$ClassName: \ Class_03.2bp\text{-}49$

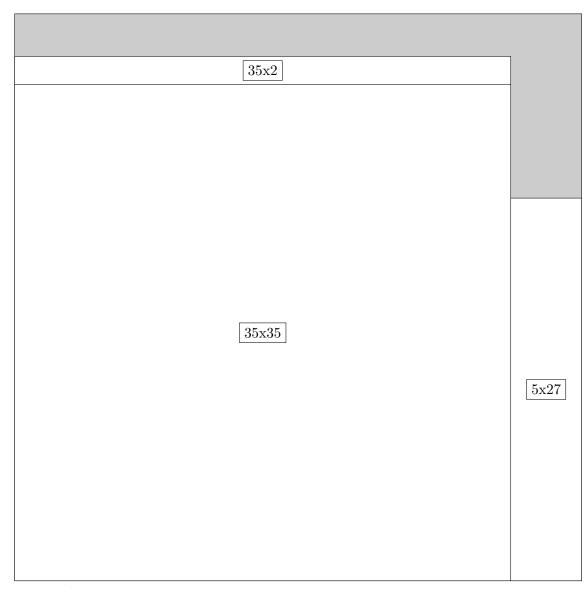
BinSize: $\underline{40} \times \underline{40}$ ReduceSize: $\underline{40} \times \underline{40}$

TypeNum: <u>99</u>
Num: <u>100</u>
OutS: <u>46400</u>
InS: <u>37188</u>
Rate: <u>0.801</u>
UB: <u>29</u>
LB0: <u>29</u>
LB: <u>29</u>

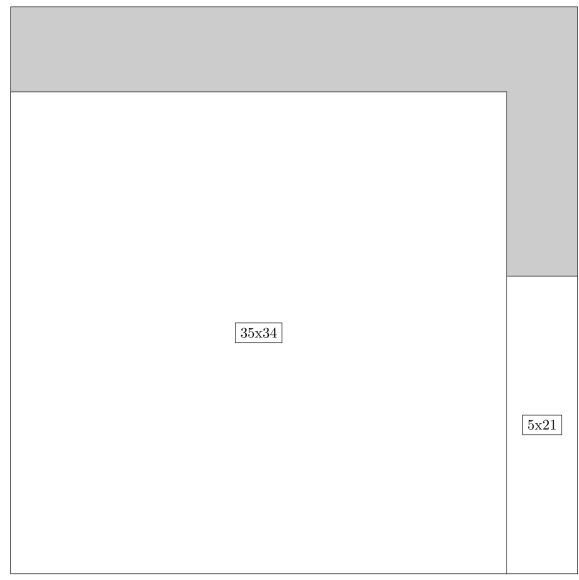
LBWithCut: $\underline{\mathbf{29}}$ NodeCut: $\underline{\mathbf{0}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{29}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

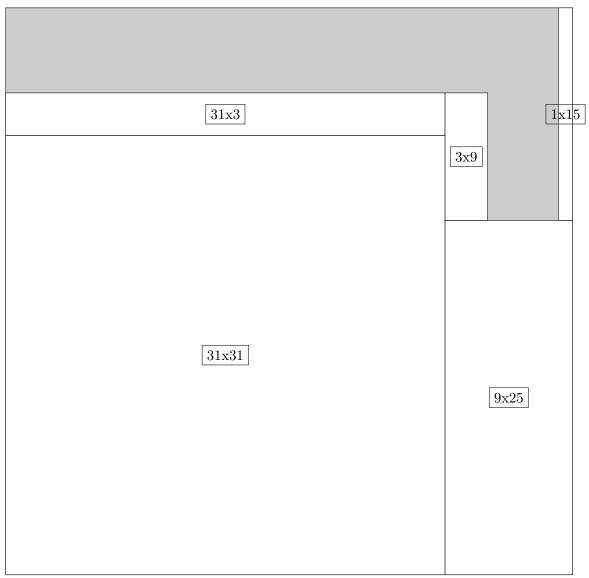
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.065 sTotalTime: 0.118 s



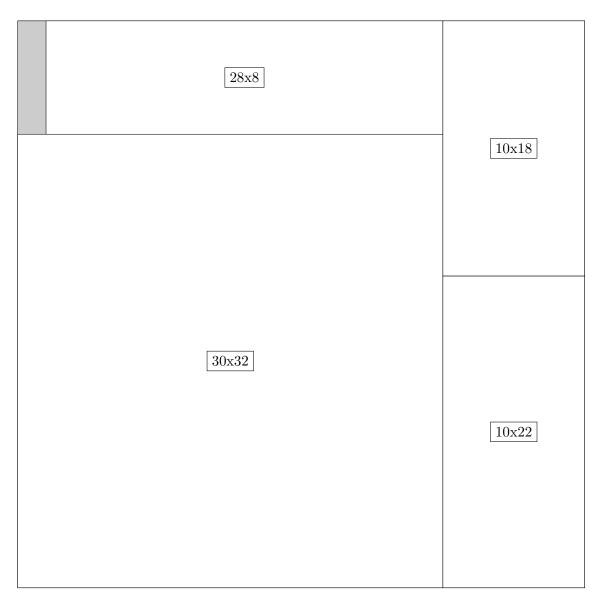
$$\begin{array}{l} w = \! 35 \ , \ h = \! 35 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1225 \\ w = \! 35 \ , \ h = \! 2 \ , \ x = \! 0 \ , \ y = \! 35 \ , \ v = \! 70 \\ w = \! 5 \ , \ h = \! 27 \ , \ x = \! 35 \ , \ y = \! 0 \ , \ v = \! 135 \end{array}$$



