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         Operating System fractical
2. // C program to implement STF (PV Scheduling
algorithm
# Produde (Stdio. 4 7
  int main ()
   int bt [20], p[20], wt[20], tat[20], i,j,n, total=0,
   pos, temp;
  float aug-wt, aug-test;
  Print("Enter number of process",")"
  scanf ("/.d", &n);
  print ( 'm Enter Burst Time : (m");
 for (i=0; i<n; i++)
     printf ("p1/d:", i+1);
     scanf ("1.d", 2 bt [i]);
    P[i] = i+1;
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Il sorting of burst times
   for (i=0; i(n; i++)
                    pos = i;
               for(j=i+1), j< n, j+t)
             if (bt[j] x bt[pos])
                         pos=j;
        temp = bt [i];
      bt[i]=bt[pos];
        bt[bas] = temp; / land land land land
       tempe plil;
            P[i]= p[bos],
            p[pos] = temp;
                                                                                               Mary Joseph Mary David State of the State of
           ut[o] = 0;
for( i=1; i(n; i++)
            wt[i]: 6;
           for (j=0; j<i; j++)
              ut [i] += bt[j];
         total + = wt[i];
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aug=wt = (float) total/n;
total = 0;
print ("In Processt Buret Time twaitings imet
        turn around Time");
 for ci=0; i(n; i++)
   tatti] = b+ti] + wt[i];
  total + = + tat [i];
  print ("mp 1. d/ft 1. dft 1. d",
          p[i], bt[i], wt[i], tat[i]) ;
   3
  ang-tat = (float) total/n;
  print ('han Average waiting Time = 1.f", arguot);
  prints (" In Average Turnaround Time = 1. fr"),
          ovg-tat);
  return O:
```