${\bf ClassName:}~{\bf Class_03.2bp\text{-}33}$

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

TypeNum: <u>78</u>
Num: <u>80</u>
OutS: <u>28800</u>
InS: <u>26128</u>
Rate: <u>0.907</u>
UB: <u>18</u>
LB0: <u>18</u>
LB: <u>18</u>

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

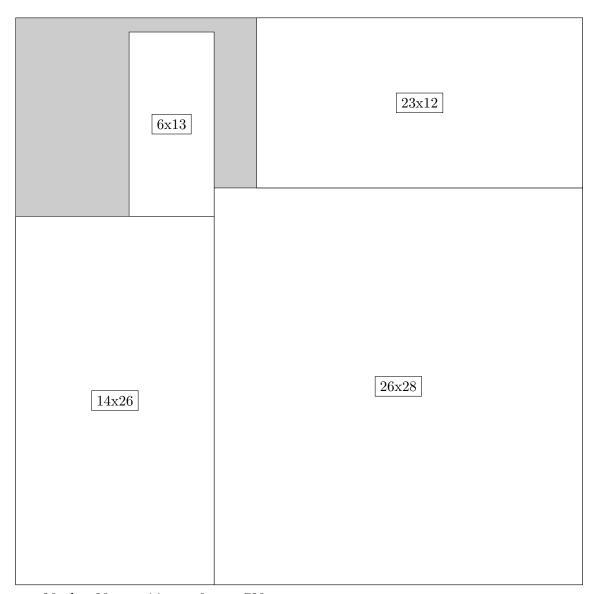
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

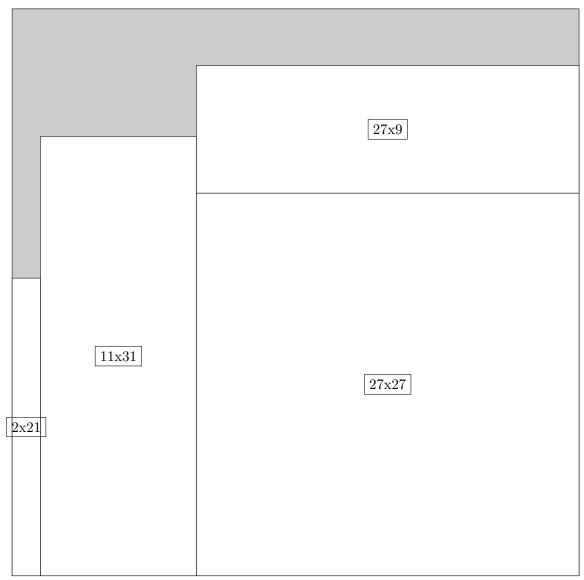
isOpt: $\underline{\mathbf{true}}$

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

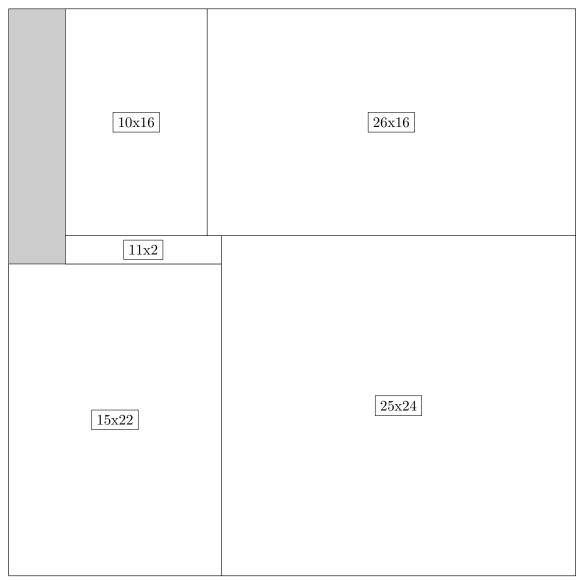
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.328 s



$$\begin{array}{l} w=26 \ , \ h=28 \ , \ x=14 \ , \ y=0 \ , \ v=728 \\ w=23 \ , \ h=12 \ , \ x=17 \ , \ y=28 \ , \ v=276 \\ w=14 \ , \ h=26 \ , \ x=0 \ , \ y=0 \ , \ v=364 \\ w=6 \ , \ h=13 \ , \ x=8 \ , \ y=26 \ , \ v=78 \end{array}$$