 $\begin{array}{l} w = \! 35 \ , \, h = \! 34 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 1190 \\ w = \! 5 \ , \, h = \! 21 \ , \, x = \! 35 \ , \, y = \! 0 \ , \, v = \! 105 \end{array}$



 $\begin{array}{l} w = & 31 \;,\; h = & 31 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 961 \\ w = & 9 \;,\; h = & 25 \;,\; x = & 31 \;,\; y = & 0 \;,\; v = & 225 \\ w = & 31 \;,\; h = & 3 \;,\; x = & 0 \;,\; y = & 31 \;,\; v = & 93 \\ w = & 3 \;,\; h = & 9 \;,\; x = & 31 \;,\; y = & 25 \;,\; v = & 27 \\ w = & 1 \;,\; h = & 15 \;,\; x = & 39 \;,\; y = & 25 \;,\; v = & 15 \end{array}$

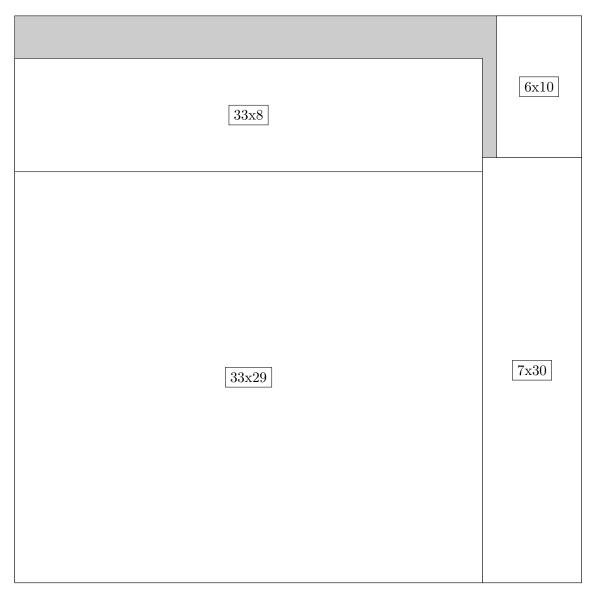


$$w = 30$$
, $h = 32$, $x = 0$, $y = 0$, $v = 960$

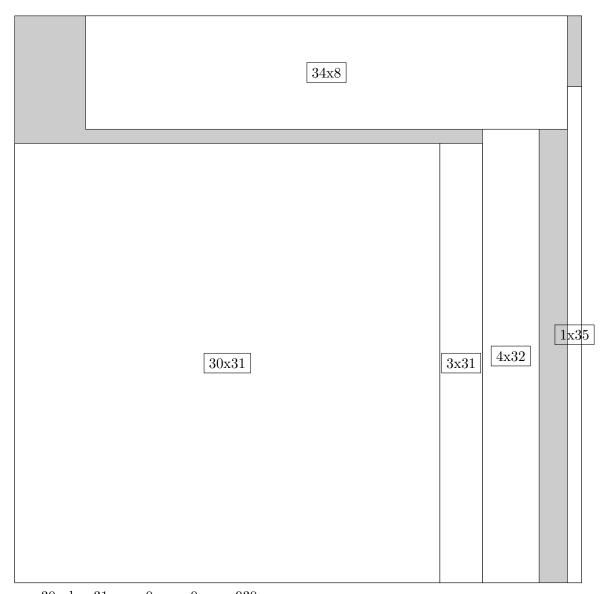
$$\le =28$$
 , h =8 , x =2 , y =32 , v =224

$$\le =10$$
 , h =22 , x =30 , y =0 , v =220

$$\mathbf{w}$$
 =10 , h =18 , x =30 , y =22 , v =180



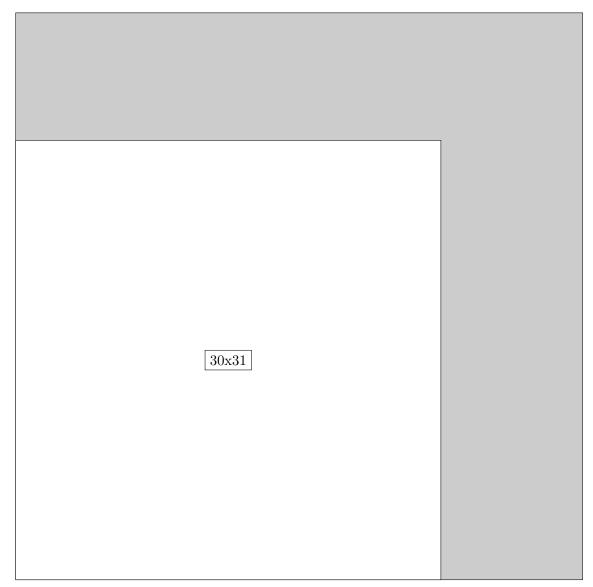
 $\begin{array}{l} w = \! 33 \ , \ h = \! 29 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 957 \\ w = \! 33 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 29 \ , \ v = \! 264 \\ w = \! 7 \ , \ h = \! 30 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 210 \\ w = \! 6 \ , \ h = \! 10 \ , \ x = \! 34 \ , \ y = \! 30 \ , \ v = \! 60 \end{array}$



