**Exercise 4**

A. Using the seed suggested in the output from Exercise 2, add a grouping variable for year to the model fit in Exercise 1. Do not impose measurement invariance across groups (i.e., fit an unrestricted latent class model with multiple groups).

B. Impose measurement invariance across groups on the model fit in (A).

1. Test whether measurement invariance holds across groups. Report the test statistic, *df*, and *p*-value for the test. What do you conclude?
2. Interpret all parameters in the appropriate model.