${\bf ClassName:}\ {\bf Class_03.2bp\text{-}37}$

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

TypeNum: <u>76</u> Num: <u>80</u> OutS: <u>35200</u> InS: <u>28863</u> Rate: <u>0.820</u> UB: <u>22</u> LB0: <u>22</u>

LB: **22** LBWithCut: **22** NodeCut: **0**

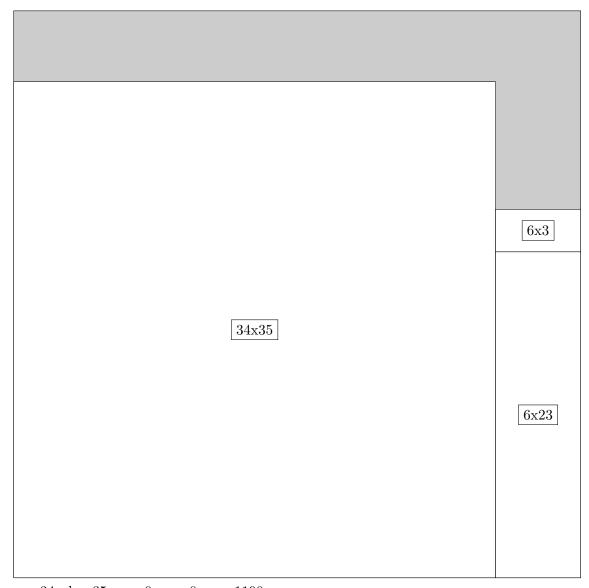
ExtendedNodeCnt: $\underline{\mathbf{1}}$

ColumnCount: <u>1</u>
PrimalNode: <u>0</u>
ColumnCount: <u>22</u>
TotalCutCount: <u>0</u>
RootCutCount: <u>0</u>
LPSolverCnt: <u>1</u>
PricingSolverCnt: <u>0</u>

Branch And
Bound Num: $\underline{\mathbf{1}}$

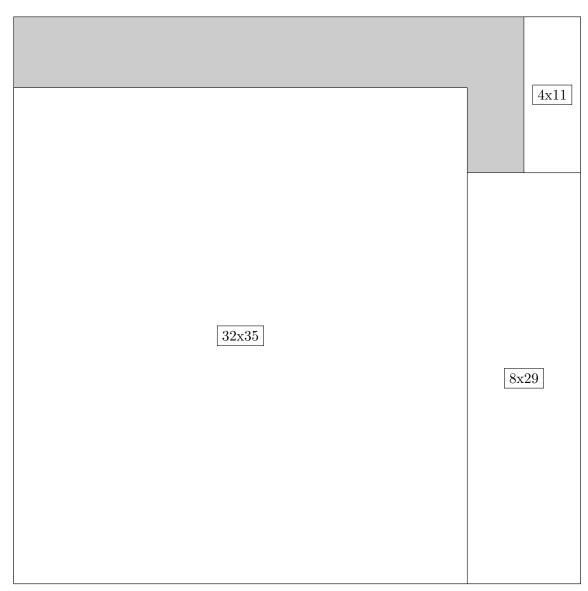
is Opt: $\underline{\mathbf{true}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 0.125 s

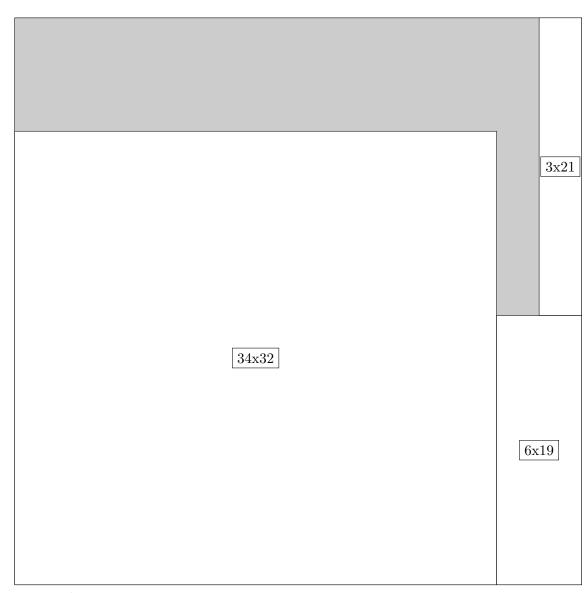


 $\begin{array}{l} w = \!\! 34 \; , \; h = \!\! 35 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 1190 \\ w = \!\! 6 \; , \; h = \!\! 23 \; , \; x = \!\! 34 \; , \; y = \!\! 0 \; , \; v = \!\! 138 \end{array}$