 $\begin{array}{l} w=27 \ , \ h=27 \ , \ x=13 \ , \ y=0 \ , \ v=729 \\ w=27 \ , \ h=9 \ , \ x=13 \ , \ y=27 \ , \ v=243 \\ w=11 \ , \ h=31 \ , \ x=2 \ , \ y=0 \ , \ v=341 \\ w=2 \ , \ h=21 \ , \ x=0 \ , \ y=0 \ , \ v=42 \end{array}$



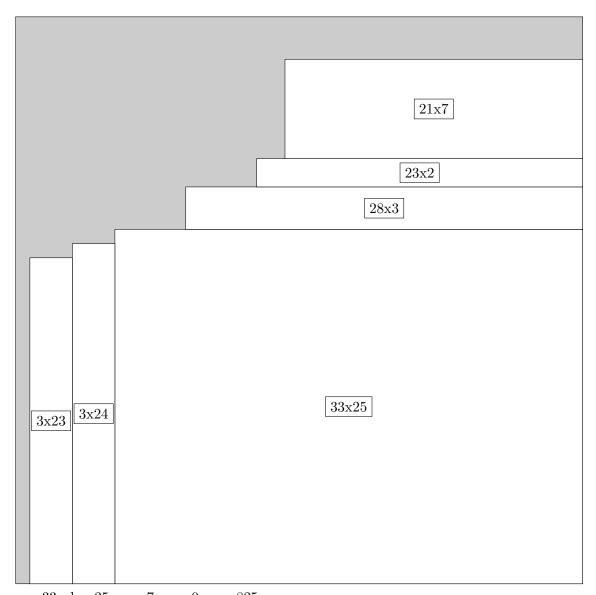
$$\le =25$$
 , h =24 , x =15 , y =0 , v =600

$$\le =15$$
 , h =22 , x =0 , y =0 , v =330

$$\le =11$$
 , h =2 , x =4 , y =22 , v =22

$$\mathbf{w}$$
 =26 , h =16 , x =14 , y =24 , v =416

$$\le =10$$
 , h =16 , x =4 , y =24 , v =160



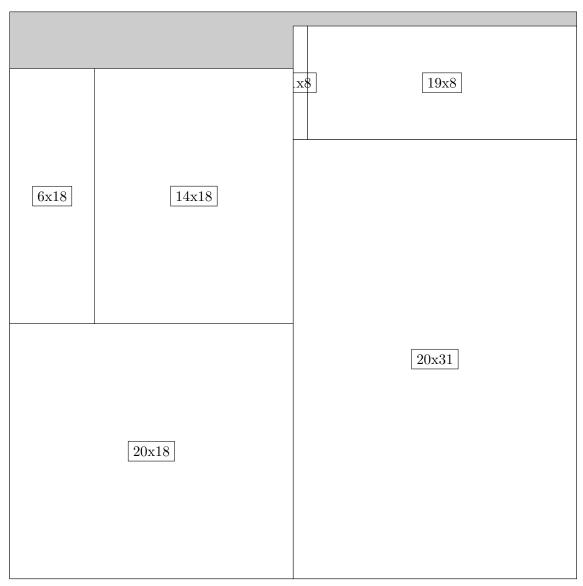
$$\begin{array}{l} w = \!\! 33 \; , \; h = \!\! 25 \; , \; x = \!\! 7 \; , \; y = \!\! 0 \; , \; v = \!\! 825 \\ w = \!\! 3 \; , \; h = \!\! 24 \; , \; x = \!\! 4 \; , \; y = \!\! 0 \; , \; v = \!\! 72 \\ \end{array}$$

