$ClassName: \ Class_03.2bp\text{-}45$

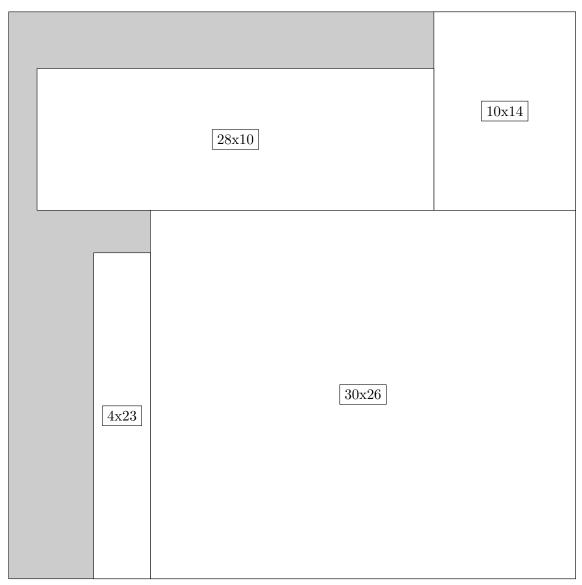
 $\begin{array}{ccc} \text{BinSize: } \underline{40} & \overline{\times} & \underline{40} \\ \text{ReduceSize: } \underline{40} & \times & \underline{40} \end{array}$

TypeNum: <u>99</u>
Num: <u>100</u>
OutS: <u>43200</u>
InS: <u>36761</u>
Rate: <u>0.851</u>
UB: <u>27</u>
LB: <u>27</u>

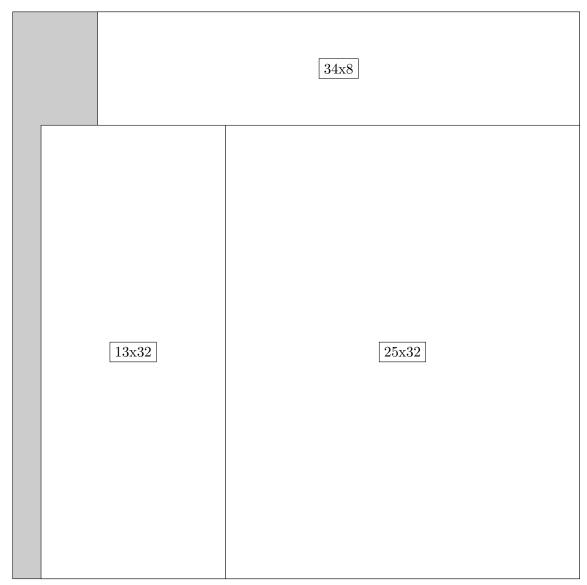
LBWithCut: $\underline{27}$ NodeCount: $\underline{0}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{27}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{1}$ PricingSolverCnt: $\underline{0}$ BranchAndBoundNum: $\underline{1}$

isOpt: **true**

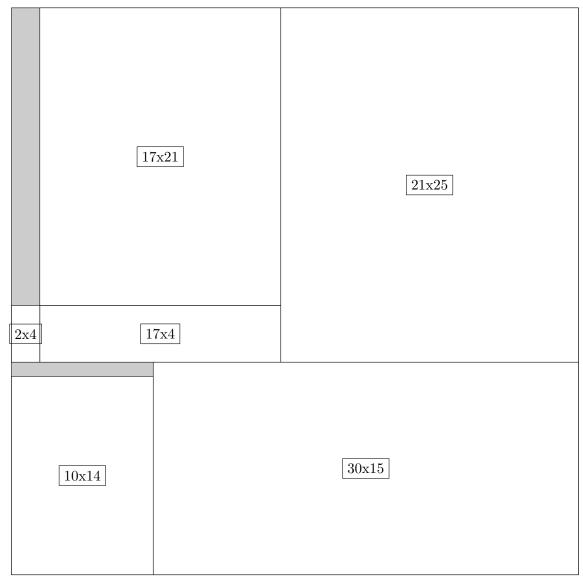
TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.076 \text{ s}}$ TotalTime: $\underline{0.248 \text{ s}}$



$$\begin{array}{l} w = & 30 \; , \; h = & 26 \; , \; x = & 10 \; , \; y = & 0 \; , \; v = & 780 \\ w = & 4 \; , \; h = & 23 \; , \; x = & 6 \; , \; y = & 0 \; , \; v = & 92 \\ w = & 10 \; , \; h = & 14 \; , \; x = & 30 \; , \; y = & 26 \; , \; v = & 140 \\ w = & 28 \; , \; h = & 10 \; , \; x = & 2 \; , \; y = & 26 \; , \; v = & 280 \end{array}$$



$$\begin{array}{l} w = \! 25 \ , \ h = \! 32 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 800 \\ w = \! 13 \ , \ h = \! 32 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 416 \\ w = \! 34 \ , \ h = \! 8 \ , \ x = \! 6 \ , \ y = \! 32 \ , \ v = \! 272 \end{array}$$



