  
Phys blah blah blah blah blah blah  
blah "illiterate programming" blah blah C: drive.

## endDots

The `endDots` attribute fills in the rest of the last line of the paragraph with the characters given for the attribute.

This paragraph should have dots following it until the end of the line. ....

This paragraph should have the characters "123" following it until the end of the line. 123123123123123123123123123