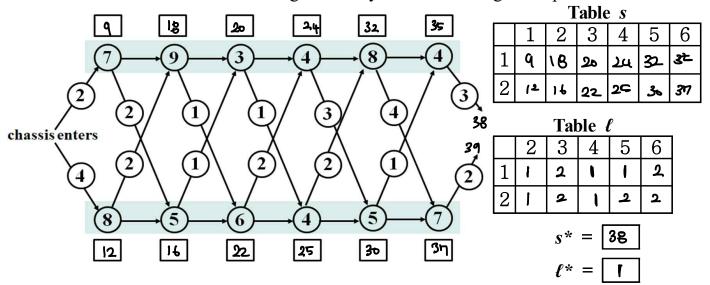
## Review 8-1

2023065380 RESE.

1. Fill in the blanks in the following assembly-line scheduling example.



2. Fill in the blanks in the following pseudocode for assembly-line scheduling.

FASTEST-WAY(
$$a, t, e, x, n$$
)

 $s[1][1] = e[1] + a[1][1]$ 
 $s[2][1] = e[2] + a[2][1]$ 

for  $j = 2$  to  $n$ 

do if  $s[1][j-1] + a[1][j] \le s[2][j-1] + t[2][j-1] + a[1][j]$ 
 $then s[1][j] = s[1][j-1] + a[1][j]$ 
 $t[1][j] = 1$ 
 $t[1][j] = 1$ 
 $t[1][j] = 2$ 

if  $t[1][j] = 2$ 

if  $t[1][j] = 2$ 

if  $t[1][j] = 2$ 
 $t[2][2] = 2$