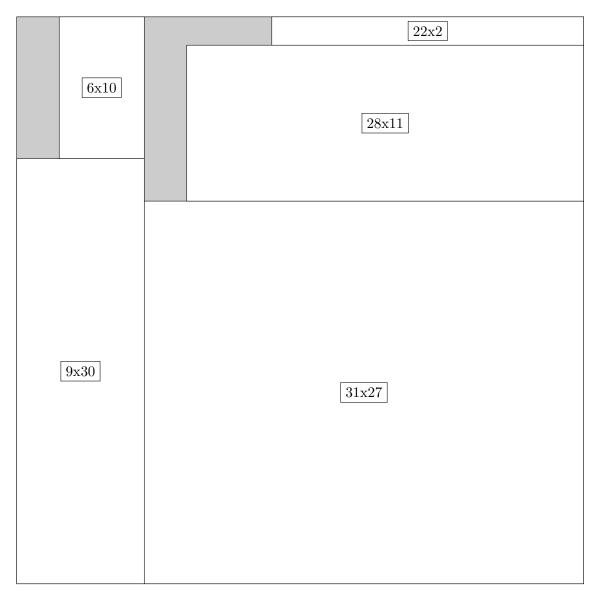
$$\mathbf{w}$$
 =10 , h =14 , x =0 , y =0 , v =140

$$\le =21$$
 , h =25 , x =19 , y =15 , v =525

$$\mathbf{w}$$
 =17 , h =4 , x =2 , y =15 , v =68

$$\mathbf{w}$$
 =2 , h =4 , x =0 , y =15 , v =8

$$w = 17$$
, $h = 21$, $x = 2$, $y = 19$, $v = 357$



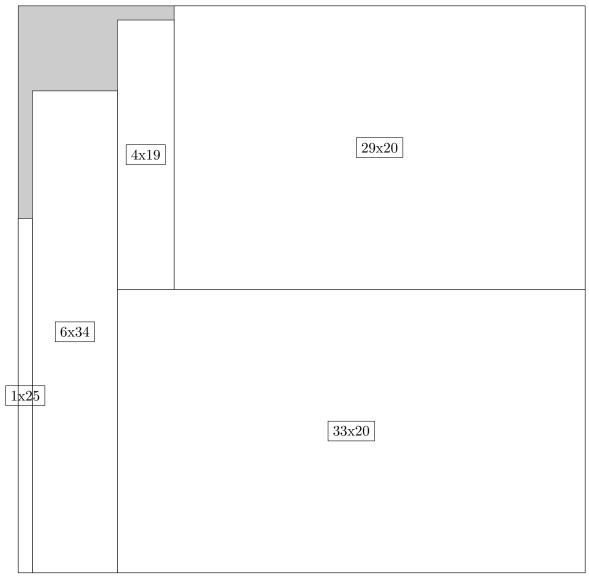
$$w = 31 \ , \ h = 27 \ , \ x = 9 \ , \ y = 0 \ , \ v = 837$$

$$\le =28$$
 , h =11 , x =12 , y =27 , v =308

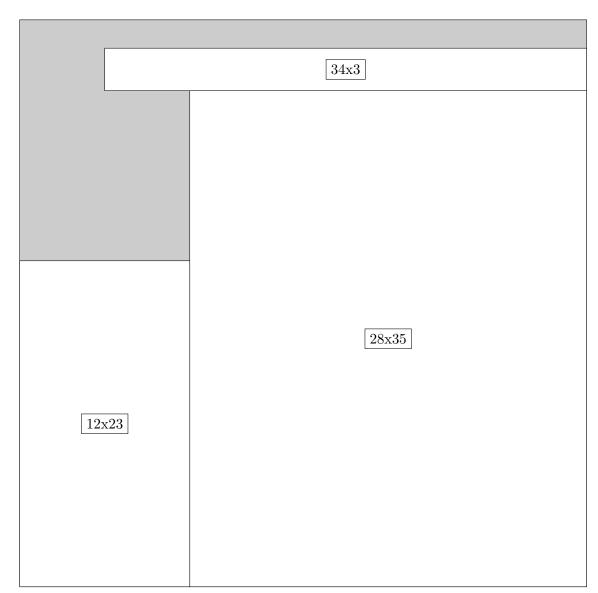
$$w$$
 =22 , h =2 , x =18 , y =38 , v =44

