

```

    program ratio
    parameter(nf=5000)
*****
* This program calculates the ratio of two files.
* From standard input it reads:
*   filename 1
*   filename 2
* the two files should have the format x y z, with equal length and x's
* on standard output it produces x y1/y2 z1/z2
*****
    real x(nf),y1(nf),y2(nf),z1(nf),z2(nf)
    integer i,mm
    character*40 fillow,filhig
    read(*,'(a40)') fillow
    read(*,'(a40)') filhig
    open(12,file=fillow)
    open(13,file=filhig)
    do 10 i=1,nf
        read(12,*,end=11) x(i),y1(i),z1(i)
10    continue
11    close(12)
        mm=i-1
        do 20 i=1,mm
            read(13,*,END=21) x(i),y2(i),z2(i)
20    continue
21    close(13)
        do 30 i=1,mm
            write(*,*) x(i),y1(i)/y2(i),z1(i)/z2(i)
30    continue
    end

```