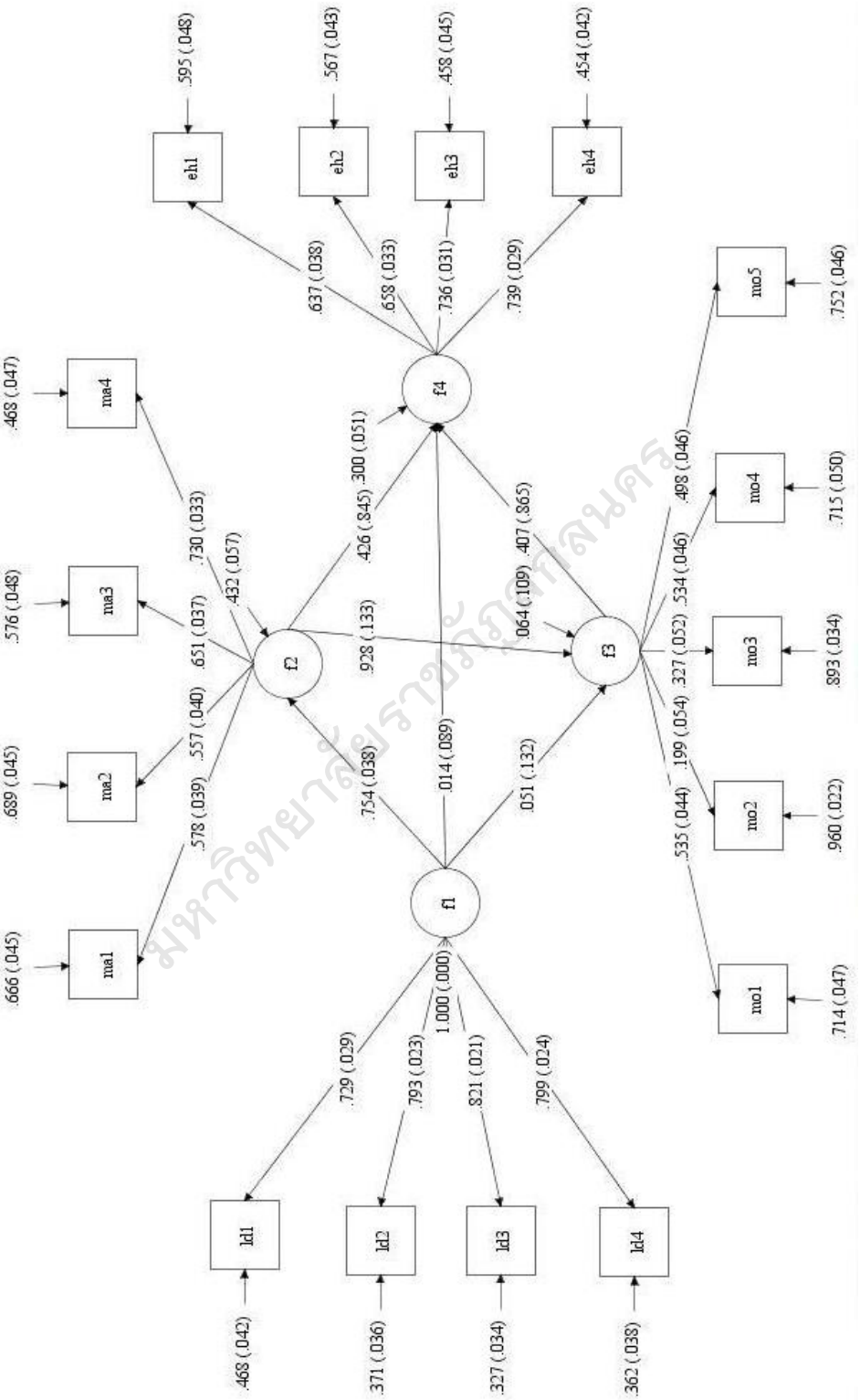
ภาคผนวก ง
ผลการวิเคราะห์ข้อมูล


.595 (.048)
.567 (.043)
.458 (.045)
.454 (.042)
eh1
eh2
eh3
eh4
.637 (.038)
.658 (.033)
.736 (.031)
.739 (.029)
f4
.468 (.047)
ma4
.730 (.033)
.300 (.051)
.426 (.845)
.407 (.865)
.576 (.048)
ma3
.651 (.037)
.432 (.057)
f2
.928 (.133)
.064 (.109)
f3
.689 (.045)
ma2
.557 (.040)
.578 (.039)
.754 (.038)
.014 (.089)
.051 (.132)
.666 (.045)
ma1
f1
1.000 (.000)
.729 (.029)
.793 (.023)
.821 (.021)
.799 (.024)
id1
id2
id3
id4
.468 (.042)
.371 (.036)
.327 (.034)
.362 (.038)
mo5
.752 (.046)
.498 (.046)
mo4
.715 (.050)
.534 (.046)
.327 (.052)
mo3
.893 (.034)
.199 (.054)
mo2
.960 (.022)
.535 (.044)
mo1
.714 (.047)

d:\mplus 7\final\mptext1.out

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Mplus VERSION 7
MUTHEN & MUTHEN
09/11/2019   4:59 PM