w = 6, h = 3, x = 34, y = 23, v = 18

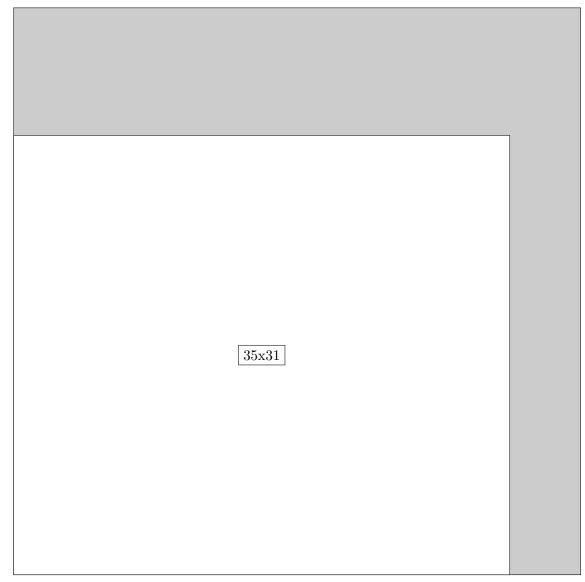


 $\begin{array}{l} w = & 32 \;,\; h = & 35 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 1120 \\ w = & 8 \;,\; h = & 29 \;,\; x = & 32 \;,\; y = & 0 \;,\; v = & 232 \\ w = & 4 \;,\; h = & 11 \;,\; x = & 36 \;,\; y = & 29 \;,\; v = & 44 \end{array}$

