28/6/23 dab-3 monte a program to shadely wan preauptine polovity queue # Pullade Lotato. h> # andude Letal Pb. h > gut altid, +, policid tat [10], nut [10], n, the = 09, modeled, py [10], (0= 0, napr, 2 word magn () 5 PCia; partity ("Inter number of process \"); Sang ("1.d", &n); posity (" Inter assired fines : \") for(9=0; 9Ln; ++) Say (" 1.d", 8 at (F)); pointy ("Inter process times: \n"); for (P=0', (<n; ?++) say(" 1-d", & pt[P]); pearly ("Enter personary: \n") for(==0; PCU; P++) Sany ("-1.d"; & pay (F); for(P=0; 9Cn; P++) gready [P] = 0; for (9=0; 9Cn; 8++). P(P) = pt(P); for (9=0; 9Ln;9++) Ame += pt(P); t=n;

```
while (t--)
  for (7=0;92n;9++)
   if (or> = atti)
      900dy [9) = 1;
  for (9=0, PCn, 9++)
      9+(p+(P) = = -0)
        py(1)=0;
  maxper = pey (5);
 ful( = 0; = 1 Kn; i+t)
   if Gready [i] == U
    if (pry (p) > max pri)
   morper = pay [];
fox (9=0;9Kn;9++)
  4 (moupa = : py (9))
      オート
pointy ("1d P1d", op, (x+1));
 op=op+pt(a)
 tat[2]= 0p;
 ready (2) = 0;
 pay[2]=0;
point (4 d) 00);
```

```
for (9-0,96 n;8++1)(
    test (7) = tat (P) - at (P)
  $06(9=0; PLN;9++)
    atut te dat [7]
     ut [9) = dat[]- put [];
   tor ( P= 0; Pcn; P++)@
       aut += ut[7];
        count = cut n;
      atal = atal /n;
     poetly ("In");
    for (9=0, PLN 1944)
       party ( " P + d + d + d )
       perinty (" ATA T = of In w
output:
Inta the you of Parcuity
John ter coasend ten: 0 123
Enterter Procentian 4 3 3
Listerthe Priority: 3
```

P1 P3	Pn Pg + 12
P1 4 P2 14 P3 5 P4 9	0 11 2 41
ATAT =	8.00;

for (90,960; PLN; P++)(

tal(P) = tal(P) - al(P)

br((P=0; PLN; P++))(

atal += atal(P);

aut += atal(P);

atal = atal(N;

put of ("In");

for (9=0; PLN; P++)

portif ("N 1 d 1 d (n" (2+1) fat(P) atal(P));

pearly ("ATAT = If In wr = 16; adat, and);

output:

Tenter the coase of Parounist Tenter the coase of the in 123 Enterthe Procention 4 3 3 5 Secretarthe Priority: 3 4 6 5

PIF	3 Ph P2 15	
P1 4 P2 14 P3 5 P4 9	D 11 2 Court Assembly	

ATAT = 8.005 (19)

```
ubate a C pagion to shedule the proces in reard notes
#Produde coldes - 45
put dq, at[10], pt(10), p(10), tim=0, op=0, r,j,h;
Put y= 9999, dy tg;
float at out, and;
 gut vy(gut n) f
   (f (pd(2) > f2) {
     Pt (2) -= +2;
     Op+= dq;
   elect opt = pt(x);
         pt [a] = 0;
         dat [2] = ap;
         Dready (2) =0;
       geotium x:
 masa () C
  boxual (c. Ing. umper of borocopy .. " " " !
  Say ( +-d", &n);
  possedy (" the associal time ");
   Sangell'Ad
  for(9:0; PK+n; (++)
      say ("/d'; & d(3)).
   party ("In Inth the peoces time!);
   for(8=0; PCN; 9++)
      Say ("1.d", & pt(P));
```

DORAL CUENTE TO IN Sany ("1d", 8 tq); for (9=0; 9cn; 9++) meady [F] =0; tor(P=0; PCN ; P++) 9(ह) = 5955; for (P=0; PCn; 1++) time += pt [7]; for (9=0) 9Kn; P++) Dready (P) =1', tor (9=0;96n; 1++) eg (ready (P) == 1) ₹ 9(++1)=P; while (op) = tin) { panty ("Ind", of); ig (2 == y) 9[++] y= t; ch=q(+) ig (pt [n] ! = 0) ([+])) xx = 2} printy ("P 1-d") parend for (9=0; 92

grand grabby posenty ("Ente top \n"); =0, T, J, h; Sany ("1d", 8+9); (10), 足; for (9=0; 9cn; 9++) ready (F) =0; tox(P=0; PCN (P++) 9(1) = 5955; for (P=0) PC n ; P++) time += pt [7]; for (9=0) 9Kn; P++) Dready (P) =1', for (?= 0; 96 n; 1++) eg (ready (P) == 1) { 9(++1)=P; while (op) = tine) { panty ("(" in ", of); ÿ(Z==y) 9[++t] y= t; (1) has + Luce ch=q[f] ig (at [n] ! = 0) { Z = YY(9[+]); punty ("P 1.d", (2+1)); pared for (9-0; PLN; P++) of

```
eg (op > = at(F) & f pt (F) != 0) {
    ty=0)
    3=f)
    while (JC=V)
    ( ig (P== q (T))
    fy=1;
    4 9++;
   ig (fg==0)
      9(++Y)=?)
  9 (Pt(+31=0)
      2C++ 1)=Z;
   f++;
for (P=0; PCn; P++) {
    dat (P) = dat (P) - at (P):
    aut (F) = bt [F] - p(F);
    atout += tat()
   aut + = cut(P);
atal = atal/n;
aut = aut/u;
```

poanty 11. +. Pt. d +. d pounts ("ATAT = -1. Output sente the us of pas Enty agricul to From process fine Inter ty 2 P1 P3 P1 F Pi 12 P2 12 P3 1 0 Py 0 10 PK Averegy PIAT = 8 Avory wT = 5.0

panty (" +P+d +d -1 d 1 n", (+1) +++(+), ext(1); pointy ("ATAT = -1. of In AWT- of", alot, and);

output

anto the us of process: 5 Enty agained time 012 84 Enter peroces time 53123

TO 1	Pol	PI	P2	B	B	Pi	P2	Ps	
0 2	. 3	3	7		j '	1	12	3	17

PI 12 9 ((c) bas - ga = (3) take 87 P2 0 12 19 - [0]-6 Py 10 PS

17/23

uport (2)= uptot (2) - (2) trope

(1) trigo = 7 lange.

0=(6) 500

Auerely prat = 8.025. Avery wT = 5.80