$ClassName: {\bf Class\_03.2bp\text{-}31}$ 

BinSize:  $\underline{40 \times 40}$ ReduceSize:  $\underline{40 \times 40}$ 

TypeNum: <u>76</u>
Num: <u>80</u>
OutS: <u>28800</u>
InS: <u>25445</u>
Rate: <u>0.884</u>
UB: <u>18</u>
LB0: <u>18</u>
LB: <u>18</u>

LBWithCut:  $\underline{\mathbf{18}}$ NodeCut:  $\underline{\mathbf{0}}$ 

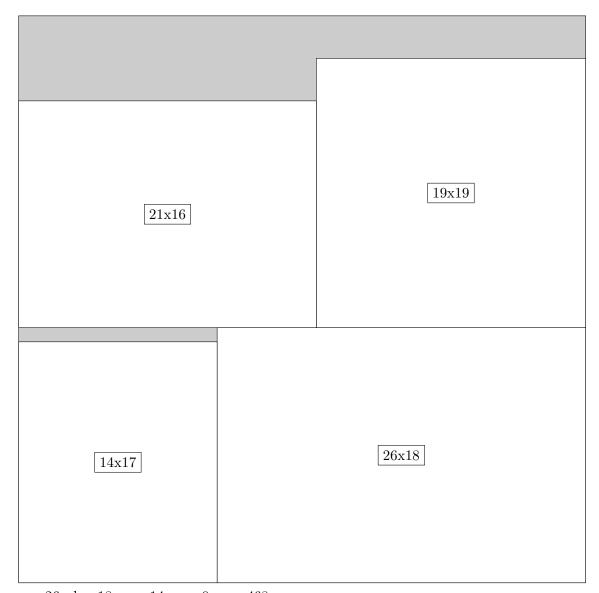
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{18}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt:  $\underline{\mathbf{true}}$ 

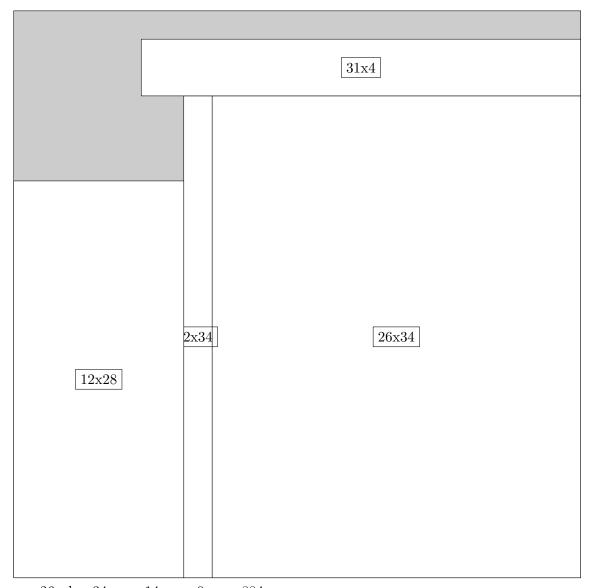
TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.329 s

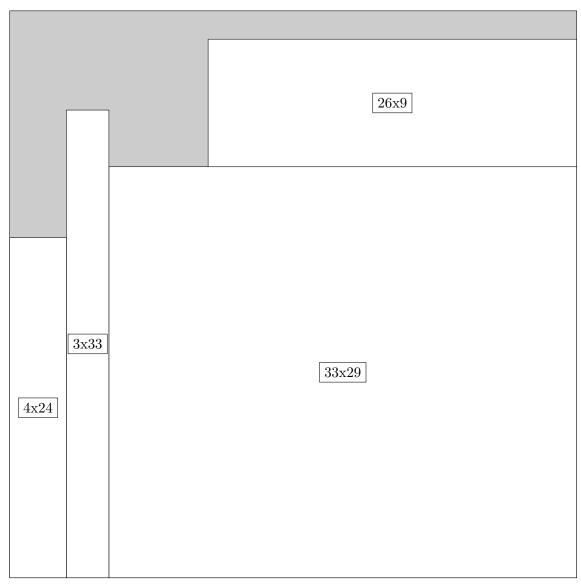


$$\begin{array}{l} w = 26 \ , \ h = 18 \ , \ x = 14 \ , \ y = 0 \ , \ v = 468 \\ w = 14 \ , \ h = 17 \ , \ x = 0 \ , \ y = 0 \ , \ v = 238 \\ \end{array}$$

