**JOIN David XEROX**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| | | | | | | | David, $0 |

**JOIN Mario XEROX**
**JOIN John Digital**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| | | | John, $0 | | | | Mario, $0 |
| | | | | | | | David, $0 |

**JOIN Fred Digital**
**JOIN Phil IBM**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| | | | Fred, $0 | Phil, $0 | | | Mario, $0 |
| | | | John, $0 | | | | David, $0 |

**CHANGE Fred NEC**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| | | | John, $0 | Phil, $0 | | Fred, $0 | Mario, $0 |
| | | | | | | | David, $0 |

**JOIN Miriam Digital**
**JOIN Sharon Microsoft**
**JOIN Harvey Digital**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| | | | Harvey, $0 | Phil, $0 | Sharon, $0 | Fred, $0 | Mario, $0 |
| | | | Miriam, $0 | | | | David, $0 |
| | | | John, $0 | | | | |

**CHANGE Miriam Borland**
**PAYDAY**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| | Miriam, $1000 | | Harvey, $1000 | Phil, $1000 | Sharon, $1000 | Fred, $1000 | Mario, $1000 |
| | | | John, $2000 | | | | David, $1000 |

**EMPLOYEES Digital**
**JOIN Marge Borland**
**JOIN Lesley Microsoft**
**JOIN Sam Digital**
**JOIN George NEC**
**JOIN Bob Borland**
**JOIN Susan IBM**
**JOIN Joshua Digital**
**JOIN Max NEC**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX | |
|---|---|---|---|---|---|---|---|---|
| | Bob, $0 | | Joshua, $0 | Susan, $0 | Lesley, $0 | Max, $0 | Mario, $1000 | EMPLOYEES Digital (Print out employees in Digital). |
| | Marge, $0 | | Sam, $0 | Phil, $1000 | Sharon, $1000 | George, $0 | David, $1000 | Harvey, John |
| | Miriam, $1000 | | Harvey, $1000 | | | Fred, $1000 | | |
| | | | John, $2000 | | | | | |

**PAYDAY**
**EMPLOYEES IBM**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX | |
|---|---|---|---|---|---|---|---|---|
| | Bob, $1000 | | Joshua, $1000 | Susan, $1000 | Lesley, $1000 | Max, $1000 | Mario, $2000 | |
| | Marge, $2000 | | Sam, $2000 | Phil, $2000 | Sharon, $3000 | George, $2000 | David, $3000 | EMPLOYEES IBM (Print out employees in IBM) |
| | Miriam, $4000 | | Harvey, $4000 | | | Fred, $4000 | | Susan, Phil |
| | | | John, $6000 | | | | | |

**EMPLOYEES Digital**

EMPLOYEES Digital (Print out employees in Digital)
Joshua, Sam, Harvey, John

**EMPLOYEES NEC**

EMPLOYEES NEC (Print out employees in NEC)
Max, George, Fred

**JOIN Tim IBM**
**DEMOTE Harvey**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| | Bob, $1000 | | Joshua, $1000 | Tim, $0 | Lesley, $1000 | Max, $1000 | Mario, $2000 |
| | Marge, $2000 | | Harvey, $4000 | Susan, $1000 | Sharon, $3000 | George, $2000 | David, $3000 |
| | Miriam, $4000 | | Sam, $2000 | Phil, $2000 | | Fred, $4000 | |
| | | | John, $6000 | | | | |

**PROMOTE Max**
**DEMOTE Marge**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| | Marge, $2000 | | Joshua, $1000 | Tim, $0 | Lesley, $1000 | George, $2000 | Mario, $2000 |
| | Bob, $1000 | | Harvey, $4000 | Susan, $1000 | Sharon, $3000 | Max, $1000 | David, $3000 |
| | Miriam, $4000 | | Sam, $2000 | Phil, $2000 | | Fred, $4000 | |
| | | | John, $6000 | | | | |

**CHANGE Marge IBM**
**QUIT John**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| John, $6000 | Bob, $1000 | | Joshua, $1000 | Marge, $2000 | Lesley, $1000 | George, $2000 | Mario, $2000 |
| | Miriam, $4000 | | Harvey, $4000 | Tim, $0 | Sharon, $3000 | Max, $1000 | David, $3000 |
| | | | Sam, $2000 | Susan, $1000 | | Fred, $4000 | |
| | | | | Phil, $2000 | | | |

**PAYDAY**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| John, $6050 | Bob, $2000 | | Joshua, $2000 | Marge, $3000 | Lesley, $2000 | George, $3000 | Mario, $3000 |
| | Miriam, $6000 | | Harvey, $6000 | Tim, $2000 | Sharon, $5000 | Max, $3000 | David, $5000 |
| | | | Sam, $5000 | Susan, $4000 | | Fred, $7000 | |
| | | | | Phil, $6000 | | | |

**QUIT Mario**
**QUIT David**
**PROMOTE Marge**
**PROMOTE Marge**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| David, $5000 | Bob, $2000 | | Joshua, $2000 | Tim, $2000 | Lesley, $2000 | George, $3000 | |
| Mario, $3000 | Miriam, $6000 | | Harvey, $6000 | Susan, $4000 | Sharon, $5000 | Max, $3000 | |
| John, $6050 | | | Sam, $5000 | Marge, $3000 | | Fred, $7000 | |
| | | | | Phil, $6000 | | | |

**PAYDAY**
**UNEMPLOYED**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX | |
|---|---|---|---|---|---|---|---|---|
| David, $5050 | Bob, $3000 | | Joshua, $3000 | Tim, $3000 | Lesley, $3000 | George, $4000 | | |
| Mario, $3050 | Miriam, $8000 | | Harvey, $8000 | Susan, $6000 | Sharon, $7000 | Max, $5000 | | UNEMPLOYED (Print unemployed employees) |
| John, $6100 | | | Sam, $8000 | Marge, $6000 | | Fred, $10000 | | David, Mario, John |
| | | | | Phil, $10000 | | | | |

**JOIN John Compaq**
**QUIT Phil**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| Phil, $10000 | Bob, $3000 | John, $6100 | Joshua, $3000 | Tim, $3000 | Lesley, $3000 | George, $4000 | |
| David, $5050 | Miriam, $8000 | | Harvey, $8000 | Susan, $6000 | Sharon, $7000 | Max, $5000 | |
| Mario, $3050 | | | Sam, $8000 | Marge, $6000 | | Fred, $10000 | |

**JOIN Phil Compaq**
**DUMP**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX | |
|---|---|---|---|---|---|---|---|---|
| David, $5050 | Bob, $3000 | Phil, $10000 | Joshua, $3000 | Tim, $3000 | Lesley, $3000 | George, $4000 | | |
| Mario, $3050 | Miriam, $8000 | John, $6100 | Harvey, $8000 | Susan, $6000 | Sharon, $7000 | Max, $5000 | | DUMP (Print all employees) |
| | | | Sam, $8000 | Marge, $6000 | | Fred, $10000 | | |

**DEMOTE Bob**
**DEMOTE John**

| Unemployed | Borland | Compaq | Digital | IBM | Microsoft | NEC | XEROX |
|---|---|---|---|---|---|---|---|
| David, $5050 | Bob, $3000 | John, $6100 | Joshua, $3000 | Tim, $3000 | Lesley, $3000 | George, $4000 | |
| Mario, $3050 | Miriam, $8000 | Phil, $10000 | Harvey, $8000 | Susan, $6000 | Sharon, $7000 | Max, $5000 | |
| | | | Sam, $8000 | Marge, $6000 | | Fred, $10000 | |

**END**　　　　　　　　　　END (Stop reading input from file)