INPUT INSTRUCTIONS

  TITLE:  SEM_T

  DATA:
    FILE IS "D:\Mplus 7\FINAL\Fanal.dat";

  VARIABLE:
    NAMES ARE LD1-LD4 MA1-MA4 MO1-MO5 EH1-EH4;
    USEVARIABLES ARE LD1-LD4 MA1-MA4 MO1-MO5 EH1-EH4;

  ANALYSIS:
    TYPE IS GENERAL;
    ESTIMATOR IS ML;
    ITERATIONS = 1000;
    CONVERGENCE = 0.00005;

  MODEL:
    F4 ON F1 F2 F3;
    F3 ON F1 F2;
    F2 ON F1;
    F4 BY EH1-EH4;
    F3 BY MO1-MO5;
    F2 BY MA1-MA4;
    F1 BY LD1-LD4;
    MO5 WITH MO4;
    MA3 WITH MA2;
    EH3 WITH EH1;
    MA1 WITH LD4;
    EH1 WITH MA4;
    MO3 WITH MO2;
    MA1 WITH LD2;
    LD4 WITH LD1;
    MO1 WITH MA1;
    EH1 WITH MO5;
    MA3 WITH LD2;
    MA1 WITH LD3;
    MA4 WITH MA3;
    MO4 WITH MO2;
    MA4 WITH LD1;
    EH2 WITH MO1;
    MO4 WITH MA1;
    MO2 WITH MO1;

   MODEL INDIRECT:
    F4 IND F1;
    F3 IND F1;
    F4 IND F2;

   OUTPUT:  SAMPSTAT MODINDICES(0000) RESIDUAL STANDARDIZED;

   SAVEDATA:
    RESULTS IS D:\Mplus 7\FINAL;


INPUT READING TERMINATED NORMALLY


SEM_T
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d:\mplus 7\final\mptext1.out

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	417
Number of dependent variables	17
Number of independent variables	0
Number of continuous latent variables	4

Observed dependent variables

Continuous

LD1	LD2	LD3	LD4	MA1	MA2
MA3	MA4	MO1	MO2	MO3	MO4
MO5	EH1	EH2	EH3	EH4	

Continuous latent variables

F4	F3	F2	F1

Estimator	ML
Information matrix	OBSERVED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20

Input data file(s)
D:\Mplus 7\FINAL\Fanal.dat

Input data format FREE

SAMPLE STATISTICS

SAMPLE STATISTICS

Means

	LD1	LD2	LD3	LD4	MA1
1	4.320	4.281	4.334	4.302	4.330

Means

	MA2	MA3	MA4	MO1	MO2
1	4.258	4.218	4.362	4.383	4.280

Means

	MO3	MO4	MO5	EH1	EH2
1	4.260	4.242	4.294	4.311	4.492

Means

	EH3	EH4
1	4.192	4.324

Covariances

	LD1	LD2	LD3	LD4	MA1

LD1	0.221				
LD2	0.122	0.198			
LD3	0.123	0.133	0.203		
LD4	0.114	0.132	0.141	0.217	
MA1	0.082	0.089	0.085	0.106	0.198
MA2	0.066	0.063	0.071	0.066	0.060
MA3	0.076	0.058	0.070	0.075	0.071
MA4	0.101	0.078	0.086	0.086	0.078
MO1	0.079	0.068	0.074	0.078	0.083
MO2	0.025	0.018	0.013	0.006	0.016
MO3	0.038	0.020	0.025	0.022	0.020
MO4	0.071	0.064	0.055	0.059	0.041
MO5	0.068	0.064	0.059	0.066	0.054
EH1	0.069	0.065	0.068	0.059	0.056
EH2	0.071	0.065	0.083	0.076	0.071
EH3	0.067	0.075	0.080	0.076	0.073
EH4	0.087	0.078	0.094	0.074	0.073