$$w = 21$$
,  $h = 16$ ,  $x = 0$ ,  $y = 18$ ,  $v = 336$ 



 $\begin{array}{l} w=26 \ , \ h=34 \ , \ x=14 \ , \ y=0 \ , \ v=884 \\ w=2 \ , \ h=34 \ , \ x=12 \ , \ y=0 \ , \ v=68 \\ w=12 \ , \ h=28 \ , \ x=0 \ , \ y=0 \ , \ v=336 \\ w=31 \ , \ h=4 \ , \ x=9 \ , \ y=34 \ , \ v=124 \end{array}$ 



 $\begin{array}{l} w = \! 33 \ , \ h = \! 29 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 957 \\ w = \! 26 \ , \ h = \! 9 \ , \ x = \! 14 \ , \ y = \! 29 \ , \ v = \! 234 \\ w = \! 3 \ , \ h = \! 33 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 99 \\ w = \! 4 \ , \ h = \! 24 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 96 \end{array}$ 

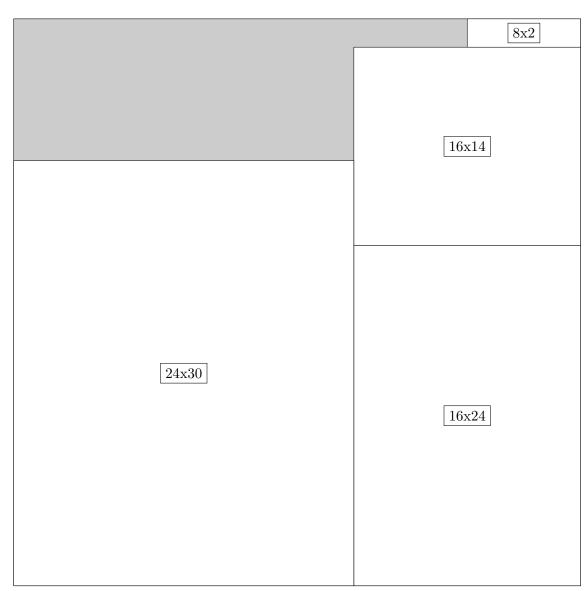
15x17	23x12
17x23	23x27

$$\le =23$$
 , h =27 , x =17 , y =0 , v =621

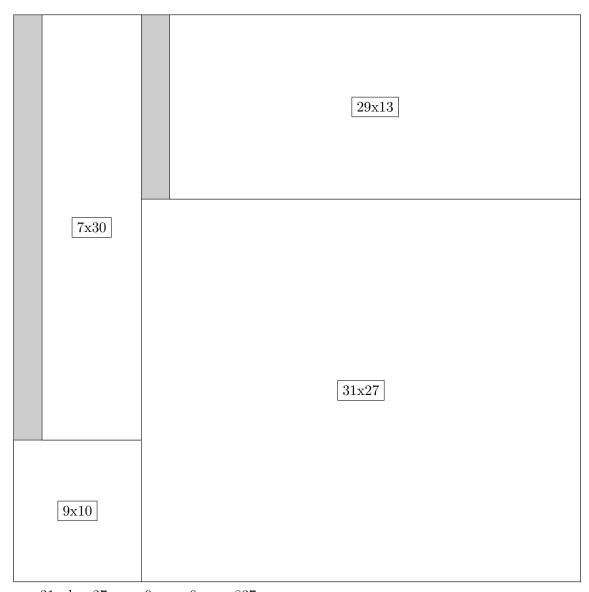
$$\le =23$$
 , h =12 , x =17 , y =27 , v =276

