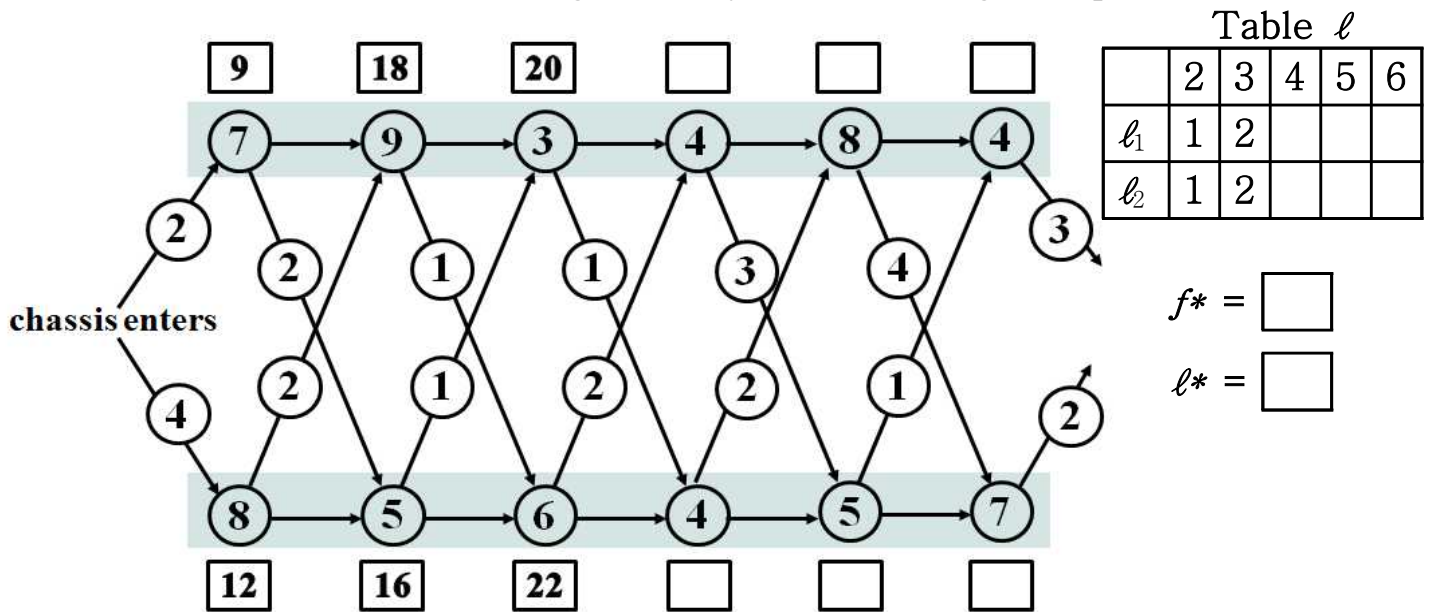


Review 8-1

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)

$f_1[1] = e_1 + a_{1,1}$

$f_2[1] = e_2 + a_{2,1}$

for $j = 2$ **to** n

do if $f_1[j-1] + a_{1,j} \leq f_2[j-1] + a_{1,j}$

then $f_1[j] = f_1[j-1] + a_{1,j}$

$l_1[j] = 1$

else $f_2[j] = f_2[j-1] + a_{2,j}$

$l_2[j] = 2$

if

then

else

if $f_1[n] + x_1 \leq f_2[n] + x_2$

then $f^* =$

$l^* =$

else $f^* =$

$l^* =$