Appendix B. aML Code for the MIMIC Specification for Food Hardships

```
define regressor set BetaX;
   var = 1 age male black hsormore survyear cpreschn cschage
         oth_adlt married inc_amt inc_miss piuilg2 fsdaylg1 fsdaylg2;

define normal distribution; dim=1; number of integration points = 15;
   name = eps;

define parameter delta2;

define parameter lambda2;

define vector q34cut; dim=2;

define parameter lambda3;

define parameter delta5;

define parameter lambda5;

define parameter delta6;

define parameter lambda6;

probit model;
   outcome = q1;
   model = regset BetaX + intres(draw=1, ref=eps);

probit model;
   outcome = q2;
   thresholds = delta2;
   model = par lambda2 * regset BetaX
           + par lambda2 * intres(draw=1, ref=eps);

ordered probit model;
   outcome = q3+q4 q3+q4+1;
   thresholds = q34cut;
   model = par lambda3 * regset BetaX
           + par lambda3 * intres(draw=1, ref=eps);

probit model;
   outcome = q5;
   thresholds = delta5;
   model = par lambda5 * regset BetaX
           + par lambda5 * intres(draw=1, ref=eps);

probit model;
   outcome = q6;
   thresholds = delta6;
   model = par lambda6 * regset BetaX
           + par lambda6 * intres(draw=1, ref=eps);
```