$$\le =17$$
 , h =23 , x =0 , y =0 , v =391

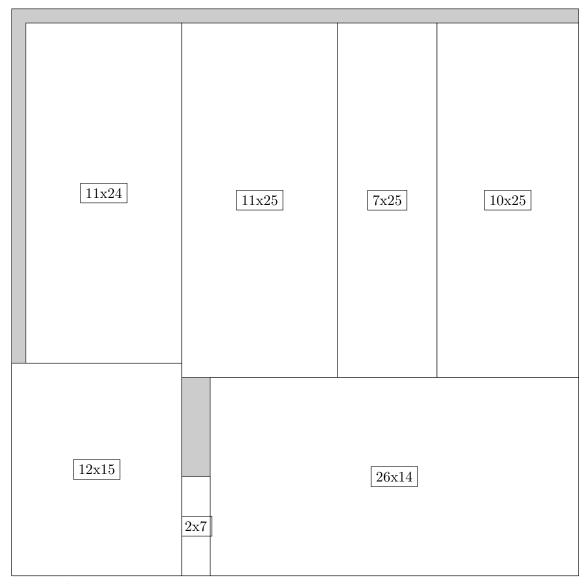
$$\le =15$$
 ,  $h$  =17 ,  $x$  =2 ,  $y$  =23 ,  $v$  =255



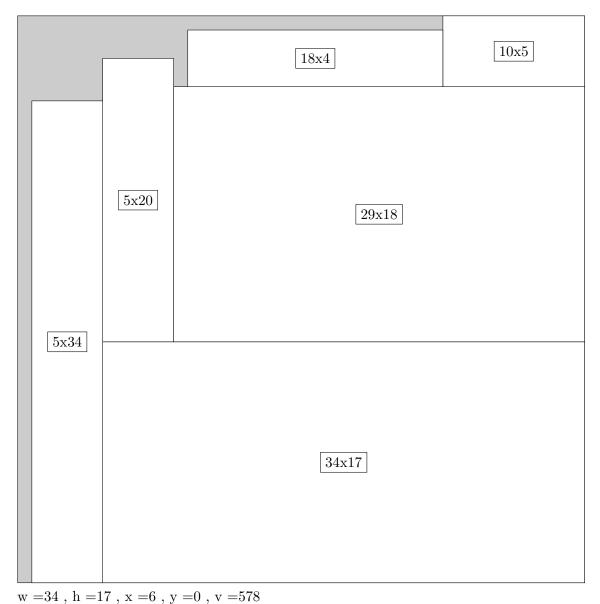
 $\begin{array}{l} w = \! 16 \ , \ h = \! 24 \ , \ x = \! 24 \ , \ y = \! 0 \ , \ v = \! 384 \\ w = \! 16 \ , \ h = \! 14 \ , \ x = \! 24 \ , \ y = \! 24 \ , \ v = \! 224 \\ w = \! 8 \ , \ h = \! 2 \ , \ x = \! 32 \ , \ y = \! 38 \ , \ v = \! 16 \\ w = \! 24 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 720 \end{array}$ 



$$\begin{array}{l} w = & 31 \ , \ h = & 27 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 837 \\ w = & 29 \ , \ h = & 13 \ , \ x = & 11 \ , \ y = & 27 \ , \ v = & 377 \\ w = & 9 \ , \ h = & 10 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 90 \\ w = & 7 \ , \ h = & 30 \ , \ x = & 2 \ , \ y = & 10 \ , \ v = & 210 \end{array}$$

