Appendix A: Documentor Listing

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  POPULATION SECTOR

POP.E=P1.K+P2.K+P3.K+P4.K                                        1, A
    POP     - POPULATION (PERSONS)
    P1      - POPULATION, AGES 0-14 (PERSONS)
    P2      - POPULATION, AGES 15-44 (PERSONS)
    P3      - POPULATION, AGES 45-64 (PERSONS)
    P4      - POPULATION, AGES 65+ (PERSONS)

P1.K=P1.J+(DT)(B.JK-D1.JK-MAT1.JK)                               2, L
P1=P1I                                                           2.1, N
P1I=65E7                                                         2.2, C
    P1      - POPULATION, AGES 0-14 (PERSONS)
    DT      - TIME INTERVAL BETWEEN CONSECUTIVE
              CALCULATIONS (YEARS)
    B       - BIRTHS PER YEAR (PERSONS/YEAR)
    D1      - DEATHS PER YEAR, AGES 0-14 (PERSONS/YEAR)
    MAT1    - MATURATION RATE, AGE 14-15 (PERSONS/YEAR)
    P1I     - P1 INITIAL (PERSONS)

D1.KL=P1.K*M1.K                                                  3, R
    D1      - DEATHS PER YEAR, AGES 0-14 (PERSONS/YEAR)
    P1      - POPULATION, AGES 0-14 (PERSONS)
    M1      - MORTALITY, AGES 0-14 (DEATHS/PERSON-YEAR)

M1.K=TABHL(M1T,LE.K,20,80,10)                                    4, A
M1T=.0567/.0366/.0243/.0155/.0082/.0023/.001                     4.1, T
    M1      - MORTALITY, AGES 0-14 (DEATHS/PERSON-YEAR)
    TABHL   - A FUNCTION WITH VALUES SPECIFIED BY A TABLE
    M1T     - M1 TABLE
    LE      - LIFE EXPECTANCY (YEARS)

MAT1.KL=(P1.K)(1-M1.K)/15                                        5, R
    MAT1    - MATURATION RATE, AGE 14-15 (PERSONS/YEAR)
    P1      - POPULATION, AGES 0-14 (PERSONS)
    M1      - MORTALITY, AGES 0-14 (DEATHS/PERSON-YEAR)

P2.K=P2.J+(DT)(MAT1.JK-D2.JK-MAT2.JK)                            6, L
P2=P2I                                                           6.1, N
P2I=70E7                                                         6.2, C
    P2      - POPULATION, AGES 15-44 (PERSONS)
    DT      - TIME INTERVAL BETWEEN CONSECUTIVE
              CALCULATIONS (YEARS)
    MAT1    - MATURATION RATE, AGE 14-15 (PERSONS/YEAR)
    D2      - DEATHS PER YEAR, AGES 15-44 (PERSONS/YEAR)
    MAT2    - MATURATION RATE, AGE 44-45 (PERSONS/YEAR)
    P2I     - P2 INITIAL (PERSONS)

D2.KL=P2.K*M2.K                                                  7, R
    D2      - DEATHS PER YEAR, AGES 15-44 (PERSONS/YEAR)
    P2      - POPULATION, AGES 15-44 (PERSONS)
    M2      - MORTALITY, AGES 15-44 (DEATHS/PERSON-YEAR)
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