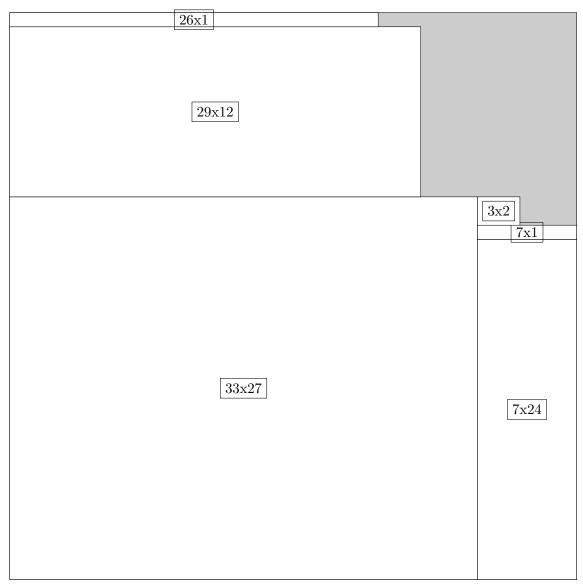
 $\begin{array}{l} w = & 30 \;,\; h = & 31 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 930 \\ w = & 34 \;,\; h = & 8 \;,\; x = & 5 \;,\; y = & 32 \;,\; v = & 272 \\ w = & 4 \;,\; h = & 32 \;,\; x = & 33 \;,\; y = & 0 \;,\; v = & 128 \end{array}$

 $w = 3 \ , \ h = 31 \ , \ x = 30 \ , \ y = 0 \ , \ v = 93$

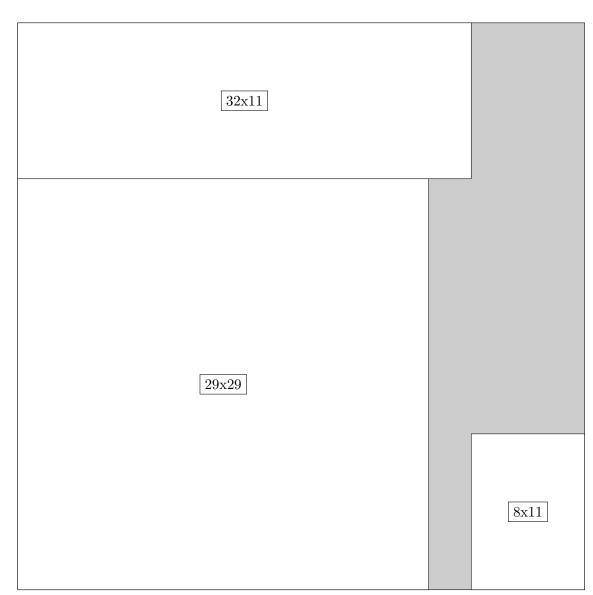
w = 1, h = 35, x = 39, y = 0, v = 35



 $\overline{\mathbf{w}} = 30$, $\mathbf{h} = 31$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 930$



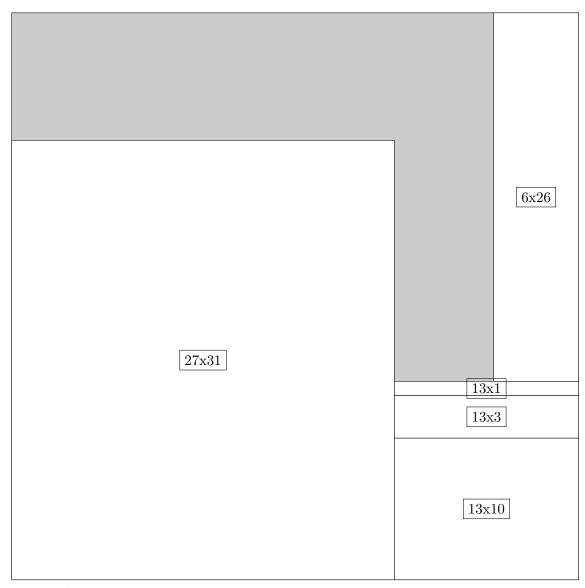
$$\begin{array}{l} w = 33 \; , \; h = 27 \; , \; x = 0 \; , \; y = 0 \; , \; v = 891 \\ w = 29 \; , \; h = 12 \; , \; x = 0 \; , \; y = 27 \; , \; v = 348 \\ w = 7 \; , \; h = 24 \; , \; x = 33 \; , \; y = 0 \; , \; v = 168 \\ w = 26 \; , \; h = 1 \; , \; x = 0 \; , \; y = 39 \; , \; v = 26 \\ w = 7 \; , \; h = 1 \; , \; x = 33 \; , \; y = 24 \; , \; v = 7 \\ w = 3 \; , \; h = 2 \; , \; x = 33 \; , \; y = 25 \; , \; v = 6 \end{array}$$



