



$$\frac{1}{4}$$

Covariance matrix

	CY	CAM	CAF
CY	0.9282E-04		
CAM	0.7622E-03	0.9497E-02	
CAF	0.3707E-03	0.3045E-02	0.8027E-02

[illegible]

◦ LIMDEP Estimation Results Run log line 24

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```

0 Current sample contains      91 observations.

```

O

$$\frac{1}{4}$$
[illegible]

- Constrained MLE for Multivariate Regression Model

○

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0 First iter:  0 F= 243.9556 log|ä| = -13.87529 g'inv(H)g= 2.4434

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0

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° Last iter: 4 F= 505.6929 log|ä|= -19.62776 g'inv(H)g= 0.0000

```

O

° Number of observations used in estimation = 91

○

<sup>o</sup> Model: ONE LWY LWAM LWAF LWK LQ

○

$$^0 \text{ CY} \quad \text{AY} \quad \text{BYY} \quad \text{BYAM} \quad \text{BYAF} \quad \text{BYK} \quad \text{BYQ}$$

0

$$^0 \text{ CAM} \quad \text{AAM} \quad \text{BYAM} \quad \text{BAMAM} \quad \text{BAMAF} \quad \text{BAMK} \quad \text{BAMQ}$$

○

$$^{\circ} \text{ CAF} \quad \text{AAF} \quad \text{BYAF} \quad \text{BAMAF} \quad \text{BAFAF} \quad \text{BAFK} \quad \text{BAFQ}$$

○

$$\frac{1}{\sqrt{2}} \left( \begin{array}{c} |0\rangle \\ |1\rangle \\ |2\rangle \\ |3\rangle \\ |4\rangle \\ |5\rangle \\ |6\rangle \\ |7\rangle \\ |8\rangle \\ |9\rangle \\ |10\rangle \\ |11\rangle \\ |12\rangle \\ |13\rangle \\ |14\rangle \\ |15\rangle \\ |16\rangle \\ |17\rangle \\ |18\rangle \\ |19\rangle \\ |20\rangle \\ |21\rangle \\ |22\rangle \\ |23\rangle \\ |24\rangle \\ |25\rangle \\ |26\rangle \\ |27\rangle \\ |28\rangle \\ |29\rangle \\ |30\rangle \\ |31\rangle \end{array} \right)$$

Variable	Coefficient	Standard Error	z=b/s.e.	P[ <sup>3</sup> Z <sup>3</sup> ðz]	Mean of X
AY	0.4402877E-01	0.21348E-01	2.062	0.03917	
AAM	-0.8537140	0.22216	-3.843	0.00012	
AAF	2.625037	0.20097	13.062	0.00000	
BYY	0.7957695E-02	0.34759E-02	2.289	0.02206	
BYAM	-0.7280660E-01	0.69963E-02	-10.406	0.00000	
BYAF	0.5120867E-01	0.61042E-02	8.389	0.00000	
BYK	-0.3346100E-02	0.78780E-02	-0.425	0.67103	
BYQ	0.3272872E-02	0.19735E-02	1.658	0.09723	
BAMAM	-0.3156194	0.67288E-01	-4.691	0.00000	
BAMAF	0.4068990	0.56354E-01	7.220	0.00000	
BAMK	-0.1797703	0.82551E-01	-2.178	0.02943	
BAMQ	0.1924518	0.20379E-01	9.444	0.00000	
BAFAF	-0.6431828E-01	0.63451E-01	-1.014	0.31074	
BAFK	-0.2112474	0.74263E-01	-2.845	0.00445	

Residual covariance matrix

Variable	Coefficient	Standard Error	z=b/s.e.	P[ <sup>3</sup> Z <sup>3</sup> dz]	Mean of X
AY	0.2342347E-01	0.15626E-01	1.499	0.13387	
BYY	0.2338208E-01	0.62634E-02	3.733	0.00019	
BYAM	-0.4936779E-01	0.10299E-01	-4.794	0.00000	
BYAF	0.2061827E-01	0.92032E-02	2.240	0.02507	
BYQ	0.1350522E-03	0.18619E-02	0.073	0.94218	
AAM	-1.021115	0.15678	-6.513	0.00000	

Residual covariance matrix

$$\tilde{f}^{\frac{1}{4}}$$

Residual covariance matrix

	CY	CAM	CAF
CY	0.1159E-03		
CAM	0.1030E-02	0.1269E-01	
CAF	0.3809E-03	0.3246E-02	0.1091E-01