N processes

var

number:array[0...n-1] of integer

(a,b)<(c,d) if a<c or if a=c and b<d

max(a0,….an-1)is a number,k such that k>=ai for i=0...n-1

number[i]=max(number[0],…….number[n-1])+1

for(j=0 to n-1)

Do

While number[j]!=0 and (number[j],j)<(number[i],i) do no_operation

end

CS

number[i]=0;

....

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for(j=0 to n-1)

Do

While number[j]!=0 and (number[j])<(number[i]) do no_operation

end

CS

number[i]=0;

....

numbers : array [0, ... (n-1)] of integers

$(a,b) < (c,d)$ if $a <= c$ and $b < d$.

$K = \max(a_i, a_{i+1}, \ldots a_{n-1})$ such that K > all $a_i, a_{i+1}, \ldots a_{n-1}$

numbers[i] = max(numbers[0], numbers[1], ... numbers[n-1]) + 1;

```
for (j = 0 to n-1)
{
        while ( numbers[j] != 0 and
                (numbers[j], j) < numbers[i], i))
        {
                do no. op
        }
}
 e s
numbers [i] = 0;
```