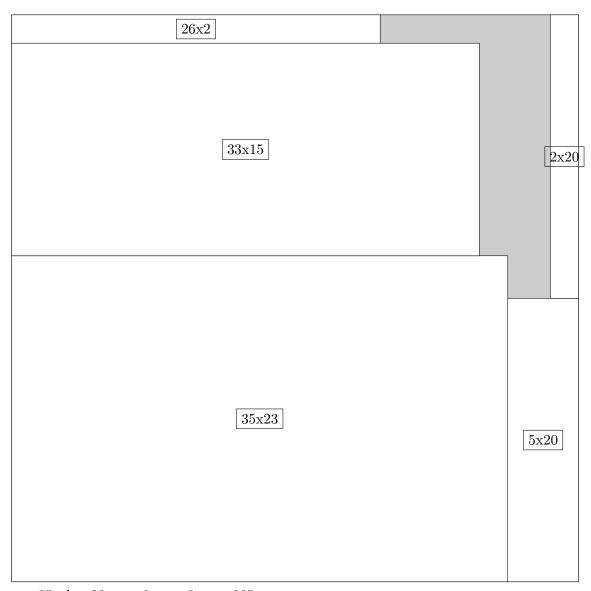
$$\begin{array}{l} w = 29 \ , \ h = 29 \ , \ x = 0 \ , \ y = 0 \ , \ v = 841 \\ w = 32 \ , \ h = 11 \ , \ x = 0 \ , \ y = 29 \ , \ v = 352 \\ w = 8 \ , \ h = 11 \ , \ x = 32 \ , \ y = 0 \ , \ v = 88 \end{array}$$

| $28\mathrm{x}10$ | 8x8 |
|------------------|-------|
| 28x30 | 12x32 |

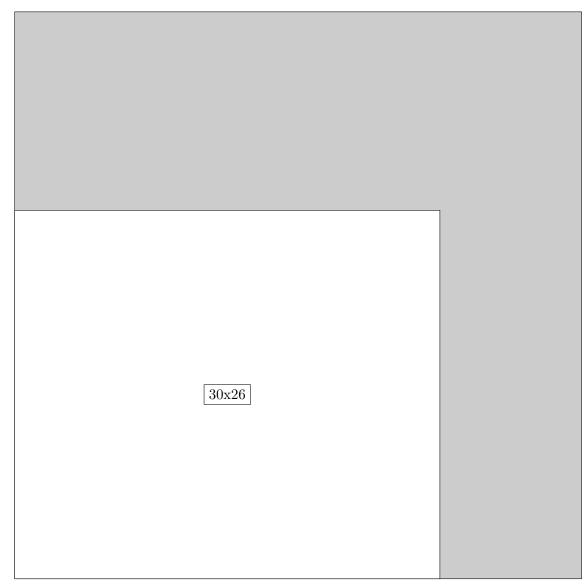
$$\begin{array}{l} w = 28 \ , \ h = 30 \ , \ x = 0 \ , \ y = 0 \ , \ v = 840 \\ w = 12 \ , \ h = 32 \ , \ x = 28 \ , \ y = 0 \ , \ v = 384 \\ w = 28 \ , \ h = 10 \ , \ x = 0 \ , \ y = 30 \ , \ v = 280 \\ w = 8 \ , \ h = 8 \ , \ x = 28 \ , \ y = 32 \ , \ v = 64 \end{array}$$



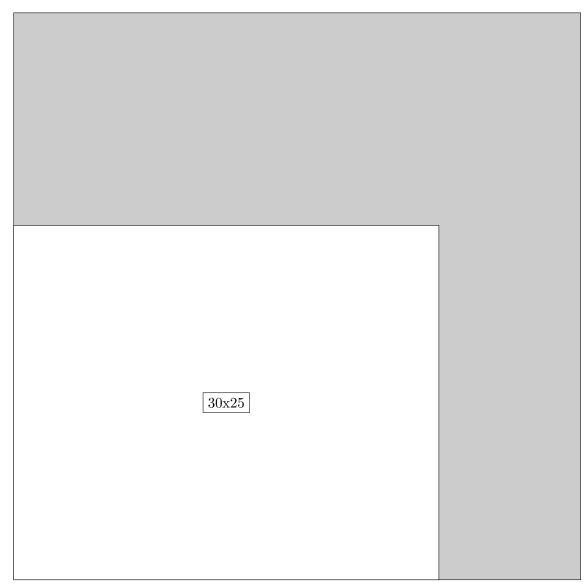
 $\begin{array}{l} w=27 \;,\; h=31 \;,\; x=0 \;,\; y=0 \;,\; v=837 \\ w=6 \;,\; h=26 \;,\; x=34 \;,\; y=14 \;,\; v=156 \\ w=13 \;,\; h=10 \;,\; x=27 \;,\; y=0 \;,\; v=130 \\ w=13 \;,\; h=3 \;,\; x=27 \;,\; y=10 \;,\; v=39 \\ w=13 \;,\; h=1 \;,\; x=27 \;,\; y=13 \;,\; v=13 \end{array}$



