

MODEL:
 SETS:
 PRODUCT / ROCKET, METEOR, STREAK, COMET, JET, TURTLE /
 : PROFIT, QTY, SETUP, BUILD ;
 RESOURCES / STEEL, COPPER, PLASTIC, RUBBER, GLASS, PAINT /
 : AVAIL ;
 RXP(RESOURCES, PRODUCT): USAGE;
 ENDSETS

[MAX] MAX = @SUM(PRODUCT(I):
 PROFIT(I) * QTY(I) - SETUP(I) * BUILD(I));
 @FOR(RESOURCES(I):
 @SUM(PRODUCT(J): USAGE(I, J) * QTY(J)) <= AVAIL(I));
 @FOR(PRODUCT(I):
 QTY(I) <= 1000 * BUILD(I);
 @BIN(BUILD(I));
 @GIN(QTY(I));

DATA:
 ! ROCKET METEOR STREAK COMET JET TURTLE;

PROFIT = 30 45 24 26 24 30;
 SETUP = 35 20 60 70 75 30;

AVAIL = !STEEL; 800
 !COPPER; 1160
 !PLASTIC; 1780
 !RUBBER; 1050
 !GLASS; 1360
 !PAINT; 1240;

USAGE = !STEEL; 1 4 0 4 2 0
 !COPPER; 4 5 3 0 1 0
 !PLASTIC; 0 3 8 0 1 0
 !RUBBER; 2 0 1 2 1 5
 !GLASS; 2 4 2 2 2 4
 !PAINT; 1 4 1 4 3 4;

ENDDATA
 END