Covariances

	MA2	MA3	MA4	MO1	MO2
MA2	0.201				
MA3	0.106	0.197			
MA4	0.085	0.117	0.187		
MO1	0.049	0.067	0.082	0.223	
MO2	0.018	0.027	0.037	0.044	0.223
MO3	0.039	0.047	0.058	0.038	0.045
MO4	0.071	0.075	0.069	0.055	0.052
MO5	0.048	0.063	0.064	0.047	0.030
EH1	0.066	0.075	0.096	0.051	0.025
EH2	0.057	0.063	0.081	0.082	0.025
EH3	0.066	0.086	0.080	0.075	0.022
EH4	0.065	0.081	0.093	0.075	0.035

Covariances

	MO3	MO4	MO5	EH1	EH2
MO3	0.193				
MO4	0.048	0.204			
MO5	0.031	0.102	0.198		
EH1	0.050	0.056	0.068	0.189	
EH2	0.032	0.048	0.048	0.085	0.206
EH3	0.029	0.069	0.071	0.064	0.101
EH4	0.041	0.070	0.071	0.091	0.106

Covariances

	EH3	EH4
EH3	0.218	
EH4	0.127	0.229

Correlations

	LD1	LD2	LD3	LD4	MA1
LD1	1.000				
LD2	0.581	1.000			
LD3	0.580	0.666	1.000		
LD4	0.521	0.635	0.669	1.000	
MA1	0.391	0.450	0.424	0.512	1.000
MA2	0.315	0.316	0.351	0.318	0.302
MA3	0.363	0.292	0.347	0.364	0.357
MA4	0.495	0.408	0.439	0.428	0.407

MO1	0.357	0.322	0.348	0.356	0.393
MO2	0.113	0.084	0.059	0.028	0.075
MO3	0.185	0.103	0.127	0.107	0.101
MO4	0.336	0.320	0.272	0.282	0.204
MO5	0.326	0.323	0.295	0.320	0.271
EH1	0.339	0.337	0.347	0.291	0.288
EH2	0.332	0.324	0.405	0.361	0.349
EH3	0.306	0.360	0.381	0.347	0.350
EH4	0.389	0.368	0.437	0.330	0.341

Correlations

	MA2	MA3	MA4	MO1	MO2
MA2	1.000				
MA3	0.533	1.000			
MA4	0.437	0.613	1.000		
MO1	0.232	0.318	0.399	1.000	
MO2	0.086	0.127	0.182	0.195	1.000
MO3	0.197	0.243	0.307	0.185	0.218
MO4	0.351	0.372	0.355	0.259	0.242
MO5	0.242	0.321	0.335	0.224	0.141
EH1	0.340	0.391	0.513	0.247	0.124
EH2	0.282	0.312	0.415	0.383	0.118
EH3	0.316	0.416	0.396	0.339	0.098
EH4	0.302	0.383	0.450	0.332	0.156

Correlations

	MO3	MO4	MO5	EH1	EH2
MO3	1.000				
MO4	0.242	1.000			
MO5	0.157	0.507	1.000		
EH1	0.261	0.285	0.354	1.000	
EH2	0.159	0.235	0.238	0.430	1.000
EH3	0.142	0.326	0.340	0.318	0.477
EH4	0.197	0.323	0.334	0.438	0.489

Correlations

	EH3	EH4
EH3	1.000	
EH4	0.570	1.000

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 75

Loglikelihood

H0 Value	-3150.509
H1 Value	-3091.540

Information Criteria

Akaike (AIC)	6451.019
Bayesian (BIC)	6753.500
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	6515.505

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Chi-Square Test of Model Fit

Value	117.938
Degrees of Freedom	95
P-Value	0.0555

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.024	
90 Percent C.I.	0.000	0.037
Probability RMSEA <= .05	1.000	

CFI/TLI

CFI	0.991
TLI	0.987

Chi-Square Test of Model Fit for the Baseline Model

Value	2728.077
Degrees of Freedom	136
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value	0.032

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F4	BY				
EH1		1.000	0.000	999.000	999.000
EH2		1.083	0.103	10.528	0.000
EH3		1.246	0.121	10.295	0.000
EH4		1.282	0.116	11.075	0.000
F3	BY				
MO1		1.000	0.000	999.000	999.000
MO2		0.372	0.103	3.592	0.000
MO3		0.569	0.103	5.498	0.000
MO4		0.952	0.120	7.947	0.000
MO5		0.876	0.115	7.584	0.000
F2	BY				
MA1		1.000	0.000	999.000	999.000
MA2		0.971	0.112	8.700	0.000
MA3		1.118	0.118	9.467	0.000
MA4		1.214	0.118	10.268	0.000
F1	BY				
LD1		1.000	0.000	999.000	999.000
LD2		1.023	0.069	14.775	0.000
LD3		1.078	0.072	15.032	0.000
LD4		1.081	0.076	14.164	0.000
F4	ON				
F1		0.011	0.071	0.160	0.873
F2		0.456	0.907	0.502	0.615
F3		0.445	0.955	0.465	0.642
F3	ON				