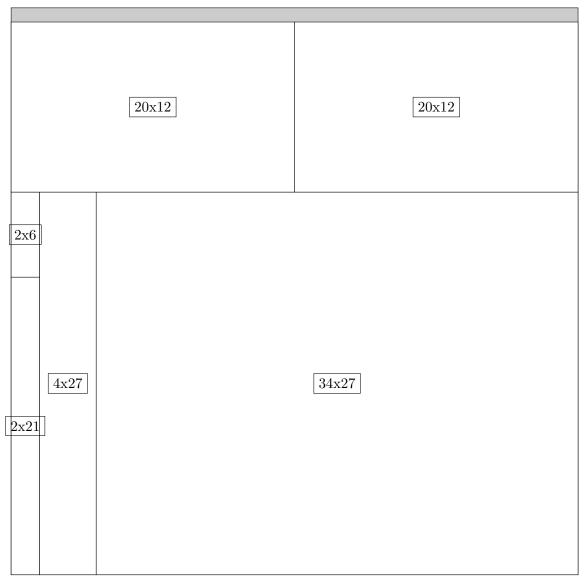


$$\begin{array}{l} w=26 \;,\; h=14 \;,\; x=14 \;,\; y=0 \;,\; v=364 \\ w=2 \;,\; h=7 \;,\; x=12 \;,\; y=0 \;,\; v=14 \\ w=10 \;,\; h=25 \;,\; x=30 \;,\; y=14 \;,\; v=250 \\ w=7 \;,\; h=25 \;,\; x=23 \;,\; y=14 \;,\; v=175 \\ w=11 \;,\; h=25 \;,\; x=12 \;,\; y=14 \;,\; v=275 \\ w=12 \;,\; h=15 \;,\; x=0 \;,\; y=0 \;,\; v=180 \\ w=11 \;,\; h=24 \;,\; x=1 \;,\; y=15 \;,\; v=264 \end{array}$$



w = 29 , h = 18 , x = 11 , y = 17 , v = 522 w = 29 , h = 18 , x = 11 , y = 17 , v = 522 w = 10 , h = 5 , x = 30 , y = 35 , v = 50 w = 18 , h = 4 , x = 12 , y = 35 , v = 72 w = 5 , h = 20 , x = 6 , y = 17 , v = 100

 $w=\!5$  ,  $h=\!34$  ,  $x=\!1$  ,  $y=\!0$  ,  $v=\!170$ 



$$w = 34$$
,  $h = 27$ ,  $x = 6$ ,  $y = 0$ ,  $v = 918$ 

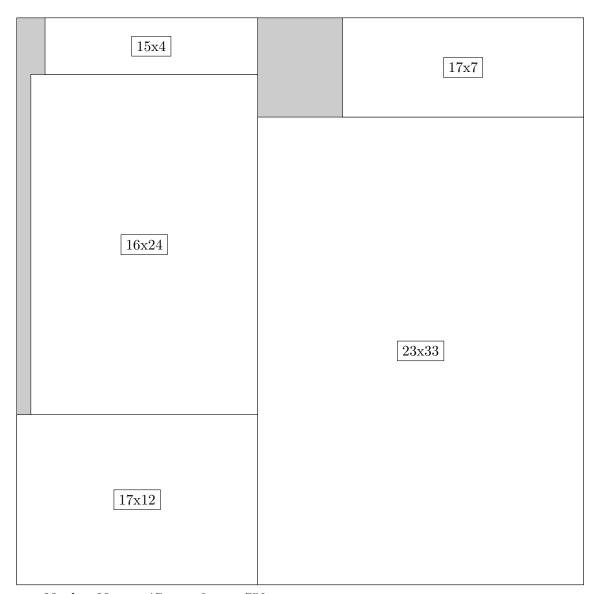
$$\mathbf{w}$$
 =4 , h =27 , x =2 , y =0 , v =108

$$\mathbf{w}$$
 =2 , h =21 , x =0 , y =0 , v =42

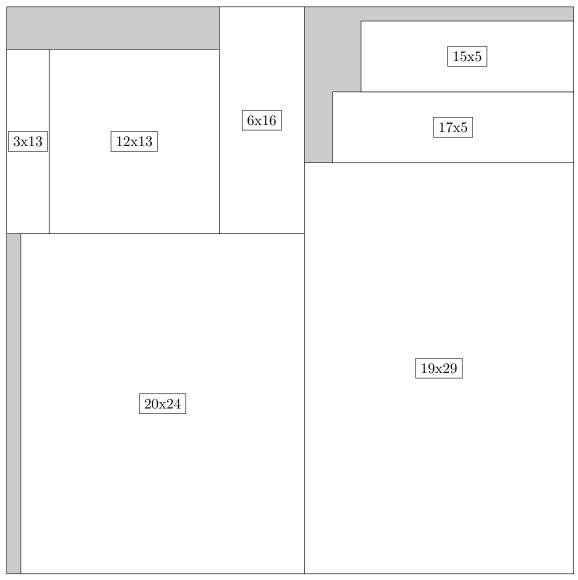
$$\mathbf{w}$$
 =2 , h =6 , x =0 , y =21 , v =12