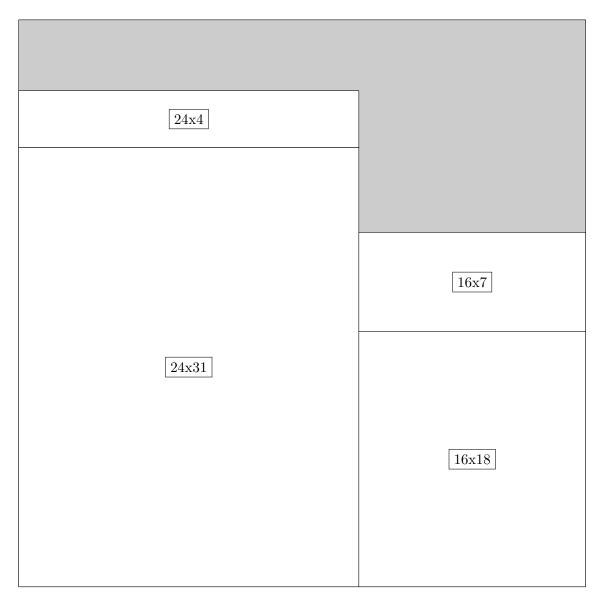
 $\begin{array}{l} w = \! 35 \; , \; h = \! 23 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 805 \\ w = \! 33 \; , \; h = \! 15 \; , \; x = \! 0 \; , \; y = \! 23 \; , \; v = \! 495 \\ w = \! 5 \; , \; h = \! 20 \; , \; x = \! 35 \; , \; y = \! 0 \; , \; v = \! 100 \\ w = \! 26 \; , \; h = \! 2 \; , \; x = \! 0 \; , \; y = \! 38 \; , \; v = \! 52 \\ w = \! 2 \; , \; h = \! 20 \; , \; x = \! 38 \; , \; y = \! 20 \; , \; v = \! 40 \end{array}$



 \mathbf{w} =30 , h =26 , x =0 , y =0 , v =780



 \mathbf{w} =30 , h =25 , x =0 , y =0 , v =750

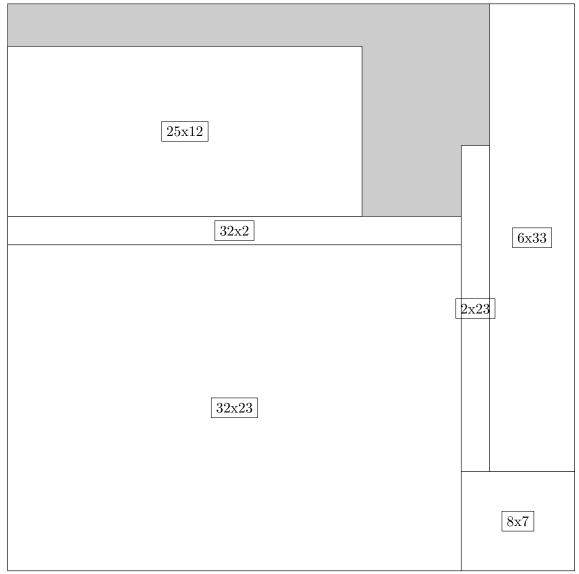


$$w = 24$$
, $h = 31$, $x = 0$, $y = 0$, $v = 744$

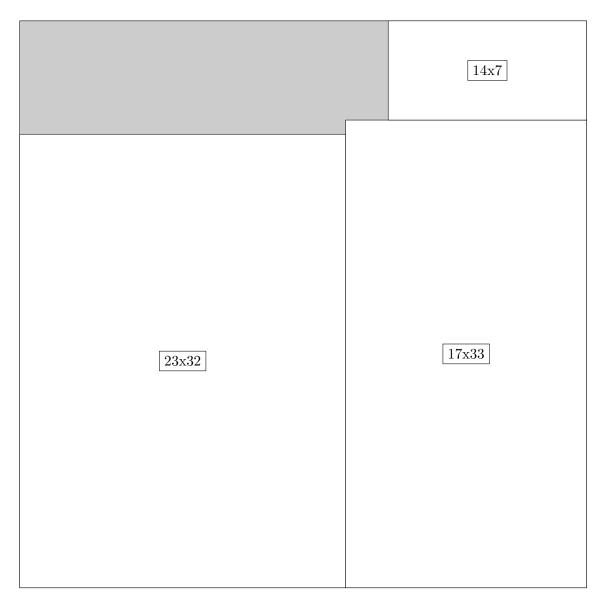
$$w = 16$$
, $h = 18$, $x = 24$, $y = 0$, $v = 288$

$$w$$
 =16 , h =7 , x =24 , y =18 , v =112

$$\le =24$$
 , h =4 , x =0 , y =31 , v =96



$$\begin{array}{l} w = 32 \; , \; h = 23 \; , \; x = 0 \; , \; y = 0 \; , \; v = 736 \\ w = 25 \; , \; h = 12 \; , \; x = 0 \; , \; y = 25 \; , \; v = 300 \\ w = 6 \; , \; h = 33 \; , \; x = 34 \; , \; y = 7 \; , \; v = 198 \\ w = 32 \; , \; h = 2 \; , \; x = 0 \; , \; y = 23 \; , \; v = 64 \\ w = 8 \; , \; h = 7 \; , \; x = 32 \; , \; y = 0 \; , \; v = 56 \\ w = 2 \; , \; h = 23 \; , \; x = 32 \; , \; y = 7 \; , \; v = 46 \end{array}$$



$$\begin{array}{l} w = 23 \ , \ h = 32 \ , \ x = 0 \ , \ y = 0 \ , \ v = 736 \\ w = 17 \ , \ h = 33 \ , \ x = 23 \ , \ y = 0 \ , \ v = 561 \\ w = 14 \ , \ h = 7 \ , \ x = 26 \ , \ y = 33 \ , \ v = 98 \end{array}$$