$$\le =3$$
 , h =
23 , x =
1 , y =
0 , v =
69

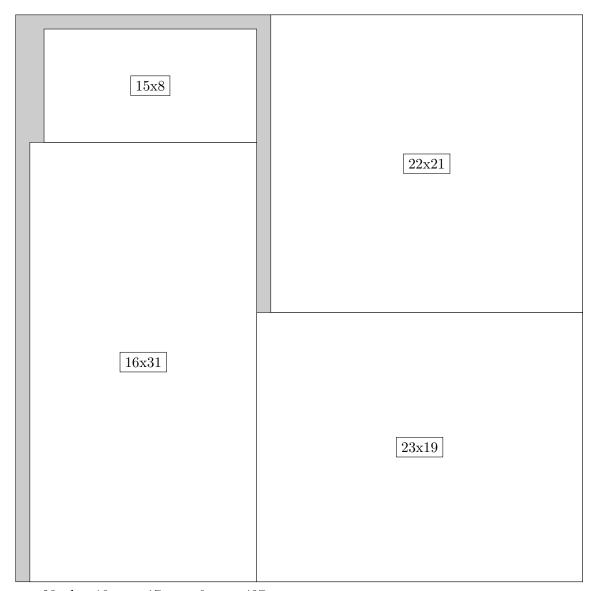
$$w=\!28$$
 , $h=\!3$, $x=\!12$, $y=\!25$, $v=\!84$

$$w = 23$$
, $h = 2$, $x = 17$, $y = 28$, $v = 46$

$$\le =21$$
 , h =7 , x =19 , y =30 , v =147



 $\begin{array}{l} w=20\;,\; h=31\;,\; x=20\;,\; y=0\;,\; v=620\\ w=19\;,\; h=8\;,\; x=21\;,\; y=31\;,\; v=152\\ w=1\;,\; h=8\;,\; x=20\;,\; y=31\;,\; v=8\\ w=20\;,\; h=18\;,\; x=0\;,\; y=0\;,\; v=360\\ w=14\;,\; h=18\;,\; x=6\;,\; y=18\;,\; v=252\\ w=6\;,\; h=18\;,\; x=0\;,\; y=18\;,\; v=108 \end{array}$

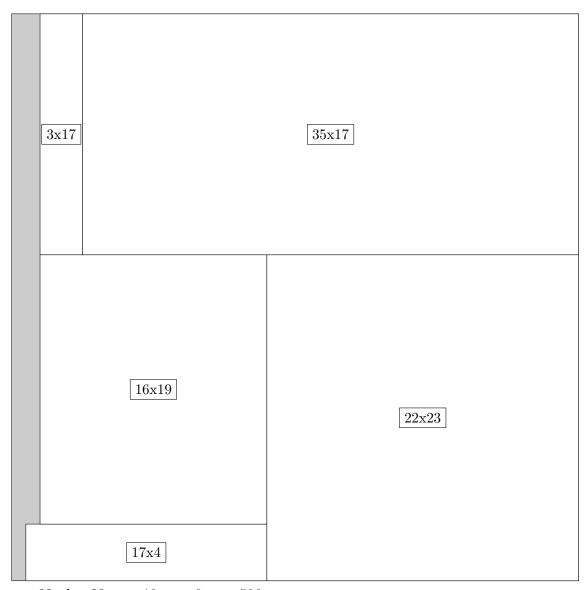


$$\le =23$$
 , h =19 , x =17 , y =0 , v =437

$$\le =22$$
 , h =21 , x =18 , y =19 , v =462

$$\le =16$$
 , h =31 , x =1 , y =0 , v =496

$$\le =15$$
 , h =8 , x =2 , y =31 , v =120



$$\begin{array}{l} w = \! 22 \ , \ h = \! 23 \ , \ x = \! 18 \ , \ y = \! 0 \ , \ v = \! 506 \\ w = \! 17 \ , \ h = \! 4 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 68 \end{array}$$

