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|  | 14+1                                      | 3.6 2011   |
|  | K++;                                      |  |
|  | 3   |  |
| 3.00   | र्  |  |
|  | it(i>= mid)                               |  |
|  | ξ · · · · · · · · · · · · · · · · · · ·   | V. H. Carrie   |
| e de la companya de l | ih+1;                                     |  |
| T  | for (1=1,1<= mid; 1++)                    | × (**)   |
|  | {Temp[k] = cook Time[] i k++i3            |  |
|  | ξ   |  |
|  | else it ( ) <= High)                      | A STATE OF THE STA |
|  | <b>\{</b>                                 |  |
|  | int li                                    |  |
|  | For (1=1, 1 = High; 1++)                  |  |
|  | & Temp[K] = Arr Time[1];                  |  |
|  | TempIFK) = cook Time[] ik++ig             |  |
|  | 3   |  |
|  | k = 6i                                    |  |
|  | for (i= Lowiz = High; i++)                |  |
|  | <b>S</b>                                  |  |
|  | Arr-Time[i] = Temp(IC);                   |  |
|  | COOK TIME [i] = TEMPI [K]                 |  |
|  | K++i                                      |  |
|  | 3   |  |
|  | 3   |  |
|  | void sivide (int low int High)            | 2  |
|  | IIg 1 11 11 11 11 11 11 11 11 11 11 11 11 | 2_23469\$.K3E9466  |

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|   | int + - H < ap [ [ 2],                  |   |
|   | Hxap[5/2]= Hxap[5];                     |   |
|   | Haup [5] = 1;                           |   |
|   | d=1ndxx[5/2];                           |   |
|   | Index[s/2]= Index[s];                   |   |
|   |   |   |
| 4                                       | Pasition[Index[5/2]] = 5/2;             |   |
| 7                                       | pasition [ Index (S]) = Si              |   |
|   | 5                                       |   |
|   | CISE                                    |   |
|   | break                                   |   |
|   | 5-5/21                                  |   |
|   | 5                                       |   |
|   | 3                                       |   |
|   | int Extract min()                       |   |
|   | ٩                                       |   |
|   | intN=Index[1];                          |   |
|   | int S=1;                                |   |
|   | 11 Print ( (''/. d/n", Heap[1]);        |   |
|   | [POSITION (N) = -1;                     |   |
|   | Index[1] = Index[sizz]i                 |   |
|   | Pasition[N] = -1                        |   |
|   | Heap (1) = Heap [siz <];                |   |
|   | while(1)                                |   |
|   | \$                                      |   |
|   | int Ti                                  |   |
|   | ib (Heap(c12) < Hrup[5] & 5*2 <= size11 |   |
| SONA                                    | 10 -1 -11 CUPLS 10 5,5 (= 21551)        | 6                                       |
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|      | 5                          |             |
|      | it (Heapts*2] (Heapts*2+1) |             |
|      | T= 5x 2;                   |             |
| "    | e15 t                      |             |
|      | T=5*2+1;                   |             |
|      | int to Heap[])             |             |
|      | Heap [] = Heap[s];         | - 1         |
|      | H = 40[6] = +:             |             |
| 9    | t=Index[T]i                |             |
|      | Indix [T]= Indix(S];       |             |
|      | Index [5]=+i               |             |
|      | position [Index [T]] = Ti  |             |
|      | pasition [Indexts])=Si     |             |
|      | 3                          |             |
|      | रिंद                       |             |
|      | byckici                    |             |
| # E  | (-T)                       |             |
|      | 3                          |             |
| ,    | Jutunu Nj                  |             |
|      | 3                          |             |
|      | voindlnt (int N)           |             |
|      | \$                         |             |
|      | intij                      |             |
|      | For (i=i/< Nii+t)          |             |
| -    | K .                        |             |
|      | pasition [i]= 0;           |             |
|      | Index[i]=0i                |             |
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|      | Hcap [i] = 100000001j   |
|      | 12  |
|      | Sizz=Ni   |
|      | 2   |
|      | int maid ()   |
|      | 3   |
|      | int A.T.CTi =1;   |
|      | int 1= Extract min();   |
|      | if (TiME) ATY TIME[]]   |
|      | \$  |
|      | wait Time + = Time-Arr Time[] + (60/c Time[]);                |
|      | TIME + = 100/c TIMI[]   |
|      | // Print f ("1, 1, 1, d 1, d \h", 1, Timz, wait Time);        |
| e    | 2   |
|      | else  |
|      | 5   |
|      | Time = Arr- Timeli] + (OOK Timeti];                           |
| )    | wait Timet = (ook TIME(1);                                    |
|      | 2   |
|      | 1/ print f ("1. 14. d 11 d 7. 11 d ) h', 1, Time, wait Fime); |
|      |   |
|      | 3 ,   |
|      | 1hsext (i, cook Time (i]);                                    |
|      | 1++ 1   |
|      | $\ \zeta^{(1)}\ $   |
|      |   |
|      |   |
| SONA | end.  |