F1	0.038	0.098	0.388	0.698
F2	0.910	0.159	5.708	0.000
F2 ON				
F1	0.566	0.064	8.872	0.000
MO5 WITH				
MO4	0.047	0.009	5.176	0.000
MA3 WITH				
MA2	0.033	0.007	4.546	0.000
LD2	-0.012	0.005	-2.525	0.012
EH3 WITH				
EH1	-0.029	0.007	-4.369	0.000
MA1 WITH				
LD4	0.031	0.007	4.338	0.000
LD2	0.018	0.006	2.810	0.005
LD3	0.007	0.006	1.105	0.269
EH1 WITH				
MA4	0.019	0.006	3.255	0.001
MO5	0.017	0.007	2.592	0.010
MO3 WITH				
MO2	0.029	0.010	3.025	0.002
LD4 WITH				
LD1	-0.016	0.006	-2.757	0.006
MO1 WITH				
MA1	0.018	0.008	2.317	0.021
MA4 WITH				
MA3	0.023	0.006	3.620	0.000
LD1	0.015	0.005	2.833	0.005
MO4 WITH				
MO2	0.024	0.008	2.833	0.005
MA1	-0.016	0.007	-2.419	0.016
EH2 WITH				
MO1	0.019	0.007	2.570	0.010
MO2 WITH				
MO1	0.020	0.009	2.155	0.031
Intercepts				
LD1	4.320	0.023	187.478	0.000
LD2	4.281	0.022	197.600	0.000
LD3	4.334	0.022	196.454	0.000
LD4	4.302	0.023	189.149	0.000
MA1	4.330	0.022	198.282	0.000
MA2	4.258	0.022	193.784	0.000
MA3	4.218	0.022	194.779	0.000
MA4	4.362	0.021	207.691	0.000
MO1	4.383	0.023	189.453	0.000
MO2	4.280	0.023	185.224	0.000
MO3	4.260	0.022	198.087	0.000
MO4	4.242	0.022	192.384	0.000
MO5	4.294	0.022	197.406	0.000
EH1	4.311	0.021	203.159	0.000
EH2	4.492	0.022	202.106	0.000
EH3	4.192	0.023	183.355	0.000
EH4	4.324	0.023	184.603	0.000

Variances				
F1	0.118	0.015	8.014	0.000
Residual Variances				
LD1	0.104	0.009	11.336	0.000
LD2	0.073	0.007	11.113	0.000
LD3	0.066	0.006	10.314	0.000
LD4	0.078	0.008	10.258	0.000
MA1	0.132	0.010	12.850	0.000
MA2	0.139	0.011	12.819	0.000
MA3	0.113	0.010	11.666	0.000
MA4	0.086	0.009	10.082	0.000
MO1	0.159	0.013	12.642	0.000
MO2	0.214	0.015	14.359	0.000
MO3	0.172	0.012	13.865	0.000
MO4	0.145	0.012	12.192	0.000
MO5	0.148	0.012	12.816	0.000
EH1	0.112	0.010	11.644	0.000
EH2	0.117	0.009	12.379	0.000
EH3	0.100	0.010	10.333	0.000
EH4	0.104	0.009	11.039	0.000
F4	0.023	0.005	4.633	0.000
F3	0.004	0.007	0.568	0.570
F2	0.029	0.006	5.190	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F4	BY				
EH1		0.637	0.038	16.923	0.000
EH2		0.658	0.033	19.938	0.000
EH3		0.736	0.031	23.911	0.000
EH4		0.739	0.029	25.891	0.000
F3	BY				
MO1		0.535	0.044	12.246	0.000
MO2		0.199	0.054	3.663	0.000
MO3		0.327	0.052	6.335	0.000
MO4		0.534	0.046	11.520	0.000
MO5		0.498	0.046	10.797	0.000
F2	BY				
MA1		0.578	0.039	14.962	0.000
MA2		0.557	0.040	13.801	0.000
MA3		0.651	0.037	17.662	0.000
MA4		0.730	0.033	22.418	0.000
F1	BY				
LD1		0.729	0.029	25.223	0.000
LD2		0.793	0.023	35.092	0.000
LD3		0.821	0.021	39.240	0.000
LD4		0.799	0.024	33.826	0.000
F4	ON				
F1		0.014	0.089	0.160	0.873
F2		0.426	0.845	0.504	0.614
F3		0.407	0.865	0.471	0.638
F3	ON				