$$\le =9$$
 , h =30 , x =0 , y =0 , v =270

$$\mathbf{w}$$
 =6 , h =10 , x =3 , y =30 , v =60



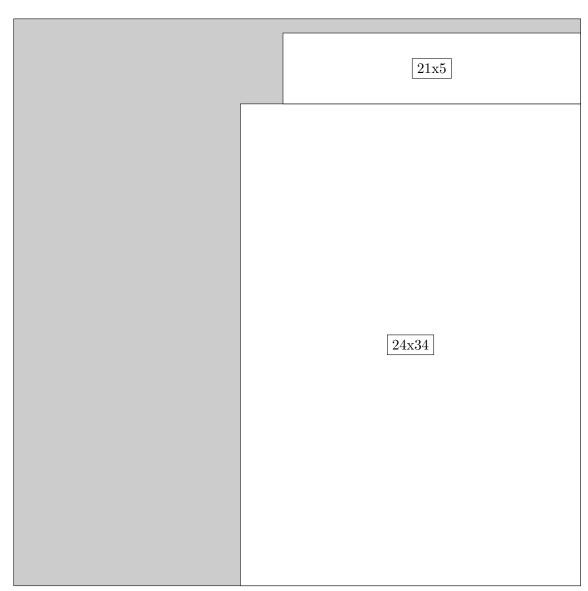
 $\begin{array}{l} w = \! 33 \ , \ h = \! 20 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 660 \\ w = \! 29 \ , \ h = \! 20 \ , \ x = \! 11 \ , \ y = \! 20 \ , \ v = \! 580 \\ w = \! 4 \ , \ h = \! 19 \ , \ x = \! 7 \ , \ y = \! 20 \ , \ v = \! 76 \\ w = \! 6 \ , \ h = \! 34 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 204 \\ w = \! 1 \ , \ h = \! 25 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 25 \end{array}$



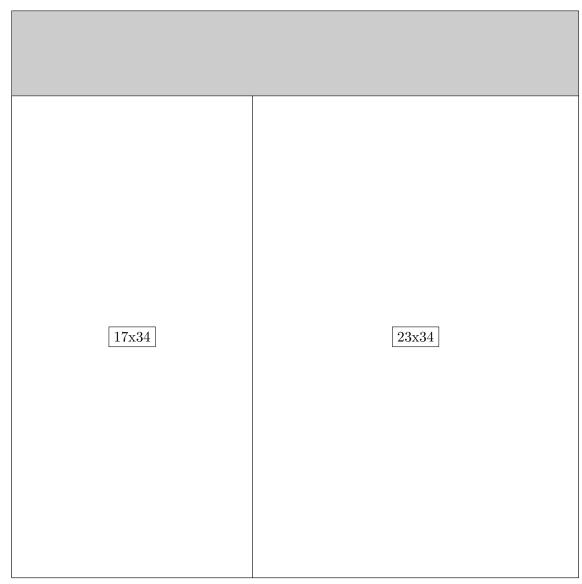
$$w = 28$$
, $h = 35$, $x = 12$, $y = 0$, $v = 980$

$$\le =12$$
 , h =23 , x =0 , y =0 , v =276

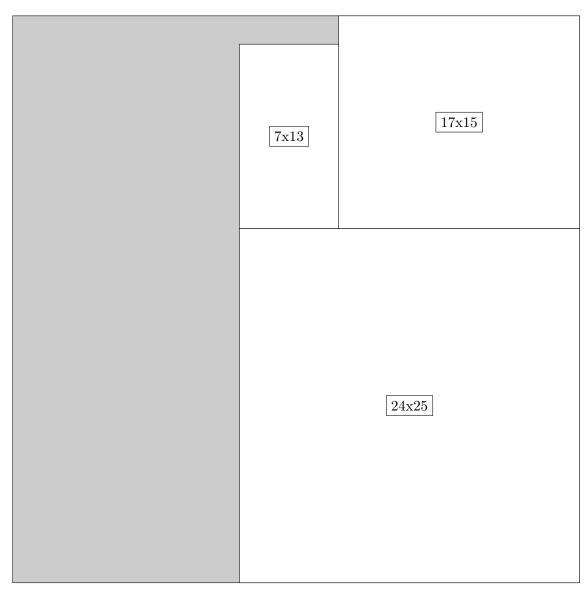
$$\le =34$$
 , h =3 , x =6 , y =35 , v =102



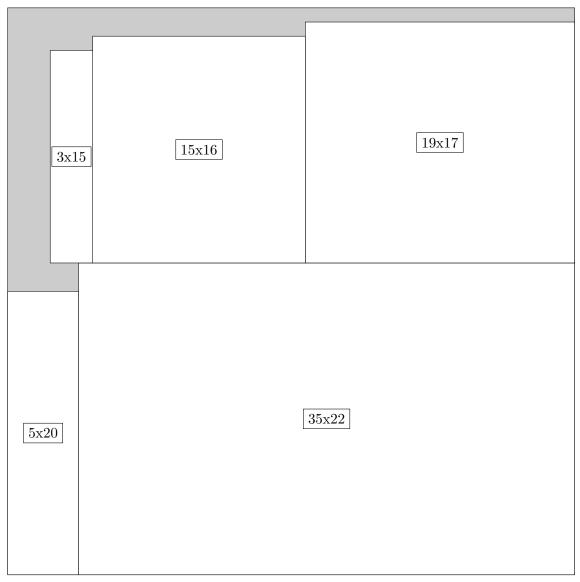
$$\begin{array}{l} w = \! 24 \; , \; h = \! 34 \; , \; x = \! 16 \; , \; y = \! 0 \; , \; v = \! 816 \\ w = \! 21 \; , \; h = \! 5 \; , \; x = \! 19 \; , \; y = \! 34 \; , \; v = \! 105 \end{array}$$



