```
JPICU.K=(TABHL(JPICUT,IOPC.K,50,800,150))*1E-3        75, A
JPICUT=.37/.13/.12/.09/.07/.06                        75.1, T
    JPICU  - JOBS PER INDUSTRIAL CAPITAL UNIT (PERSONS/
             DOLLAR)
    TABHL  - A FUNCTION WITH VALUES SPECIFIED BY A TABLE
    JPICUT - JPICU TABLE
    IOPC   - INDUSTRIAL OUTPUT PER CAPITA (DOLLARS/
             PERSON-YEAR)
```

Potential Jobs in Service Sector PJSS

```
PJSS.K=(SC.K)(JPSCU.K)                                76, A
    PJSS   - POTENTIAL JOBS IN SERVICE SECTOR (PERSONS)
    SC     - SERVICE CAPITAL (DOLLARS)
    JPSCU  - JOBS PER SERVICE CAPITAL UNIT (PERSONS/
             DOLLAR)
```

The potential jobs in the service sector PJSS are taken as the product of service capital SC and the number of jobs per service capital unit JPSCU. The relationship of JPSCU to the service output per capita SOPC was computed from Figures 3-7 and 3-25 through six steps analogous to those employed to determine the relation of JPICU to IOPC. SCOR was assumed to equal 1.0 in estimating the magnitude of the service capital stock in each country. The necessary data were available for 16 countries, and the relationship they suggest is shown in Figure 3-28. The empirical results of Figure 3-28 were incorporated in a table JPSCU (Figure 3-29).

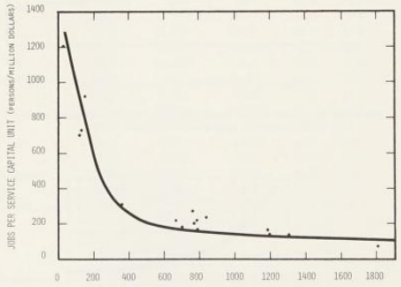

Figure 3-28 Empirical relationship between the jobs per service capital unit and the service output per capita for sixteen countries

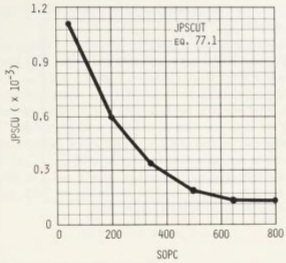

Figure 3-29 Jobs per service capital unit table

```
JPSCU.K=(TABHL(JPSCUT,SOPC.K,50,800,150))*1E-3        77, A
JPSCUT=1.1/.6/.35/.2/.15/.10                          77.1, T
    JPSCU  - JOBS PER SERVICE CAPITAL UNIT (PERSONS/
             DOLLAR)
    TABHL  - A FUNCTION WITH VALUES SPECIFIED BY A TABLE
    JPSCUT - JPSCU TABLE
    SOPC   - SERVICE OUTPUT PER CAPITA (DOLLARS/PERSON-
             YEAR)
```

Potential Jobs in Agriculture Sector PJAS

```
PJAS.K=(JPH.K)(AL.K)                                  78, A
    PJAS   - POTENTIAL JOBS IN AGRICULTURAL SECTOR
             (PERSONS)
    JPH    - JOBS PER HECTARE (PERSONS/HECTARE)
    AL     - ARABLE LAND (HECTARES)
```

The potential number of jobs in the agriculture sector PJAS is defined to be the product of the jobs per hectare JPH and the total number of hectares of arable land AL. JPH is a function of the agricultural inputs per hectare AIPH, defined in Chapter 4. We did find empirical data relating the jobs per hectare to the GNP per capita for nineteen countries. However, our information on agricultural inputs per hectare in those countries was obtained indirectly through the use of several approximations. Employing data from the United States Department of Agriculture