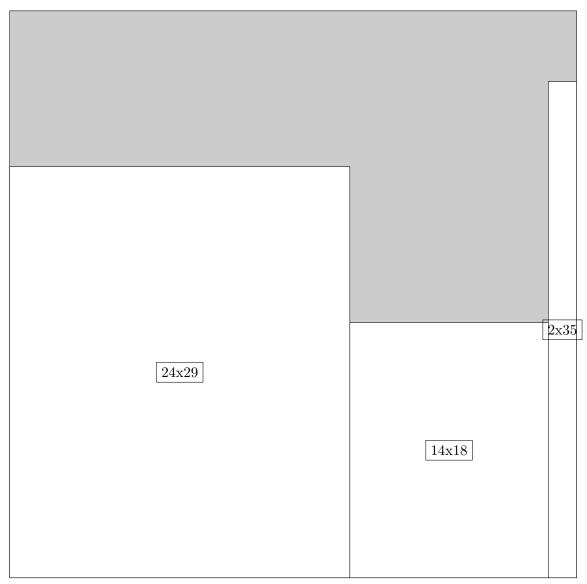
| 24x14 | [12x16] |
|-------|---------|
| 28x26 | 12x24 |

$$w = 28$$
, $h = 26$, $x = 0$, $y = 0$, $v = 728$

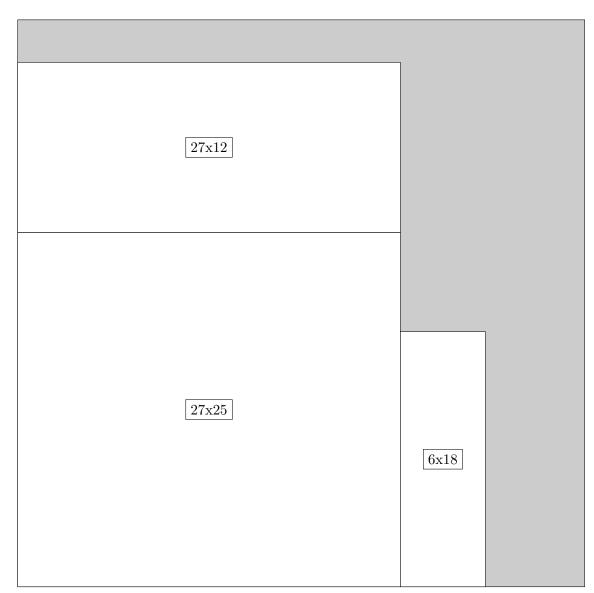
$$\le =24$$
 , h =14 , x =4 , y =26 , v =336

$$\le =12$$
 , h =24 , x =28 , y =0 , v =288

$$\le =12$$
 , $h=16$, $x=28$, $y=24$, $v=192$



 $\begin{array}{l} w = 24 \; , \; h = 29 \; , \; x = 0 \; , \; y = 0 \; , \; v = 696 \\ w = 14 \; , \; h = 18 \; , \; x = 24 \; , \; y = 0 \; , \; v = 252 \\ w = 2 \; , \; h = 35 \; , \; x = 38 \; , \; y = 0 \; , \; v = 70 \end{array}$



$$\begin{array}{l} w = 27 \;,\; h = \!\! 25 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 675 \\ w = \!\! 6 \;,\; h = \!\! 18 \;,\; x = \!\! 27 \;,\; y = \!\! 0 \;,\; v = \!\! 108 \\ w = \!\! 27 \;,\; h = \!\! 12 \;,\; x = \!\! 0 \;,\; y = \!\! 25 \;,\; v = \!\! 324 \end{array}$$

| 20x2 | |
|-------|-------|
| 21x6 | 19x12 |
| | |
| | |
| 21x32 | |
| | 19x27 |
| | |
| | |

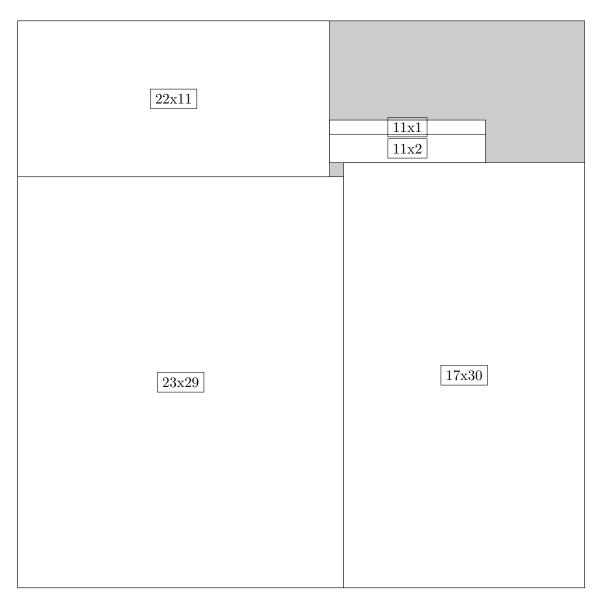
$$\le =21$$
 , $h=32$, $x=0$, $y=0$, $v=672$