F1	0.051	0.132	0.388	0.698
F2	0.928	0.133	6.971	0.000
F2 ON				
F1	0.754	0.038	19.805	0.000
MO5 WITH				
MO4	0.318	0.049	6.449	0.000
MA3 WITH				
MA2	0.260	0.049	5.340	0.000
LD2	-0.133	0.052	-2.545	0.011
EH3 WITH				
EH1	-0.279	0.067	-4.138	0.000
MA1 WITH				
LD4	0.303	0.064	4.705	0.000
LD2	0.180	0.062	2.915	0.004
LD3	0.073	0.066	1.109	0.267
EH1 WITH				
MA4	0.189	0.054	3.495	0.000
MO5	0.131	0.049	2.682	0.007
MO3 WITH				
MO2	0.150	0.048	3.135	0.002
LD4 WITH				
LD1	-0.180	0.069	-2.610	0.009
MO1 WITH				
MA1	0.123	0.051	2.396	0.017
MA4 WITH				
MA3	0.234	0.054	4.312	0.000
LD1	0.160	0.054	2.976	0.003
MO4 WITH				
MO2	0.135	0.046	2.921	0.003
MA1	-0.118	0.049	-2.426	0.015
EH2 WITH				
MO1	0.141	0.053	2.654	0.008
MO2 WITH				
MO1	0.107	0.049	2.204	0.028
Intercepts				
LD1	9.181	0.321	28.568	0.000
LD2	9.677	0.337	28.737	0.000
LD3	9.620	0.336	28.591	0.000
LD4	9.263	0.323	28.655	0.000
MA1	9.710	0.340	28.568	0.000
MA2	9.490	0.332	28.564	0.000
MA3	9.538	0.332	28.703	0.000
MA4	10.171	0.353	28.814	0.000
MO1	9.278	0.325	28.581	0.000
MO2	9.070	0.317	28.635	0.000
MO3	9.700	0.339	28.577	0.000
MO4	9.421	0.329	28.673	0.000
MO5	9.667	0.337	28.658	0.000
EH1	9.949	0.347	28.693	0.000
EH2	9.897	0.346	28.587	0.000
EH3	8.979	0.315	28.527	0.000
EH4	9.040	0.317	28.532	0.000

Variances				
F1	1.000	0.000	999.000	999.000
Residual Variances				
LD1	0.468	0.042	11.115	0.000
LD2	0.371	0.036	10.356	0.000
LD3	0.327	0.034	9.519	0.000
LD4	0.362	0.038	9.604	0.000
MA1	0.666	0.045	14.919	0.000
MA2	0.689	0.045	15.303	0.000
MA3	0.576	0.048	11.987	0.000
MA4	0.468	0.047	9.848	0.000
MO1	0.714	0.047	15.296	0.000
MO2	0.960	0.022	44.462	0.000
MO3	0.893	0.034	26.424	0.000
MO4	0.715	0.050	14.419	0.000
MO5	0.752	0.046	16.372	0.000
EH1	0.595	0.048	12.424	0.000
EH2	0.567	0.043	13.059	0.000
EH3	0.458	0.045	10.120	0.000
EH4	0.454	0.042	10.752	0.000
F4	0.300	0.051	5.835	0.000
F3	0.064	0.109	0.587	0.557
F2	0.432	0.057	7.524	0.000

STDY Standardization

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F4	BY				
EH1		0.637	0.038	16.923	0.000
EH2		0.658	0.033	19.938	0.000
EH3		0.736	0.031	23.911	0.000
EH4		0.739	0.029	25.891	0.000
F3	BY				
MO1		0.535	0.044	12.246	0.000
MO2		0.199	0.054	3.663	0.000
MO3		0.327	0.052	6.335	0.000
MO4		0.534	0.046	11.520	0.000
MO5		0.498	0.046	10.797	0.000
F2	BY				
MA1		0.578	0.039	14.962	0.000
MA2		0.557	0.040	13.801	0.000
MA3		0.651	0.037	17.662	0.000
MA4		0.730	0.033	22.418	0.000
F1	BY				
LD1		0.729	0.029	25.223	0.000
LD2		0.793	0.023	35.092	0.000
LD3		0.821	0.021	39.240	0.000
LD4		0.799	0.024	33.826	0.000
F4	ON				
F1		0.014	0.089	0.160	0.873
F2		0.426	0.845	0.504	0.614
F3		0.407	0.865	0.471	0.638
F3	ON				
F1		0.051	0.132	0.388	0.698
F2		0.928	0.133	6.971	0.000