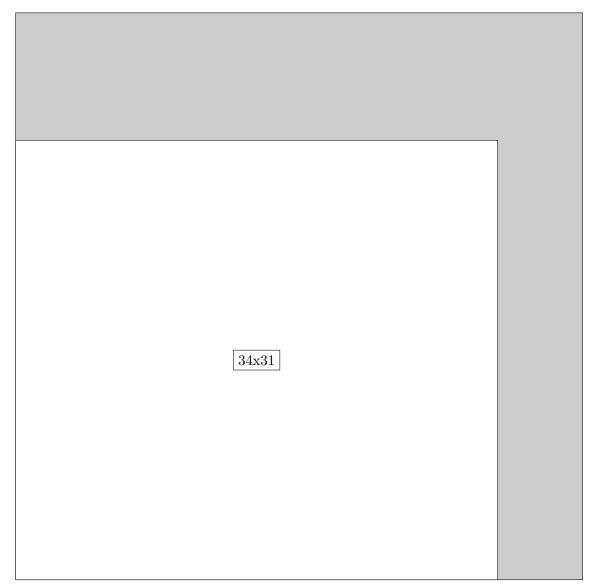


w=34 , h=32 , x=0 , y=0 , v=1088 w=6 , h=19 , x=34 , y=0 , v=114

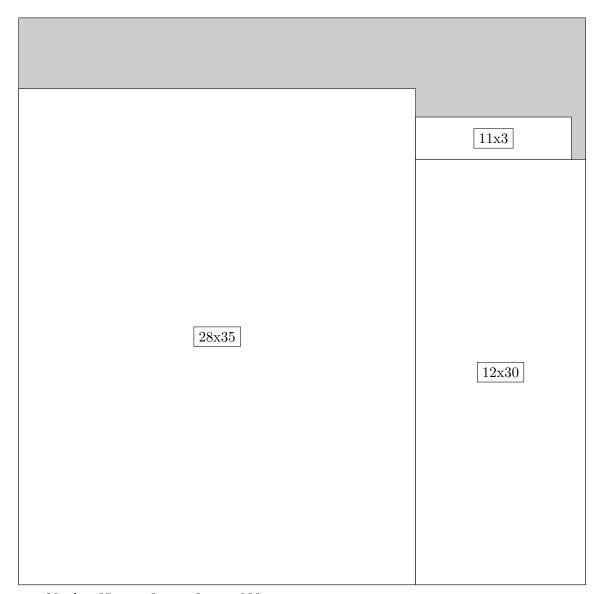
w=3 , h=21 , x=37 , y=19 , $v=\!63$



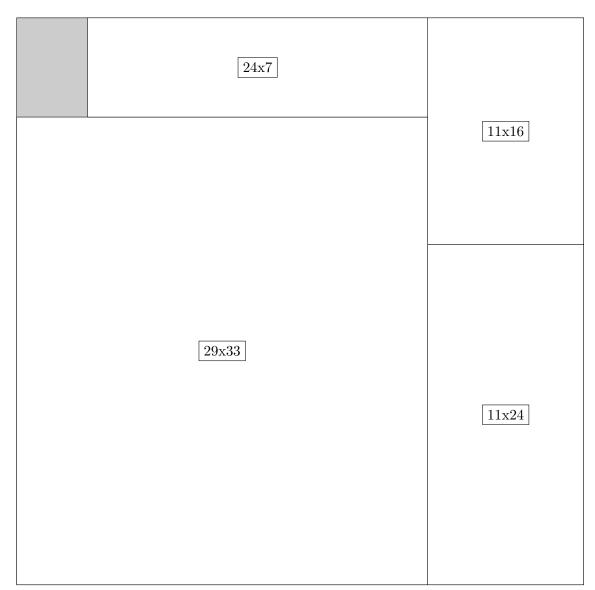
w = 35, h = 31, x = 0, y = 0, v = 1085



w = 34, h = 31, x = 0, y = 0, v = 1054



$$\begin{array}{l} w = 28 \; , \; h = \!\! 35 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 980 \\ w = \!\! 12 \; , \; h = \!\! 30 \; , \; x = \!\! 28 \; , \; y = \!\! 0 \; , \; v = \!\! 360 \\ w = \!\! 11 \; , \; h = \!\! 3 \; , \; x = \!\! 28 \; , \; y = \!\! 30 \; , \; v = \!\! 33 \end{array}$$



$$\le =29$$
 , h =33 , x =0 , y =0 , v =957

$$\le =11$$
 , $h=24$, $x=29$, $y=0$, $v=264$

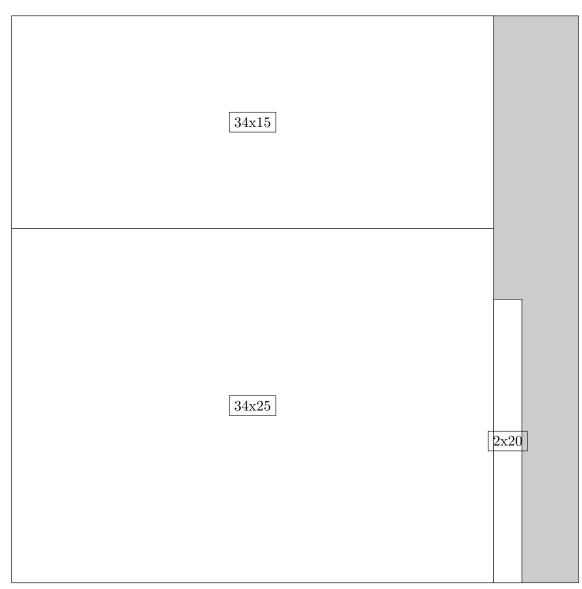
$$\le =11$$
 , h =16 , x =29 , y =24 , v =176

$$\le =24$$
 , h =7 , x =5 , y =33 , v =168

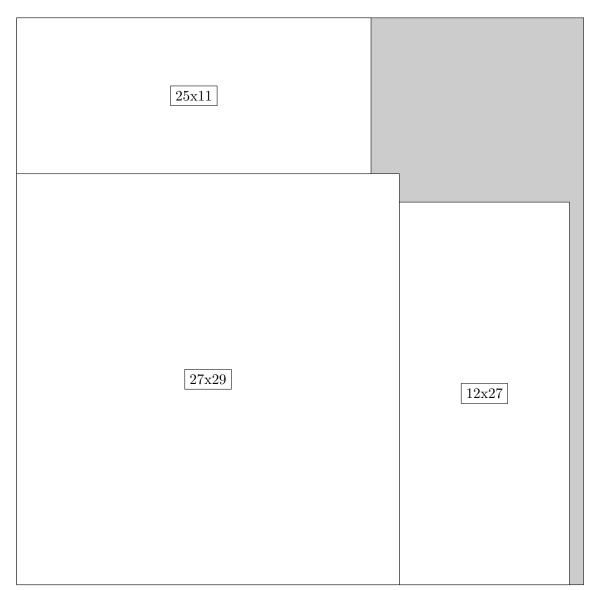
[14x7]	[17x8]
	13x8
27x32	13x24

$$\begin{array}{l} w=27 \ , \ h=32 \ , \ x=0 \ , \ y=0 \ , \ v=864 \\ w=13 \ , \ h=24 \ , \ x=27 \ , \ y=0 \ , \ v=312 \\ w=17 \ , \ h=8 \ , \ x=23 \ , \ y=32 \ , \ v=136 \\ w=13 \ , \ h=8 \ , \ x=27 \ , \ y=24 \ , \ v=104 \end{array}$$