$$\le =19$$
 , h =27 , x =21 , y =0 , v =513

$$\le =19$$
 , h =12 , x =21 , y =27 , v =228

$$\le =21$$
 , h =6 , x =0 , y =32 , v =126

$$\le =20$$
 , h =2 , x =0 , y =38 , v =40



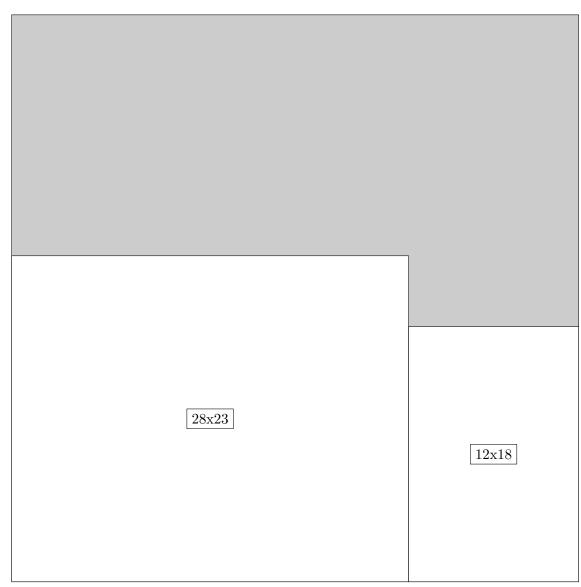
$$w = 23$$
 , $h = 29$, $x = 0$, $y = 0$, $v = 667$

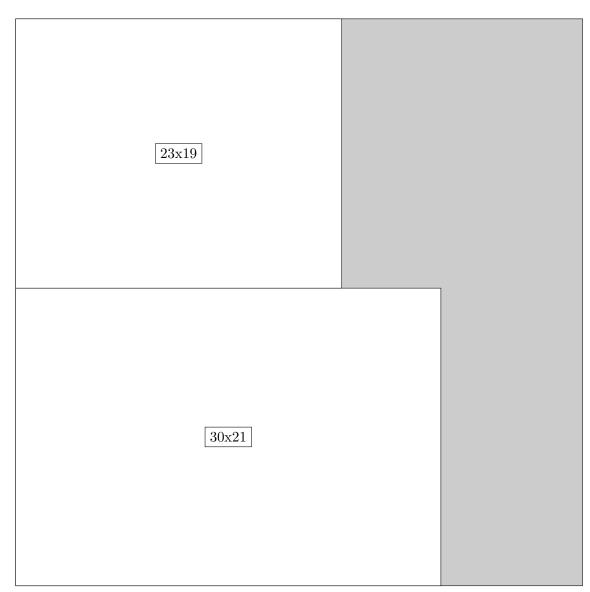
$$\le =17$$
 , h =30 , x =23 , y =0 , v =510

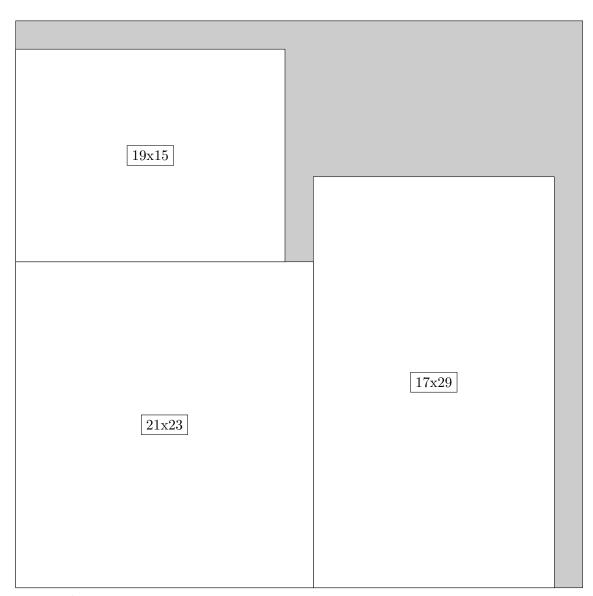
$$\le =22$$
 , h =11 , x =0 , y =29 , v =242