$$\le =20$$
 ,  $h$  =12 ,  $x$  =20 ,  $y$  =27 ,  $v$  =240

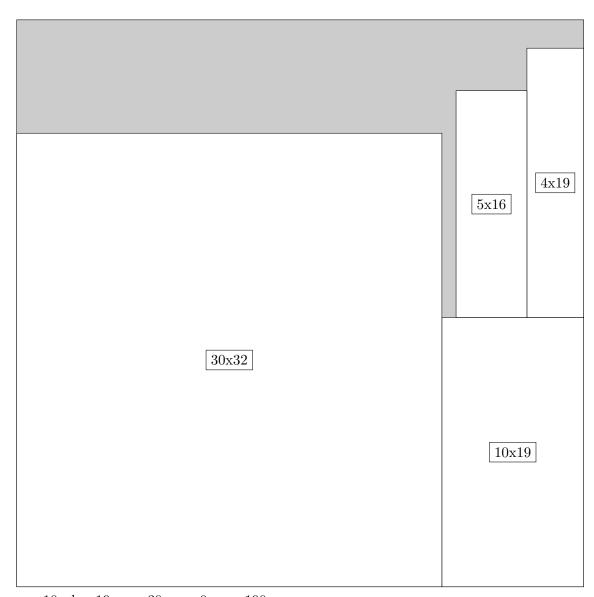
$$\le =20$$
 ,  $h=12$  ,  $x=0$  ,  $y=27$  ,  $v=240$ 



$$\begin{array}{l} w=23 \ , \ h=33 \ , \ x=17 \ , \ y=0 \ , \ v=759 \\ w=17 \ , \ h=7 \ , \ x=23 \ , \ y=33 \ , \ v=119 \\ w=17 \ , \ h=12 \ , \ x=0 \ , \ y=0 \ , \ v=204 \\ w=16 \ , \ h=24 \ , \ x=1 \ , \ y=12 \ , \ v=384 \\ w=15 \ , \ h=4 \ , \ x=2 \ , \ y=36 \ , \ v=60 \end{array}$$



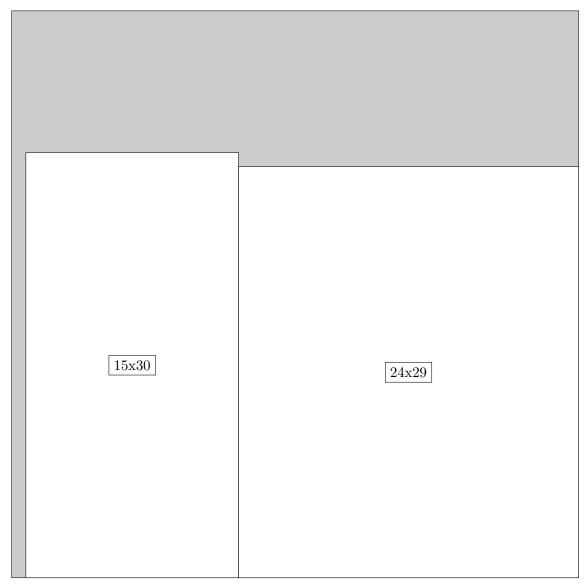
 $\begin{array}{l} w=19\;,\; h=29\;,\; x=21\;,\; y=0\;,\; v=551\\ w=17\;,\; h=5\;,\; x=23\;,\; y=29\;,\; v=85\\ w=15\;,\; h=5\;,\; x=25\;,\; y=34\;,\; v=75\\ w=20\;,\; h=24\;,\; x=1\;,\; y=0\;,\; v=480\\ w=6\;,\; h=16\;,\; x=15\;,\; y=24\;,\; v=96\\ w=12\;,\; h=13\;,\; x=3\;,\; y=24\;,\; v=156\\ w=3\;,\; h=13\;,\; x=0\;,\; y=24\;,\; v=39 \end{array}$ 