$$\mathbf{w}$$
 =16 , h =19 , x =2 , y =4 , v =304

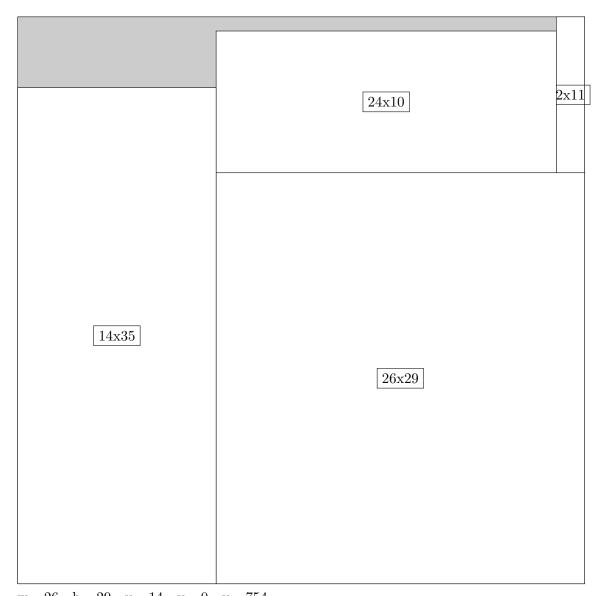
$$w = 35$$
, $h = 17$, $x = 5$, $y = 23$, $v = 595$

$$w$$
 =3 , h =17 , x =2 , y =23 , v =51

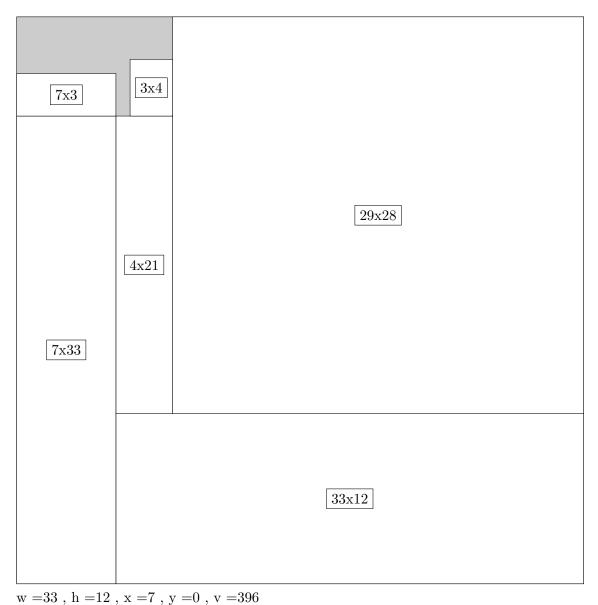
			34x7
3x33	6x33	8x33	23x33

 $\begin{array}{l} w = 23 \ , \ h = 33 \ , \ x = 17 \ , \ y = 0 \ , \ v = 759 \\ w = 8 \ , \ h = 33 \ , \ x = 9 \ , \ y = 0 \ , \ v = 264 \\ w = 6 \ , \ h = 33 \ , \ x = 3 \ , \ y = 0 \ , \ v = 198 \\ w = 3 \ , \ h = 33 \ , \ x = 0 \ , \ y = 0 \ , \ v = 99 \end{array}$

 $\mathbf{w} = \!\! 34$, $\mathbf{h} = \!\! 7$, $\mathbf{x} = \!\! 6$, $\mathbf{y} = \!\! 33$, $\mathbf{v} = \!\! 238$



$$\begin{array}{l} w = 26 \ , \ h = 29 \ , \ x = 14 \ , \ y = 0 \ , \ v = 754 \\ w = 2 \ , \ h = 11 \ , \ x = 38 \ , \ y = 29 \ , \ v = 22 \\ w = 24 \ , \ h = 10 \ , \ x = 14 \ , \ y = 29 \ , \ v = 240 \\ w = 14 \ , \ h = 35 \ , \ x = 0 \ , \ y = 0 \ , \ v = 490 \end{array}$$