$$\begin{array}{l} w = \! 23 \ , \, h = \! 34 \ , \, x = \! 17 \ , \, y = \! 0 \ , \, v = \! 782 \\ w = \! 17 \ , \, h = \! 34 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 578 \end{array}$$



 $\begin{array}{l} w = \! 24 \; , \; h = \! 25 \; , \; x = \! 16 \; , \; y = \! 0 \; , \; v = \! 600 \\ w = \! 17 \; , \; h = \! 15 \; , \; x = \! 23 \; , \; y = \! 25 \; , \; v = \! 255 \\ w = \! 7 \; , \; h = \! 13 \; , \; x = \! 16 \; , \; y = \! 25 \; , \; v = \! 91 \end{array}$



$$\begin{array}{l} w = \! 35 \;,\; h = \! 22 \;,\; x = \! 5 \;,\; y = \! 0 \;,\; v = \! 770 \\ w = \! 5 \;,\; h = \! 20 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 100 \\ w = \! 19 \;,\; h = \! 17 \;,\; x = \! 21 \;,\; y = \! 22 \;,\; v = \! 323 \\ w = \! 15 \;,\; h = \! 16 \;,\; x = \! 6 \;,\; y = \! 22 \;,\; v = \! 240 \\ w = \! 3 \;,\; h = \! 15 \;,\; x = \! 3 \;,\; y = \! 22 \;,\; v = \! 45 \end{array}$$



 $\begin{array}{l} w = & 32 \ , \ h = & 26 \ , \ x = & 8 \ , \ y = & 0 \ , \ v = & 832 \\ w = & 8 \ , \ h = & 24 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 192 \\ w = & 19 \ , \ h = & 13 \ , \ x = & 21 \ , \ y = & 26 \ , \ v = & 247 \\ w = & 21 \ , \ h = & 12 \ , \ x = & 0 \ , \ y = & 26 \ , \ v = & 252 \end{array}$

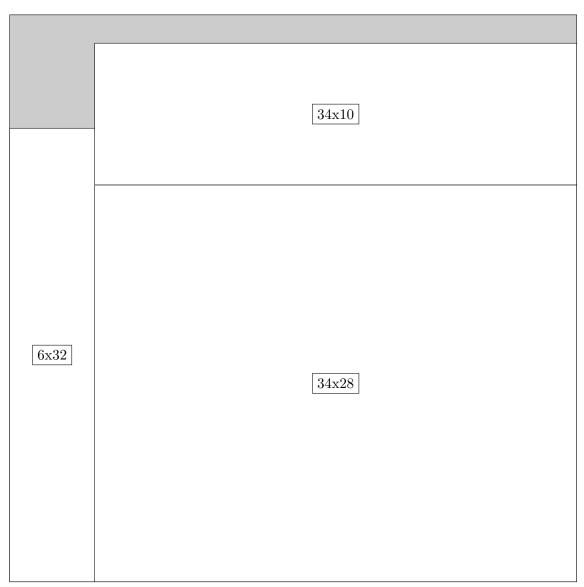
26x1	1	14x15
14x2 14x23		26×25

$$\begin{array}{l} w = 26 \ , \ h = 25 \ , \ x = 14 \ , \ y = 0 \ , \ v = 650 \\ w = 14 \ , \ h = 23 \ , \ x = 0 \ , \ y = 0 \ , \ v = 322 \end{array}$$

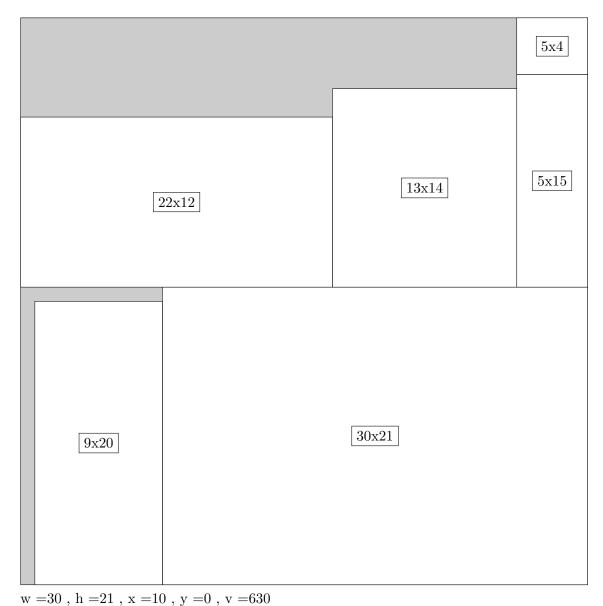
$$\le =14$$
 , h =2 , x =0 , y =23 , v =28

