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| **Conditional (‘Options’ and ‘Optional’) Text****(Options= multiple choices; Optional: ‘keep it or delete it)** |
| **Simple:****Optional:** *{text within curly braces}***Options:***{Option 1/OROption 2/OROption 3}* Enclose text that you want to be “optional” (keep it or delete it) within {curly braces}. (See example above.) To create ‘Options’ (multiple choices) separate the choices with ‘/OR’ (only one selection possible) or /ANDOR (multiple selections possible). Up to 9 options are possible. If you wish a response at the top of the document to be carried to other sections, insert a !groupname! just inside the opening curly brace.**Example:**This document was signed by the {!t!Testator/Testatrix} as {!t!his/her} Last Will, and {!t!he/she} signed it in my presence. (Note: As explained elsewhere, a !groupname! can be any letter, number, word or phrase, up to 39 characters, between ! markers.)**Robust:****<<\*Optional\*!Group!Prompt\*Optional text>>****<<\*Options\*!Group!Prompt1/Prompt2\*Option Text 1/Option Text2>>**The entire block of text is opened with <<\*Options\* or <<\*Optional\* and closed with >>. Choices in ‘options’ block are separated with slashes. An unlimited number of options are possible. (But see ‘Tables’ below.)An \*Alias\* can be called on to supply the multiple choices. E.g., <<\*Options\*\*States\*>> (the double apostrophe is correct. The first closes the administrative text, the second indicates the \*Alias\*!groups! and prompts are optional. If used, you must close the administrative text with a ‘\*’ so that Pathagoras knows where you ‘substantive’ text begins.**‘Document Calls’** The result of an option or optional choice does not just have to be text. It can be a reference to an entire document that will be called in if it’s the result of the options/optional selection. E.g.<<\*Options\*No children/One child/2+children\*<<0 children.docx/1 child.docx>>/2+ children.docx>>>>**Debugging:** **Structure Checker:** Pathagoras provides an automated routine that identifies the most common structural mistakes in your documents. Structure Checker. Block Checker. **Painting:** Make your makers pop by painting them. (This helps in seeing your boundary markers, group names and prompts. Helps in debugging. | **Tables; rows as choices:**Pathagoras can process each row of a table as a choice, even without the slashes. The boundary markers must be outside of the table. Prompts are required.<<\*Options\*President/CEO/VPO/Treasurer\*

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| President | [Name of President] | [Shares] |
| CEO  | [Name of CEO] | [Shares] |
| V/P Ops | [Name V/P Ops] | [Shares] |
| Treasurer | [Name of Treasurer] | [Shares] |

>>**Aliases**: Any \*alias\* can be used in place of listing options choices. <<\*Options\*\*Attorney\*>>**Miscellaneous:** Multiple related conditional blocks can be controlled with a single !group! name. When using groups to tie various conditional text blocks together, you do not need to repeat the prompts in a later group.**Nesting**: Robust conditional blocks can be nested. Simple options and optionals cannot be nested.**Administrative text.** Administrative text comprises the boundary markers, optional groupname, and the optional prompts. The opening Administrative text must be closed with an ‘\*’ (astersisk) so Pathagoras knows where it ends.**Automatic paragraph numbering**, if used, remains intact. Lines and spaces are closed up.**Processing** of Options and Optional text blocks occurs ‘top to bottom, and outside - in (if nested). Robust blocks are processed before Simple. If you want to discard the primary text, yet want some text to remain in the document, use the /NEGOPT flag. E.g., {I appoint [Guardian] as Guardian./NEGOPT I have no minor children.} *(Same result would occur with a two-option block).*Most useful when optional blocks grouped, and second or third member of group**/OR** should be used as choice separator when the ‘nomal text’ contains slashes. E.g., ‘and/or’, ‘A/K/A’, d/b/a, etc..**AskTables (Interviews):**All Options/Optional/Repeat text blocks can be presented at the top of the document in a table with an Ask prefix, a groupname and prompts (the ‘administrative text). When the document is processed, Pathagoras reads the Table and presents all questions at one time (instead of one at a time).<<\*If\* . . .>> logic can be added to allow cascading questions. |

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| **Simple Optional text blocks.** ‘Keep it’ or ‘delete it’ text snippets. Enclose the word(s), sentence(s) or paragraph(s) between curly braces (shown in next column) When encountered during document processing, Pathagoras asks ‘Keep’ or ‘Delete’? | **“{”** and **“}”** | … {You may return this product within 30 days for a full refund.}  | After answering ‘Yes’ to ‘Do you want to keep this text?’ question: You may return this product within 30 days for a full refund. |
| **Simple Options text blocks.** Choices (typically sentences and paragraphs) processed at document assembly time. Choices are indicated by the separator “/OR”. | **“{” and “}” with “/OR” (mutually exclusive choices) or “/ANDOR” (multiple choices) as separator (caps required)** | … { AAAAA/ORBBBB/ORCCCC} … | after choosing the 2nd option text:…. BBBB… |

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| **Advanced \*Optional\* text blocks** These allow you to pose a question. To set up, enclose the word(s), sentence(s) or paragraph(s) that you want to be optional between angle brackets. Add an introductory \*Optional\* and the question, followed by a closing “\*”, | **<<\*Optional\*Question\* . . . . >>** | <<\*Optional\*Allow returns?\* You may return this product within 30 days for a full refund.>> |  If answered ‘Yes,’ to the ‘Allow returns” question, the substantive text remains: You may return this product within 30 days for a full refund.If answered ‘No,’ all text removed. |
| **Advanced \*Options\* text block.** Use to provide specific short multiple choice questions. To set up, enclose the word(s), sentence(s) or paragraph(s) between angle brackets. Add an introductory **\*Optional\*** and the questions, also separated by slashes, followed by a “\*” to close out administrative section of the block. | **<<\*Options\***Q1**/**Q2**/**Q3**\*Option 1 text/Option 2 text/Option 3 text>>** | <<\*Options\*FedEx/1st Class Mail/Ground\*by Federal Express (2 day delivery)/ by United States Postal Service (first class)/by ground delivery via United Parcel Service.>>  | After choosing the 3rd option in the short question list (“Ground”):by ground delivery via United Parcel Service. |
| **!Groups!** A !groupname! can be used to tie together related multiple choice variables or Options text blocks. Whenone member of the group is seelected the same choice (based on *position*, not value) is made for each other member of the group.  | **[!groupname!choice 1/choice 2/choice 3]****{!groupname!optional text in document}** | **Variables: [!client!he/she/it] . . . [!client!his/hers/its]****Optional: {!returns! Returns are allowed within 14 days.} . . . {!returns! Returns must contain all original parts.} ;** | All members of the group are treated identically. If the second position of the group is selected when the first member of the group is encountered, the second position is selected for all other members of the group. |
| **Advanced \*Options\* text block, with groupname.** This routine allows you to pose specific short multiple choice question. To set up, enclose the word(s), sentence(s) or paragraph(s) between angle brackets. Add an introductory **\*Optional\*** and the questions, also separated by slashes, followed by a “\*” to close out administrative section of the block. | **<<\*Options\*!shipping!**Q1**/**Q2**/**Q3**\*Option 1 text/Option 2 text/Option 3 text>>** | <<\*Options\*!shipping!FedEx/1st Class Mail/Ground\*by Federal Express (2 day delivery)/ by United States Postal Service (first class)/by ground delivery via United Parcel Service.>> Additional Cost for shipping: <<\*Options\*!shipping!\*$15/$10/$0>> | After choosing the 3rd option in the short question list (“Ground”):by ground delivery via United Parcel Service.Additional Cost for shipping:$0 |