In dude (mouth. h)

Indude 2 mpi.h)

Anderde & Adjoin)

Indude 6 Std lib. h)

mcleude < Hine. h)

void po-set-input (int + input 1, int = inputs);

void po-sud_ input (int input), int input);

Nota por recent - output (Int a output), but a output);

mt pi-reune-input();

fat inte pl- compute - output (ht output!);

word DI. sed. output (It output);

int pr-recive input ();

Int P2- wapte - output (nt April)];

pr-sed output (Me o speck 2);

voice Brokenpin:

Int nech (nt ange, Un + argue ())

7

int tol; iem. inget, ojuputs, outputs, odputs, P;

double whime;

nPI-Inik (dage, dage);

profit in will motifask -falal ensin');

builto mel-ris acques son Im Itor p.);

```
2
```

```
ezik(n),
 icen = MPI - Lomm - Rock (MPI, LAME - WODED, ald);
         MPI com - By (MPI. COMM - NORIN, dp)
 ieur =
  16 ( 183)
    by (. 14, ):
    prod ( MPI - MU TITAIN - Fated en! In');
    press 1 " 100. of available process and be atteast & no ).
    ien = Mel Frall & U;
     CHT (0);
   1 ( 10:0)
      thestoup ();
        ("1~1);
         pould ( " NOI - MOLTITALE In");
        print (" ( 1 MPLNeurion 1 n");
     where = MDI_Whee();
    po-set- input (1) putl, a input 1);
    po- and in pulk ( inpull, inpulk )
     po-reen - outpre (a supplie, 4 outpreb 1);
    where = nPl-Whom () - where;
    ponty (" Procen o me = 7-9(1", whoo);
      , en = MP1 - Pinalize ();
      bungle, 10, wb1-woffileskind10, );
      pent] (" Nord ed of execution In");
       Knobberp ().
```

```
else 11 ( 1d = =1)
 y me = whimme 1);
      input 1 = Placer - input ()
      office 1 = Pl-wayste outpet (i-put);
     pl- sed - output (output 1);
 while = mp1 - while ;
  parts (" Pro an 1 the = "9", " me);
   Tech = MP1- Phelize 1):
   3
  else. if ( id== >)
  while = Mol- whe ();
   inputs = 12 reene input();
     outpubs = 12- un prite -output (hiprits);
   p2 - Sed - output (output);
 where = plane () - n me;
  prof 1 hour 2 hrs = mg la", while),
  icu = MPI- Fralig ();
 reborn o;
 )
voice posets i spel ( int + supeter, set + supeter)
    min prel = 1000000;
    tight = 100000;
   prof (" In set INPUTIE Yoll , x liped 1);
    prof (" INPUTZ = Vid (n 4, # = A rent 2);
   rom n; )
```

```
void pol- Sad- Pyat ( Pat ) put 1, out April 1)
   of int id, long;
     int id=1, long=13
  ANDL Sound ( Fin publ. 1. MPI. IN 1, rd, dag, NPI- com-world);
    Not = 2 ;
    MIL send I expect, I, MIL INT. Id, toy, MPI-LOMA- MODINST.
     reliam;
     5
   void po-recive-outpok (int x soutpet), but 10 that 2)
    < int offer;
      Int output - received;
      int some;
       MI - Stalus for Stalus;
      output - remed = 0;
    while ( output - reined (2)
      MPI- Recv ( 4 outful, 1, MPI- INT, MPI- ENV. SOUPCE, MPI- ANV- TAGE,
         mil. comm- wollD. & Sterry);
     Jama = States. MPI_800F(E;
       1) ( som ==1)
           Louly = output;
```

ess ~

```
1
zoulpul? = output;
output - record = output - record + 1;
promp ("In Drocon I refined OUTPUT) = 4d In", to Spill 1);
prints!" Powen 2 rehard butput 2 = 1.010", a output s);
12 ml placem - Pipel ()
 L int id:
    inte input!
    MPI - stalm Stalus;
     jut log;
     11 - 0;
     rag = 1;
   MPI- Recul Ampull. 1, MPI-2NT, id, Lag, MPI-COM-MORID,
             + sheely);
   return sprte!;
  Int prompte-output ( int input)
    it is it outputs
    :0 = 1 mg los
  for ( 1=2; ) 1 = Input 1; 1+4)
```

```
while (12)
  (j (j % L) == 6)
      die
     i) (o capode 1 × K)
        2 output = K;
Nord PI-Sed- octpile (Ne outpita)
   L
    int od, tag;
   id=0; tag=3:
   NPI- End ( 80 effect, 1, MPI-INT, id, tag, MPI-WML-WODID),
   X
     int id, Moto 2
   NPI- Heat salm
    10 :0;
    MPI- Recolding to 1, MPL my, tag, MI- LOMA. WORING etaly).
```

```
volum i put 2;
\mathcal{I}
ist p2-compute-output ( who while )
2
     161, 3, Outputs,
 int pom ;
  o ulpot 2 = 9;
  for ( icz; i ( =) upik ; i++)
     / pme = 1;
       box ( j = 2 ) ; Li ; j ++)
           1,1 ( 1 .4)) == 0)
          pm = 0;
      if ( proc) houtple it = +;
 Noted P2-Sed-outpite (Ne oalpit 2)
   nat ad , long;
    10 = 0 ;
    NPL Sud ( A outpile 2, 1, MPI-INT, Pd, log, MPL COM. LOIDD);
      num.
```

```
of protospel ( to opper)
```

Westie Un me both (7 me - 117 ED;

lost und for a to

How - + now;

now = har (NULL);

to = weather (a now);

Staffere & the -butter, TIME-SIRE, MID VB VYI VM VS V.P. Im);

do undel TIME-SIZE

mpice pt.c -o pt.

MOI_MUTITASK

PO_SE 7- PARMETERS

121011 = 1200000 SE

INPUT) = 100000

Protess 2 hm = 300771

Protess 1 returned OUTPUTI = 618 Proce 2 relied 007P012 = 9592.

Inoun 1 hor = 10.8793

MAI - MUTITIASIC

Noquel ed of exemsion.