$$\le =14$$
 , h =15 , x =26 , y =25 , v =210

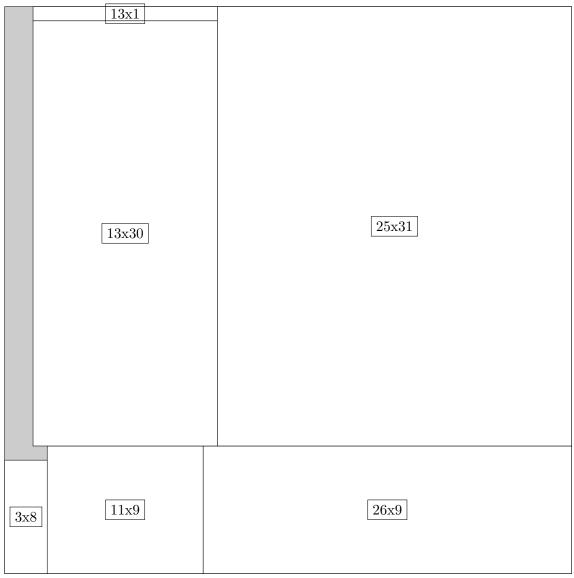
$$\le =26$$
 , h =11 , x =0 , y =25 , v =286



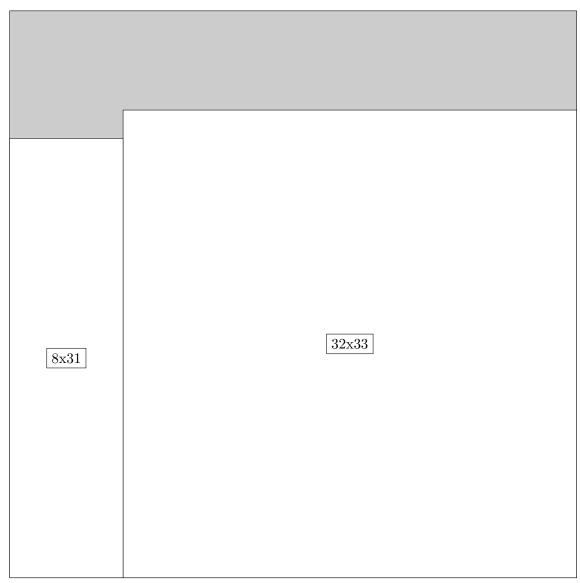
$$\begin{array}{l} w = \! 34 \; , \; h = \! 28 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 952 \\ w = \! 34 \; , \; h = \! 10 \; , \; x = \! 6 \; , \; y = \! 28 \; , \; v = \! 340 \\ w = \! 6 \; , \; h = \! 32 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 192 \end{array}$$



