Test the dotted line double arrow

```
/* csem5.sas  SEM for Castilla's language development data */
%include 'cread3.sas';
title2 'Test Correlated Errors: Compare Chisq = 30.2680';

proc calis cov;
   /* Analyze the covariance matrix (Default is corr). Divide by n to
      get true MLE of covariance matrix. */
     title3 'Full Model';
     /* Name the observed variables */
     var age difwords tvip subind mltu domit1 domit2 aomit1 aomit2;
     /* Now give simultaneous equations, separated by commas. Latent
        variables begin with F for factor. Error terms begin with
        E for error or D for disturbance. SAS is not case sensitive.
        You must name all the parameters. Optional starting values in
        parentheses may be given after the parameters. */
     lineqs
         /* Structural Model */
         Fvsize = gamma1 age + e1,
         Fucomp = gamma2 age + b21 Fvsize + e2,
         Fdomit = gamma3 age + b31 Fvsize + b32 Fucomp + e3,
         Faomit = gamma4 age + b41 Fvsize + b42 Fucomp + e4,
         /* Measurement model */
         difwords = Fvsize + delta1,
         tvip = lambda1 Fvsize + delta2,
         subind = Fucomp + delta3,
         mltu = lambda2 Fucomp + delta4,
         domit1 = Fdomit + delta5,
         domit2 = Fdomit + delta6,
         aomit1 = Faomit + delta7,
         aomit2 = Faomit + delta8;
     std   /* Variances (not standard deviations). Colon means
             fill in the numbers. */
         age = phi, e1-e4 = 4 * psi: , delta1-delta8 = 8 * omega: ;
     cov  e3 e4 = psi34;
     bounds 0.0 < phi psi1-psi4 omega1-omega8;  /* Variances are positive */
```

Castilla's Language development Study   7
          Test Correlated Errors: Compare Chisq = 30.2680
                         Full Model

                    The CALIS Procedure
        Covariance Structure Analysis: Maximum Likelihood Estimation

        Fit Function   0.2880
        Goodness of Fit Index (GFI)   0.9423
        GFI Adjusted for Degrees of Freedom (AGFI)   0.8703
        Root Mean Square Residual (RMR)   14.7896
        Parsimonious GFI (Mulaik, 1989)   0.5235
        Chi-Square   30.2392
        Chi-Square DF   20
        Pr > Chi-Square   0.0661

$G = 30.2680 - 30.2392 = 0.0288$, df=1, $p = 0.865$