F2	ON				
F1		0.754	0.038	19.805	0.000
MO5	WITH				
MO4		0.318	0.049	6.449	0.000
MA3	WITH				
MA2		0.260	0.049	5.340	0.000
LD2		-0.133	0.052	-2.545	0.011
EH3	WITH				
EH1		-0.279	0.067	-4.138	0.000
MA1	WITH				
LD4		0.303	0.064	4.705	0.000
LD2		0.180	0.062	2.915	0.004
LD3		0.073	0.066	1.109	0.267
EH1	WITH				
MA4		0.189	0.054	3.495	0.000
MO5		0.131	0.049	2.682	0.007
MO3	WITH				
MO2		0.150	0.048	3.135	0.002
LD4	WITH				
LD1		-0.180	0.069	-2.610	0.009
MO1	WITH				
MA1		0.123	0.051	2.396	0.017
MA4	WITH				
MA3		0.234	0.054	4.312	0.000
LD1		0.160	0.054	2.976	0.003
MO4	WITH				
MO2		0.135	0.046	2.921	0.003
MA1		-0.118	0.049	-2.426	0.015
EH2	WITH				
MO1		0.141	0.053	2.654	0.008
MO2	WITH				
MO1		0.107	0.049	2.204	0.028
Intercepts					
LD1		9.181	0.321	28.568	0.000
LD2		9.677	0.337	28.737	0.000
LD3		9.620	0.336	28.591	0.000
LD4		9.263	0.323	28.655	0.000
MA1		9.710	0.340	28.568	0.000
MA2		9.490	0.332	28.564	0.000
MA3		9.538	0.332	28.703	0.000
MA4		10.171	0.353	28.814	0.000
MO1		9.278	0.325	28.581	0.000
MO2		9.070	0.317	28.635	0.000
MO3		9.700	0.339	28.577	0.000
MO4		9.421	0.329	28.673	0.000
MO5		9.667	0.337	28.658	0.000
EH1		9.949	0.347	28.693	0.000
EH2		9.897	0.346	28.587	0.000
EH3		8.979	0.315	28.527	0.000
EH4		9.040	0.317	28.532	0.000
Variances					
F1		1.000	0.000	999.000	999.000

Residual Variances

LD1	0.468	0.042	11.115	0.000
LD2	0.371	0.036	10.356	0.000
LD3	0.327	0.034	9.519	0.000
LD4	0.362	0.038	9.604	0.000
MA1	0.666	0.045	14.919	0.000
MA2	0.689	0.045	15.303	0.000
MA3	0.576	0.048	11.987	0.000
MA4	0.468	0.047	9.848	0.000
MO1	0.714	0.047	15.296	0.000
MO2	0.960	0.022	44.462	0.000
MO3	0.893	0.034	26.424	0.000
MO4	0.715	0.050	14.419	0.000
MO5	0.752	0.046	16.372	0.000
EH1	0.595	0.048	12.424	0.000
EH2	0.567	0.043	13.059	0.000
EH3	0.458	0.045	10.120	0.000
EH4	0.454	0.042	10.752	0.000
F4	0.300	0.051	5.835	0.000
F3	0.064	0.109	0.587	0.557
F2	0.432	0.057	7.524	0.000

STD Standardization

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F4	BY				
EH1		0.276	0.022	12.803	0.000
EH2		0.299	0.021	14.046	0.000
EH3		0.344	0.022	15.718	0.000
EH4		0.354	0.022	16.268	0.000
F3	BY				
MO1		0.253	0.025	10.198	0.000
MO2		0.094	0.026	3.575	0.000
MO3		0.144	0.024	5.949	0.000
MO4		0.241	0.025	9.758	0.000
MO5		0.221	0.024	9.286	0.000
F2	BY				
MA1		0.258	0.022	11.720	0.000
MA2		0.250	0.023	11.110	0.000
MA3		0.288	0.022	13.049	0.000
MA4		0.313	0.021	15.227	0.000
F1	BY				
LD1		0.343	0.021	16.028	0.000
LD2		0.351	0.019	18.641	0.000
LD3		0.370	0.019	19.513	0.000
LD4		0.371	0.020	18.476	0.000
F4	ON				
F1		0.014	0.089	0.160	0.873
F2		0.426	0.845	0.504	0.614
F3		0.407	0.865	0.471	0.638
F3	ON				
F1		0.051	0.132	0.388	0.698
F2		0.928	0.133	6.971	0.000
F2	ON				
F1		0.754	0.038	19.805	0.000