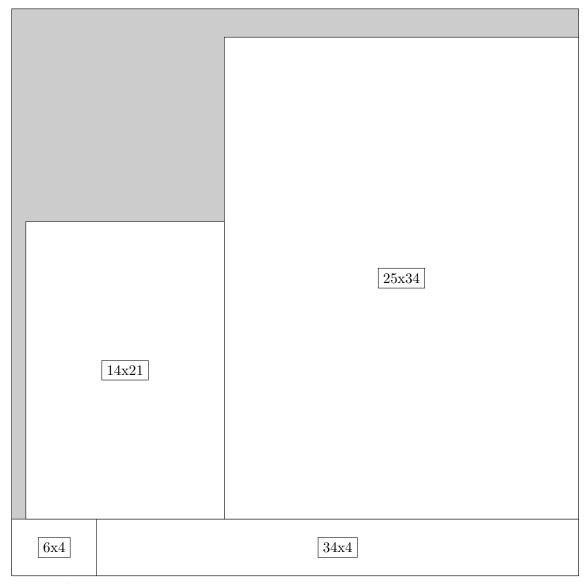
 $\le =22$, h=12 , x=0 , y=21 , v=264



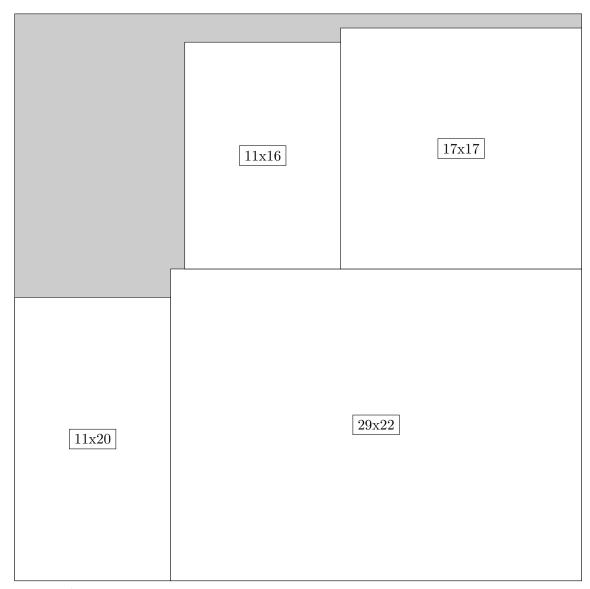
$$\begin{array}{l} w=26 \ , \ h=9 \ , \ x=14 \ , \ y=0 \ , \ v=234 \\ w=11 \ , \ h=9 \ , \ x=3 \ , \ y=0 \ , \ v=99 \\ w=3 \ , \ h=8 \ , \ x=0 \ , \ y=0 \ , \ v=24 \\ w=25 \ , \ h=31 \ , \ x=15 \ , \ y=9 \ , \ v=775 \\ w=13 \ , \ h=30 \ , \ x=2 \ , \ y=9 \ , \ v=390 \\ w=13 \ , \ h=1 \ , \ x=2 \ , \ y=39 \ , \ v=13 \end{array}$$



 $\begin{array}{l} w = & 32 \ , \ h = & 33 \ , \ x = & 8 \ , \ y = & 0 \ , \ v = & 1056 \\ w = & 8 \ , \ h = & 31 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 248 \\ \end{array}$



 $\begin{array}{l} w = 34 \;, \; h = \! 4 \;, \; x = \! 6 \;, \; y = \! 0 \;, \; v = \! 136 \\ w = \! 6 \;, \; h = \! 4 \;, \; x = \! 0 \;, \; y = \! 0 \;, \; v = \! 24 \\ w = \! 25 \;, \; h = \! 34 \;, \; x = \! 15 \;, \; y = \! 4 \;, \; v = \! 850 \\ w = \! 14 \;, \; h = \! 21 \;, \; x = \! 1 \;, \; y = \! 4 \;, \; v = \! 294 \end{array}$

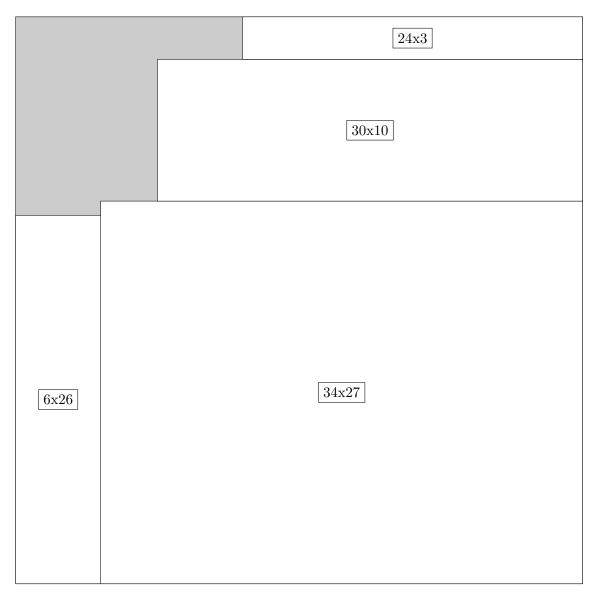


$$\le =29$$
 , h =22 , x =11 , y =0 , v =638

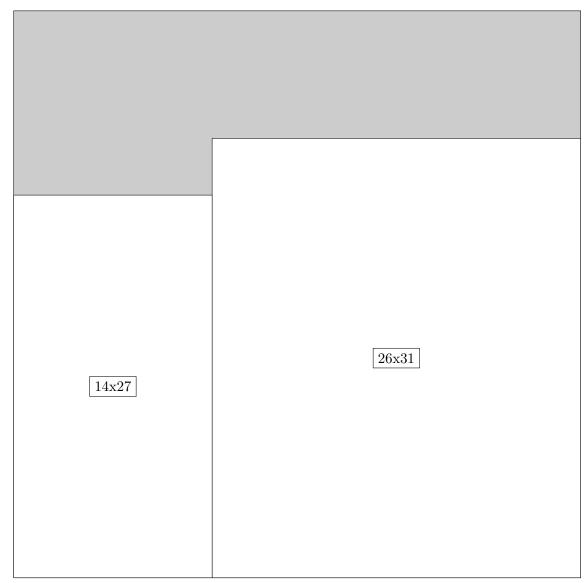
$$w$$
 =17 , h =17 , x =23 , y =22 , v =289

$$\le =11$$
 , $h=16$, $x=12$, $y=22$, $v=176$

$$\mathbf{w}$$
 =11 , h =20 , x =0 , y =0 , v =220



 $\begin{array}{l} w = & 34 \ , \ h = & 27 \ , \ x = & 6 \ , \ y = & 0 \ , \ v = & 918 \\ w = & 6 \ , \ h = & 26 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 156 \\ w = & 30 \ , \ h = & 10 \ , \ x = & 10 \ , \ y = & 27 \ , \ v = & 300 \\ w = & 24 \ , \ h = & 3 \ , \ x = & 16 \ , \ y = & 37 \ , \ v = & 72 \end{array}$



$$\begin{array}{l} w = \! 26 \ , \, h = \! 31 \ , \, x = \! 14 \ , \, y = \! 0 \ , \, v = \! 806 \\ w = \! 14 \ , \, h = \! 27 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 378 \end{array}$$

