

Zach Domke

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CIS 315

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1.

$$j_i = \begin{cases} j_n & \text{if } i == n \\ j_i & \text{if } f_i \geq f_{i+1} \\ j_{i+1} & \text{if } f_i < f_{i+1} \end{cases}$$

or in other words:

```
if(fi < fi+1)  
    swap(ji, ji+1)
```

b. My greedy choice is that the next job to run will be the job with the largest  $f$  value. As this value does not matter until  $j_n$ .

2. blank	10
e	110
t	010
a	001
o	000
i	1111
n	1110
s	0111
h	0110

3.