MO5	WITH				
MO4		0.047	0.009	5.176	0.000
MA3	WITH				
MA2		0.033	0.007	4.546	0.000
LD2		-0.012	0.005	-2.525	0.012
EH3	WITH				
EH1		-0.029	0.007	-4.369	0.000
MA1	WITH				
LD4		0.031	0.007	4.338	0.000
LD2		0.018	0.006	2.810	0.005
LD3		0.007	0.006	1.105	0.269
EH1	WITH				
MA4		0.019	0.006	3.255	0.001
MO5		0.017	0.007	2.592	0.010
MO3	WITH				
MO2		0.029	0.010	3.025	0.002
LD4	WITH				
LD1		-0.016	0.006	-2.757	0.006
MO1	WITH				
MA1		0.018	0.008	2.317	0.021
MA4	WITH				
MA3		0.023	0.006	3.620	0.000
LD1		0.015	0.005	2.833	0.005
MO4	WITH				
MO2		0.024	0.008	2.833	0.005
MA1		-0.016	0.007	-2.419	0.016
EH2	WITH				
MO1		0.019	0.007	2.570	0.010
MO2	WITH				
MO1		0.020	0.009	2.155	0.031
Intercepts					
LD1		4.320	0.023	187.478	0.000
LD2		4.281	0.022	197.600	0.000
LD3		4.334	0.022	196.454	0.000
LD4		4.302	0.023	189.149	0.000
MA1		4.330	0.022	198.282	0.000
MA2		4.258	0.022	193.784	0.000
MA3		4.218	0.022	194.779	0.000
MA4		4.362	0.021	207.691	0.000
MO1		4.383	0.023	189.453	0.000
MO2		4.280	0.023	185.224	0.000
MO3		4.260	0.022	198.087	0.000
MO4		4.242	0.022	192.384	0.000
MO5		4.294	0.022	197.406	0.000
EH1		4.311	0.021	203.159	0.000
EH2		4.492	0.022	202.106	0.000
EH3		4.192	0.023	183.355	0.000
EH4		4.324	0.023	184.603	0.000
Variances					
F1		1.000	0.000	999.000	999.000
Residual Variances					
LD1		0.104	0.009	11.336	0.000

LD2	0.073	0.007	11.113	0.000
LD3	0.066	0.006	10.314	0.000
LD4	0.078	0.008	10.258	0.000
MA1	0.132	0.010	12.850	0.000
MA2	0.139	0.011	12.819	0.000
MA3	0.113	0.010	11.666	0.000
MA4	0.086	0.009	10.082	0.000
MO1	0.159	0.013	12.642	0.000
MO2	0.214	0.015	14.359	0.000
MO3	0.172	0.012	13.865	0.000
MO4	0.145	0.012	12.192	0.000
MO5	0.148	0.012	12.816	0.000
EH1	0.112	0.010	11.644	0.000
EH2	0.117	0.009	12.379	0.000
EH3	0.100	0.010	10.333	0.000
EH4	0.104	0.009	11.039	0.000
F4	0.300	0.051	5.835	0.000
F3	0.064	0.109	0.587	0.557
F2	0.432	0.057	7.524	0.000

R-SQUARE

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
LD1	0.532	0.042	12.611	0.000
LD2	0.629	0.036	17.546	0.000
LD3	0.673	0.034	19.620	0.000
LD4	0.638	0.038	16.913	0.000
MA1	0.334	0.045	7.481	0.000
MA2	0.311	0.045	6.901	0.000
MA3	0.424	0.048	8.831	0.000
MA4	0.532	0.047	11.209	0.000
MO1	0.286	0.047	6.123	0.000
MO2	0.040	0.022	1.831	0.067
MO3	0.107	0.034	3.167	0.002
MO4	0.285	0.050	5.760	0.000
MO5	0.248	0.046	5.398	0.000
EH1	0.405	0.048	8.461	0.000
EH2	0.433	0.043	9.969	0.000
EH3	0.542	0.045	11.955	0.000
EH4	0.546	0.042	12.946	0.000

Latent Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F4	0.700	0.051	13.631	0.000
F3	0.936	0.109	8.613	0.000
F2	0.568	0.057	9.903	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue) 0.543E-05