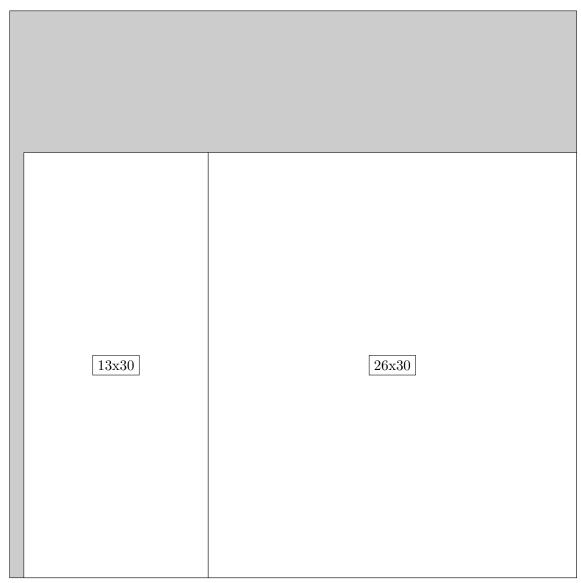
w =10, h =19, x =30, y =0, v =190 w =4, h =19, x =36, y =19, v =76

w =5 , h =16 , x =31 , y =19 , v =80

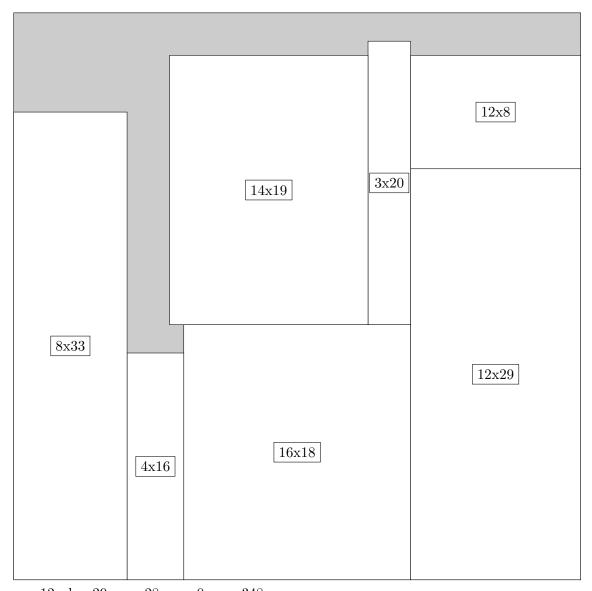
 $\mathbf{w}$  =30 , h =32 , x =0 , y =0 , v =960



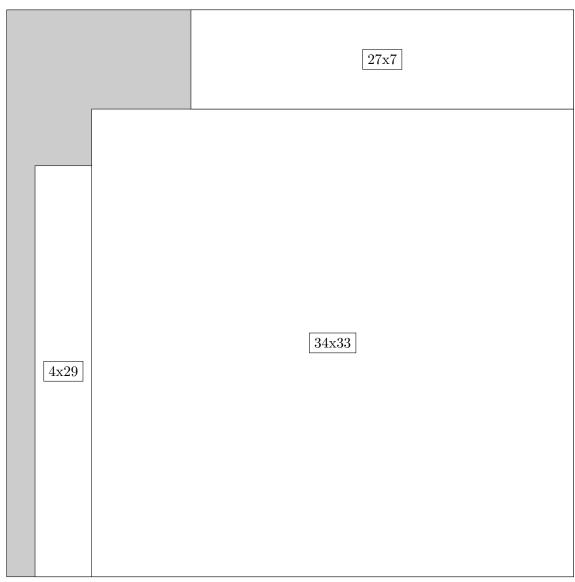
$$\begin{array}{l} w = \! 24 \ , \ h = \! 29 \ , \ x = \! 16 \ , \ y = \! 0 \ , \ v = \! 696 \\ w = \! 15 \ , \ h = \! 30 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 450 \end{array}$$