$$\le =11$$
 , h =2 , x =22 , y =30 , v =22

$$w = 11$$
, $h = 1$, $x = 22$, $y = 32$, $v = 11$

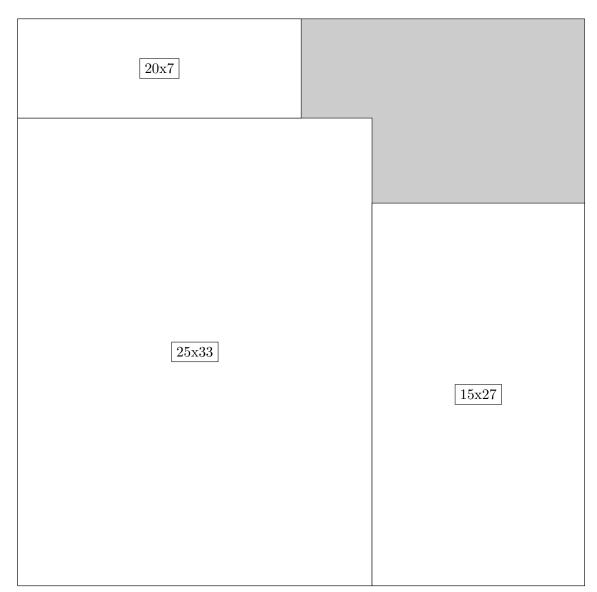




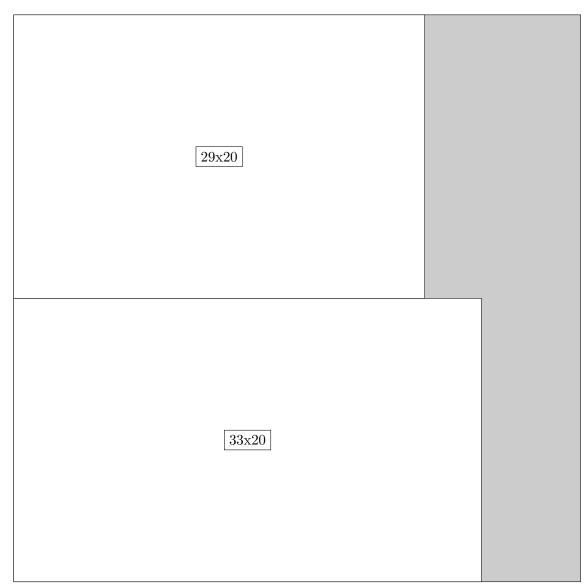


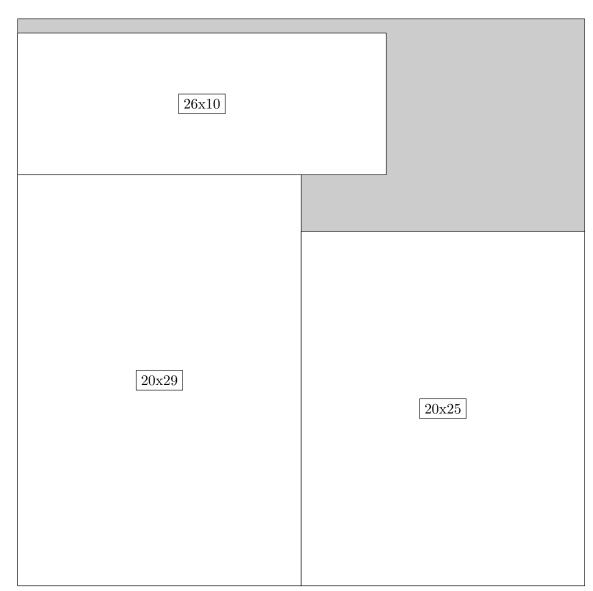
$$\begin{array}{l} w = \!\! 17 \ , \ h = \!\! 29 \ , \ x = \!\! 21 \ , \ y = \!\! 0 \ , \ v = \!\! 493 \\ w = \!\! 21 \ , \ h = \!\! 23 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 483 \end{array}$$

$$w$$
 =19 , h =15 , x =0 , y =23 , v =285



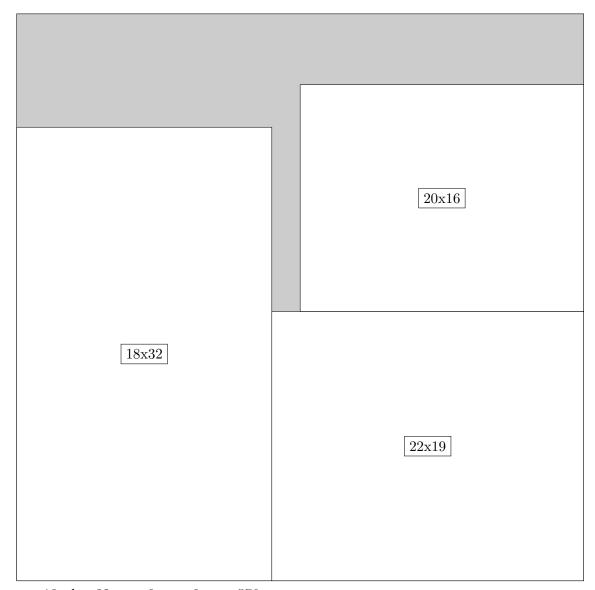
$$\begin{array}{l} w = \! 25 \ , \ h = \! 33 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 825 \\ w = \! 15 \ , \ h = \! 27 \ , \ x = \! 25 \ , \ y = \! 0 \ , \ v = \! 405 \\ w = \! 20 \ , \ h = \! 7 \ , \ x = \! 0 \ , \ y = \! 33 \ , \ v = \! 140 \end{array}$$





$$w = 20$$
, $h = 29$, $x = 0$, $y = 0$, $v = 580$

$$\begin{array}{l} w = \! 20 \ , \ h = \! 25 \ , \ x = \! 20 \ , \ y = \! 0 \ , \ v = \! 500 \\ w = \! 26 \ , \ h = \! 10 \ , \ x = \! 0 \ , \ y = \! 29 \ , \ v = \! 260 \end{array}$$



$$\begin{array}{l} w = \! 18 \; , \; h = \! 32 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 576 \\ w = \! 22 \; , \; h = \! 19 \; , \; x = \! 18 \; , \; y = \! 0 \; , \; v = \! 418 \end{array}$$

$$w = 20$$
 , $h = 16$, $x = 20$, $y = 19$, $v = 320$