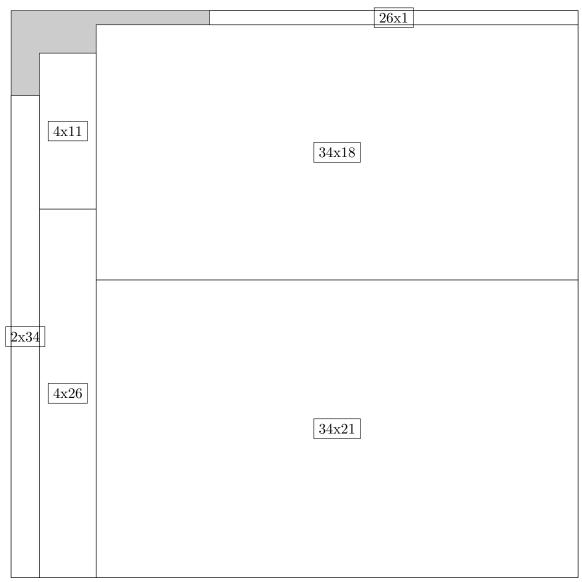


w =29 , h =28 , x =11 , y =12 , v =812 \mathbf{w} =4 , h =21 , x =7 , y =12 , v =84

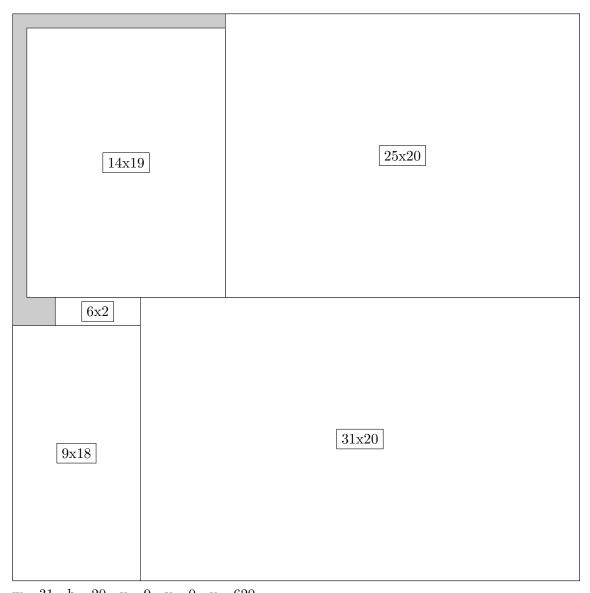
 \mathbf{w} =3 , h =4 , x =8 , y =33 , v =12

 \mathbf{w} =7 , h =33 , x =0 , y =0 , v =231

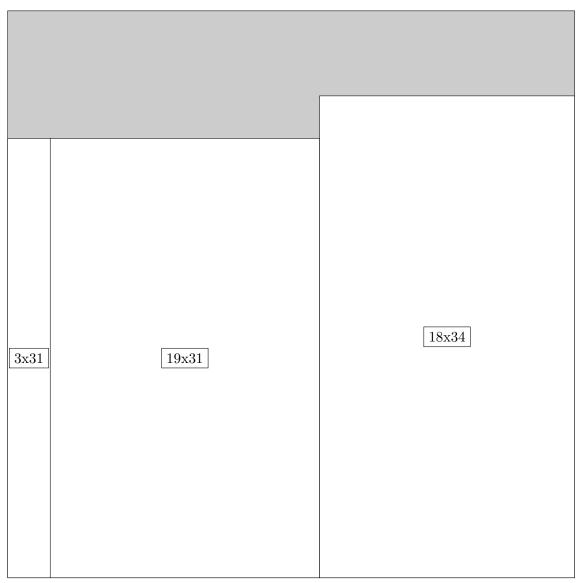
 \mathbf{w} =7 , h =3 , x =0 , y =33 , v =21