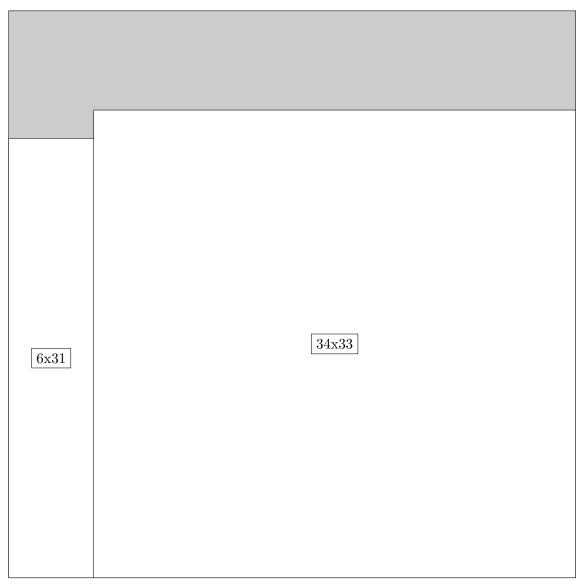
$$\begin{array}{l} w = 26 \ , \ h = \!\! 30 \ , \ x = \!\! 14 \ , \ y = \!\! 0 \ , \ v = \!\! 780 \\ w = \!\! 13 \ , \ h = \!\! 30 \ , \ x = \!\! 1 \ , \ y = \!\! 0 \ , \ v = \!\! 390 \end{array}$$



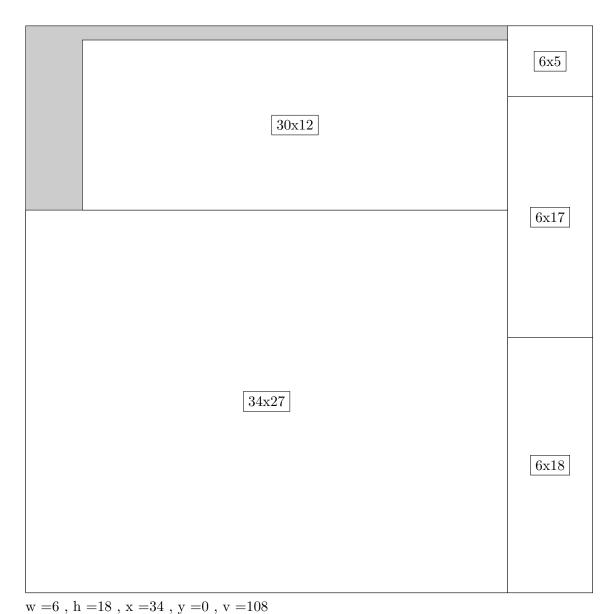
$$\begin{array}{l} w=12\;,\; h=29\;,\; x=28\;,\; y=0\;,\; v=348\\ w=12\;,\; h=8\;,\; x=28\;,\; y=29\;,\; v=96\\ w=16\;,\; h=18\;,\; x=12\;,\; y=0\;,\; v=288\\ w=4\;,\; h=16\;,\; x=8\;,\; y=0\;,\; v=64\\ w=3\;,\; h=20\;,\; x=25\;,\; y=18\;,\; v=60\\ w=14\;,\; h=19\;,\; x=11\;,\; y=18\;,\; v=266\\ w=8\;,\; h=33\;,\; x=0\;,\; y=0\;,\; v=264\\ \end{array}$$



 $\begin{array}{l} w = \! 34 \; , \; h = \! 33 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 1122 \\ w = \! 27 \; , \; h = \! 7 \; , \; x = \! 13 \; , \; y = \! 33 \; , \; v = \! 189 \\ w = \! 4 \; , \; h = \! 29 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 116 \end{array}$ 



w =34, h =33, x =6, y =0, v =1122 w =6, h =31, x =0, y =0, v =186



w = 30, h = 12, x = 4, y = 27, v = 360