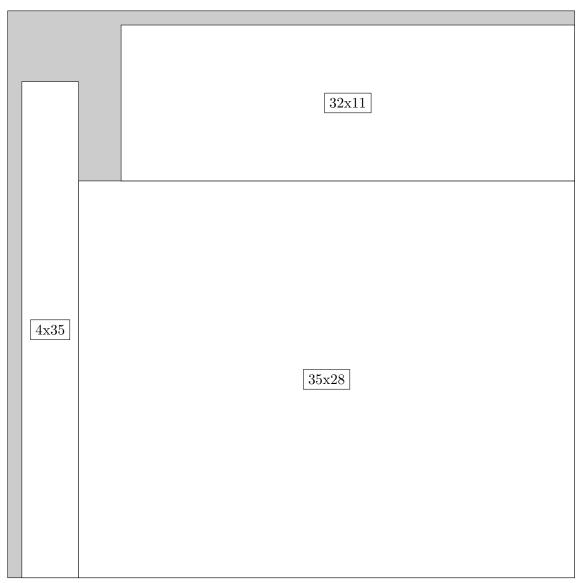
23x10	12x11
28x30	12x29

$$w=\!12$$
 , $h=\!29$, $x=\!28$, $y=\!0$, $v=\!348$

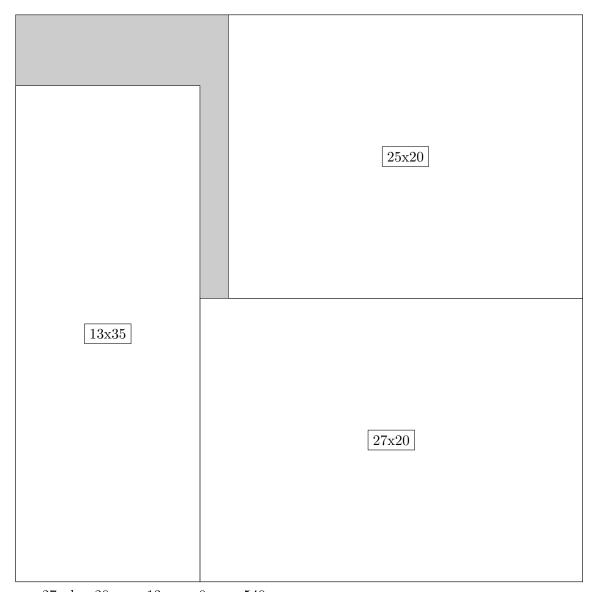
$$\le =12$$
 , h =11 , x =28 , y =29 , v =132

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

$$\le =23$$
 , h =10 , x =5 , y =30 , v =230

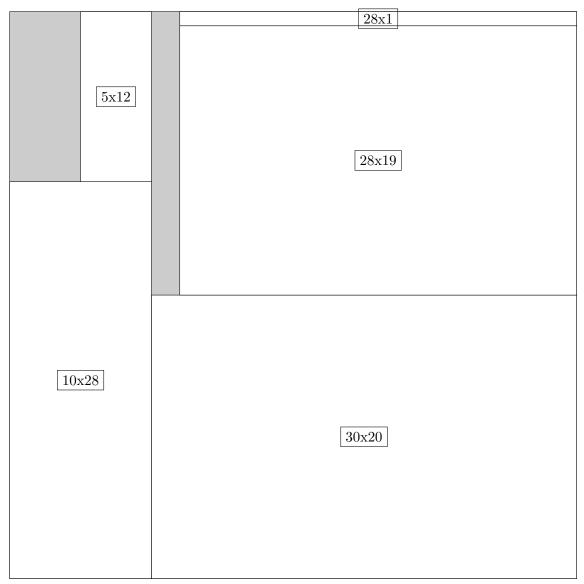


$$\begin{array}{l} w = \! 35 \; , \; h = \! 28 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 980 \\ w = \! 32 \; , \; h = \! 11 \; , \; x = \! 8 \; , \; y = \! 28 \; , \; v = \! 352 \\ w = \! 4 \; , \; h = \! 35 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 140 \end{array}$$