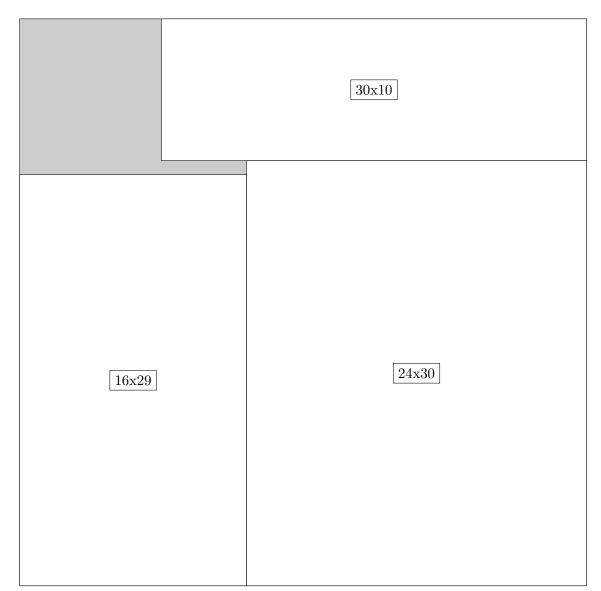
 $\begin{array}{l} w = 34 \; , \; h = 21 \; , \; x = 6 \; , \; y = 0 \; , \; v = 714 \\ w = 34 \; , \; h = 18 \; , \; x = 6 \; , \; y = 21 \; , \; v = 612 \\ w = 26 \; , \; h = 1 \; , \; x = 14 \; , \; y = 39 \; , \; v = 26 \\ w = 4 \; , \; h = 26 \; , \; x = 2 \; , \; y = 0 \; , \; v = 104 \\ w = 4 \; , \; h = 11 \; , \; x = 2 \; , \; y = 26 \; , \; v = 44 \\ w = 2 \; , \; h = 34 \; , \; x = 0 \; , \; y = 0 \; , \; v = 68 \end{array}$



$$\begin{array}{l} w = \! 25 \ , \ h = \! 20 \ , \ x = \! 15 \ , \ y = \! 20 \ , \ v = \! 500 \\ w = \! 14 \ , \ h = \! 19 \ , \ x = \! 1 \ , \ y = \! 20 \ , \ v = \! 266 \end{array}$$



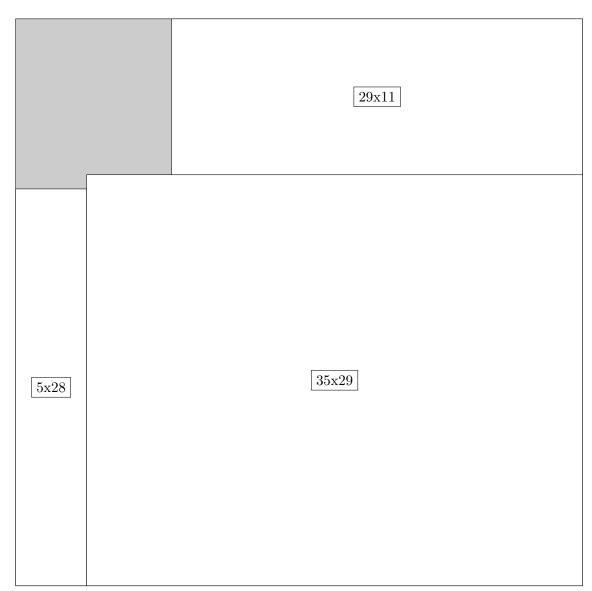
 $\begin{array}{l} w = 18 \; , \; h = \!\! 34 \; , \; x = \!\! 22 \; , \; y = \!\! 0 \; , \; v = \!\! 612 \\ w = \!\! 19 \; , \; h = \!\! 31 \; , \; x = \!\! 3 \; , \; y = \!\! 0 \; , \; v = \!\! 589 \\ w = \!\! 3 \; , \; h = \!\! 31 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 93 \end{array}$



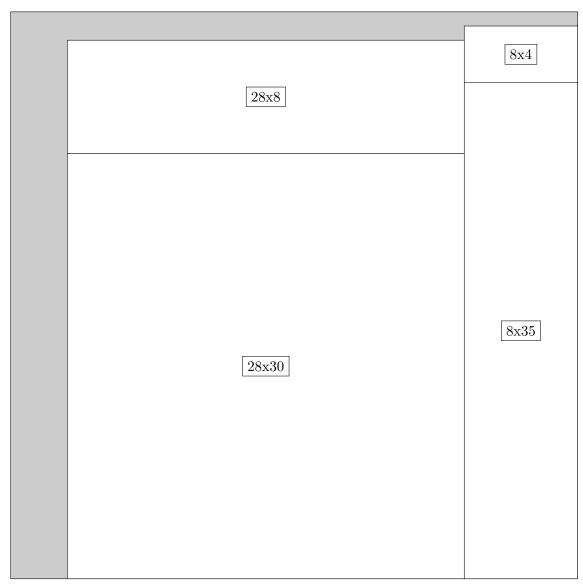
$$\le =24$$
 , h =30 , x =16 , y =0 , v =720