TOTAL, TOTAL INDIRECT, SPECIFIC INDIRECT, AND DIRECT EFFECTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Effects from F1 to F4				

Total	0.515	0.057	8.996	0.000
Total indirect	0.504	0.079	6.382	0.000
Specific indirect				
F4 F3 F1	0.017	0.060	0.279	0.781
F4 F2 F1	0.258	0.514	0.502	0.616
F4 F3 F2 F1	0.229	0.488	0.469	0.639
Direct				
F4 F1	0.011	0.071	0.160	0.873
Effects from F2 to F4				
Total	0.860	0.143	6.023	0.000
Total indirect	0.404	0.862	0.469	0.639
Specific indirect				
F4 F3 F2	0.404	0.862	0.469	0.639
Direct				
F4 F2	0.456	0.907	0.502	0.615
Effects from F1 to F3				
Total	0.553	0.067	8.287	0.000
Total indirect	0.515	0.100	5.159	0.000
Specific indirect				
F3 F2 F1	0.515	0.100	5.159	0.000
Direct				
F3 F1	0.038	0.098	0.388	0.698

STANDARDIZED TOTAL, TOTAL INDIRECT, SPECIFIC INDIRECT, AND DIRECT EFFECTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Effects from F1 to F4				
Total	0.641	0.039	16.631	0.000

Total indirect	0.627	0.079	7.978	0.000
Specific indirect				
F4 F3 F1	0.021	0.075	0.279	0.780
F4 F2 F1	0.321	0.639	0.502	0.615
F4 F3 F2 F1	0.285	0.607	0.470	0.639
Direct				
F4 F1	0.014	0.089	0.160	0.873

Effects from F2 to F4

Total	0.804	0.097	8.295	0.000
Total indirect	0.378	0.806	0.469	0.639
Specific indirect				
F4 F3 F2	0.378	0.806	0.469	0.639
Direct				
F4 F2	0.426	0.845	0.504	0.614

Effects from F1 to F3

Total	0.751	0.054	13.853	0.000
Total indirect	0.700	0.119	5.890	0.000
Specific indirect				
F3 F2 F1	0.700	0.119	5.890	0.000
Direct				
F3 F1	0.051	0.132	0.388	0.698

STDY Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Effects from F1 to F4				
Total	0.641	0.039	16.631	0.000
Total indirect	0.627	0.079	7.978	0.000
Specific indirect				

F4				
F3				
F1	0.021	0.075	0.279	0.780
F4				
F2				
F1	0.321	0.639	0.502	0.615
F4				
F3				
F2				
F1	0.285	0.607	0.470	0.639
Direct				
F4				
F1	0.014	0.089	0.160	0.873

Effects from F2 to F4

Total	0.804	0.097	8.295	0.000
Total indirect	0.378	0.806	0.469	0.639
Specific indirect				
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F3				
F2	0.378	0.806	0.469	0.639
Direct				
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F2	0.426	0.845	0.504	0.614

Effects from F1 to F3

Total	0.751	0.054	13.853	0.000
Total indirect	0.700	0.119	5.890	0.000
Specific indirect				
F3				
F2				
F1	0.700	0.119	5.890	0.000
Direct				
F3				
F1	0.051	0.132	0.388	0.698

STD Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Effects from F1 to F4				
Total	0.641	0.039	16.631	0.000
Total indirect	0.627	0.079	7.978	0.000
Specific indirect				
F4				
F3				
F1	0.021	0.075	0.279	0.780

F4				
F2				
F1	0.321	0.639	0.502	0.615
F4				
F3				
F2				
F1	0.285	0.607	0.470	0.639
Direct				
F4				
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Effects from F2 to F4

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Total indirect	0.378	0.806	0.469	0.639
Specific indirect				
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Effects from F1 to F3

Total	0.751	0.054	13.853	0.000
Total indirect	0.700	0.119	5.890	0.000
Specific indirect				
F3				
F2				
F1	0.700	0.119	5.890	0.000
Direct				
F3				
F1	0.051	0.132	0.388	0.698

RESIDUAL OUTPUT

ESTIMATED MODEL AND RESIDUALS (OBSERVED - ESTIMATED)

Model Estimated Means/Intercepts/Thresholds

	LD1	LD2	LD3	LD4	MA1
1	4.320	4.281	4.334	4.302	4.330

Model Estimated Means/Intercepts/Thresholds

	MA2	MA3	MA4	MO1	MO2
1	4.258	4.218	4.362	4.383	4.280

Model Estimated Means/Intercepts/Thresholds