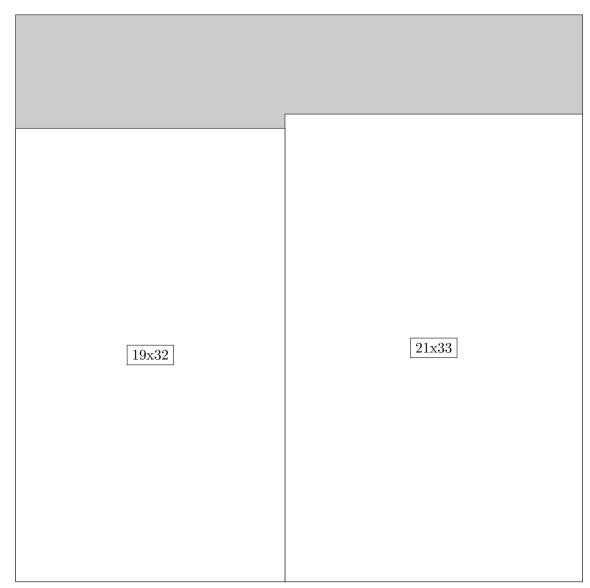


$$\le =25$$
 , h =20 , x =15 , y =20 , v =500

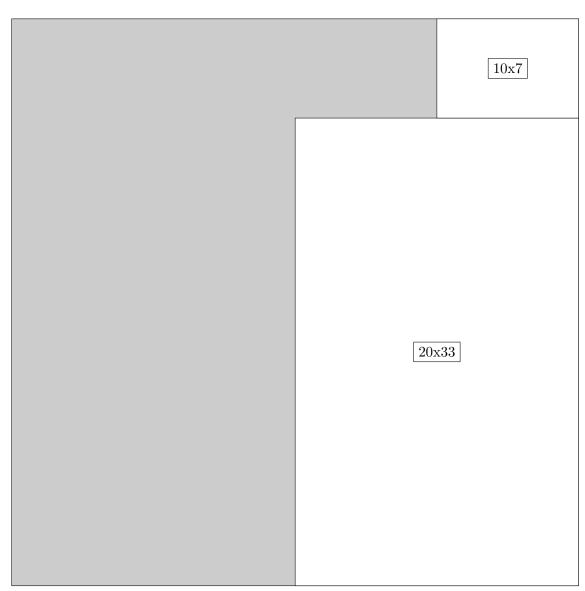
$$\le =13$$
 , h =35 , x =0 , y =0 , v =455



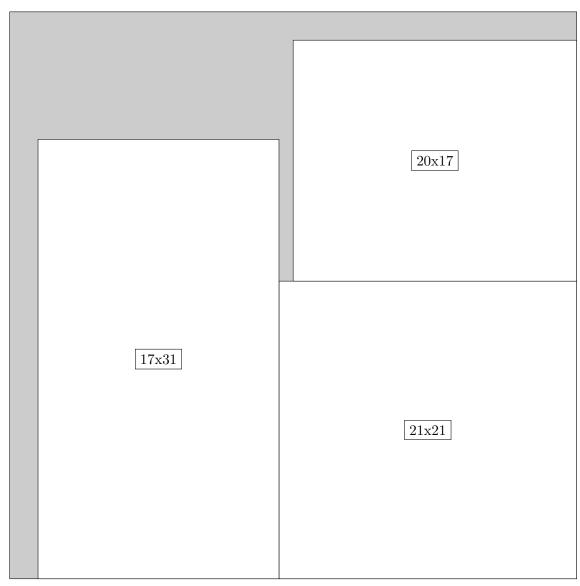
$$\begin{array}{l} w = & 30 \ , \ h = & 20 \ , \ x = & 10 \ , \ y = & 0 \ , \ v = & 600 \\ w = & 28 \ , \ h = & 19 \ , \ x = & 12 \ , \ y = & 20 \ , \ v = & 532 \\ w = & 28 \ , \ h = & 1 \ , \ x = & 12 \ , \ y = & 39 \ , \ v = & 28 \\ w = & 10 \ , \ h = & 28 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 280 \\ w = & 5 \ , \ h = & 12 \ , \ x = & 5 \ , \ y = & 28 \ , \ v = & 60 \end{array}$$



$$\begin{array}{l} w = \! 21 \ , \, h = \! 33 \ , \, x = \! 19 \ , \, y = \! 0 \ , \, v = \! 693 \\ w = \! 19 \ , \, h = \! 32 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 608 \end{array}$$



$$\begin{array}{l} w = \! 20 \ , \ h = \! 33 \ , \ x = \! 20 \ , \ y = \! 0 \ , \ v = \! 660 \\ w = \! 10 \ , \ h = \! 7 \ , \ x = \! 30 \ , \ y = \! 33 \ , \ v = \! 70 \end{array}$$



$$w = 21$$
, $h = 21$, $x = 19$, $y = 0$, $v = 441$

$$w$$
 =20 , h =17 , x =20 , y =21 , v =340

$$\le =17$$
 , h =31 , x =2 , y =0 , v =527