$$\le =16$$
 , h =29 , x =0 , y =0 , v =464

$$\le =30$$
 , h =10 , x =10 , y =30 , v =300



 $\begin{array}{l} w = \! 35 \ , \ h = \! 29 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 1015 \\ w = \! 5 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 140 \\ w = \! 29 \ , \ h = \! 11 \ , \ x = \! 11 \ , \ y = \! 29 \ , \ v = \! 319 \end{array}$

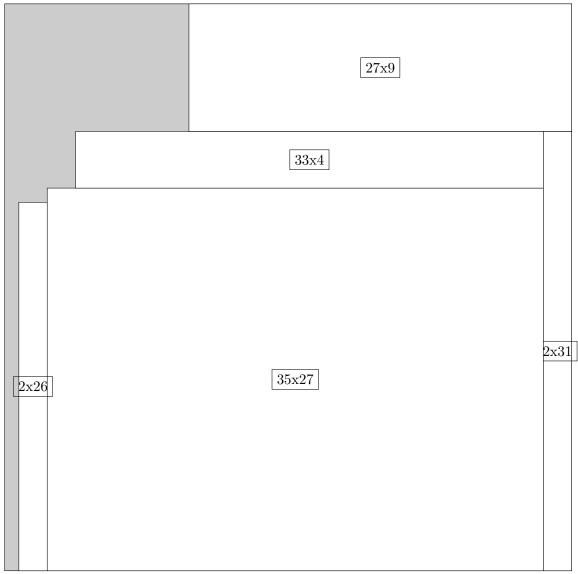


 $\le =8$, h =35 , x =32 , y =0 , v =280

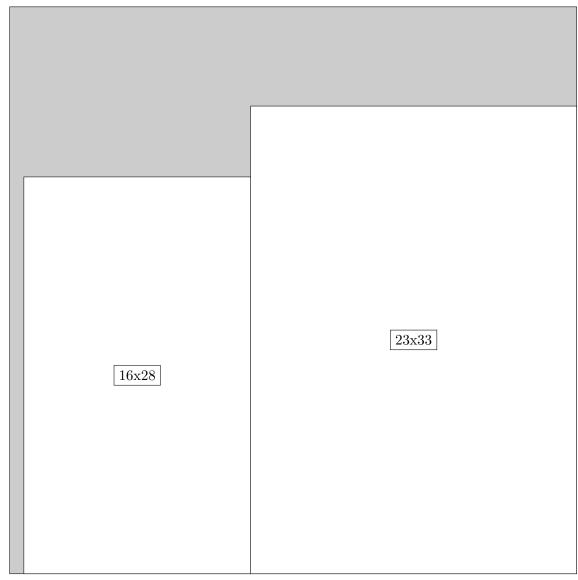
w =8 , h =4 , x =32 , y =35 , v =32

 $\le =28$, h =30 , x =4 , y =0 , v =840

 $\le =28$, h =8 , x =4 , y =30 , v =224



$$\begin{array}{l} w=2\ ,\, h=31\ ,\, x=38\ ,\, y=0\ ,\, v=62\\ w=35\ ,\, h=27\ ,\, x=3\ ,\, y=0\ ,\, v=945\\ w=33\ ,\, h=4\ ,\, x=5\ ,\, y=27\ ,\, v=132\\ w=2\ ,\, h=26\ ,\, x=1\ ,\, y=0\ ,\, v=52\\ w=27\ ,\, h=9\ ,\, x=13\ ,\, y=31\ ,\, v=243\\ \end{array}$$



$$\begin{array}{l} w = \! 23 \ , \, h = \! 33 \ , \, x = \! 17 \ , \, y = \! 0 \ , \, v = \! 759 \\ w = \! 16 \ , \, h = \! 28 \ , \, x = \! 1 \ , \, y = \! 0 \ , \, v = \! 448 \end{array}$$