

NOTES: Students did this pretty well. We did an in-class look at the complexity of the page format dialog the day before, and found lots of problems with columnar layout that derailed further work because the combinations were (a) so complex and (b) so buggy. That lab had serendipitous value that I expect will go away as the product stabilizes. This lab picked up what I was hoping for in the past lab.

In the last class, we worked with an intractably complex set of relationships (Format | Page). This time, we will work with a set of relationships that we can simplify to be manageable.

Remember the process demonstrated in the lecture:

- 1) Identify the variables of interest
- 2) Determine whether any of the variables are dependent on the others. (If so, you would have to figure out a way to manage this so that what you test can be treated as independent.)
- 3) Do a domain analysis of the variables of interest (or use some other sampling method to obtain values for these variables) in order to obtain a small number of values for combination testing.
- 4) Test the invalid values of interest in separate, standalone tests.
- 5) Test the valid values in combination tests.

For the following dialogs (feel free to substitute OOo 2 equivalents), taken together, apply that method

- A) identify the variables of interest
- B) For your first task, list a few (3 to 5) of them, analyze them up to and including
 - determining how many tests there would be in an all-N-tuples test set
 - determining how many tests there would be in an all-singles test set *and list them*
 - create an all-pairs test set
- C) Add the rest of the variables of interest to your set, and redo task B with all of them

Please submit this by the end of class (up to midnight tonight). I will grade your answers to A & B for lab credit and will give feedback on your approach / solution to C.