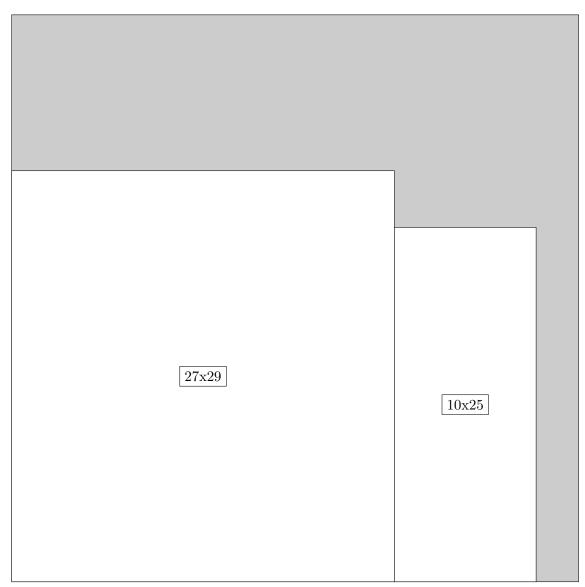
 \mathbf{w} =14 , h =7 , x =0 , y =32 , v =98

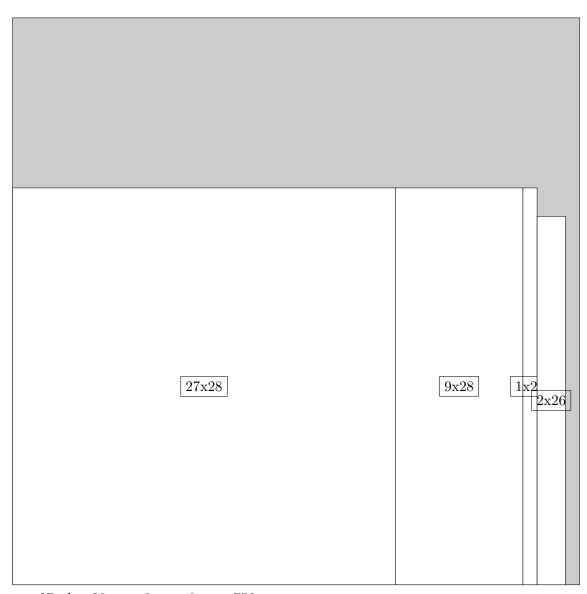


$$\begin{array}{l} w = \! 34 \; , \; h = \! 25 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 850 \\ w = \! 34 \; , \; h = \! 15 \; , \; x = \! 0 \; , \; y = \! 25 \; , \; v = \! 510 \\ w = \! 2 \; , \; h = \! 20 \; , \; x = \! 34 \; , \; y = \! 0 \; , \; v = \! 40 \end{array}$$



$$\begin{array}{l} w = \! 27 \; , \; h = \! 29 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 783 \\ w = \! 12 \; , \; h = \! 27 \; , \; x = \! 27 \; , \; y = \! 0 \; , \; v = \! 324 \\ w = \! 25 \; , \; h = \! 11 \; , \; x = \! 0 \; , \; y = \! 29 \; , \; v = \! 275 \end{array}$$



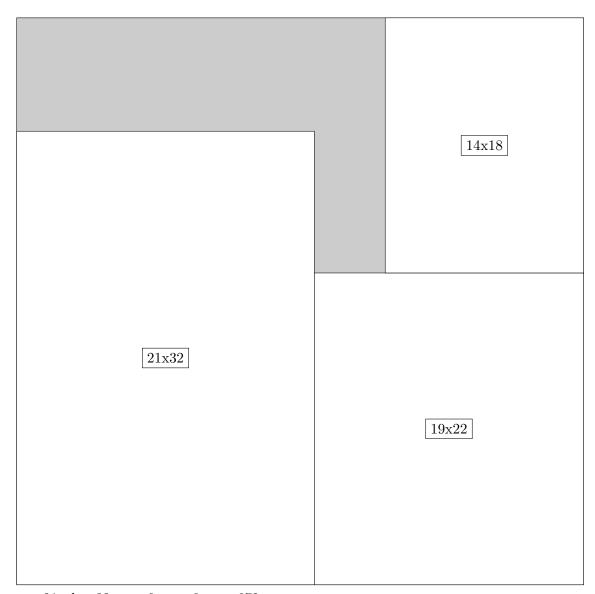


 $\begin{array}{l} w = \! 27 \; , \; h = \! 28 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 756 \\ w = \! 9 \; , \; h = \! 28 \; , \; x = \! 27 \; , \; y = \! 0 \; , \; v = \! 252 \\ w = \! 1 \; , \; h = \! 28 \; , \; x = \! 36 \; , \; y = \! 0 \; , \; v = \! 28 \end{array}$

w = 2, h = 26, x = 37, y = 0, v = 52

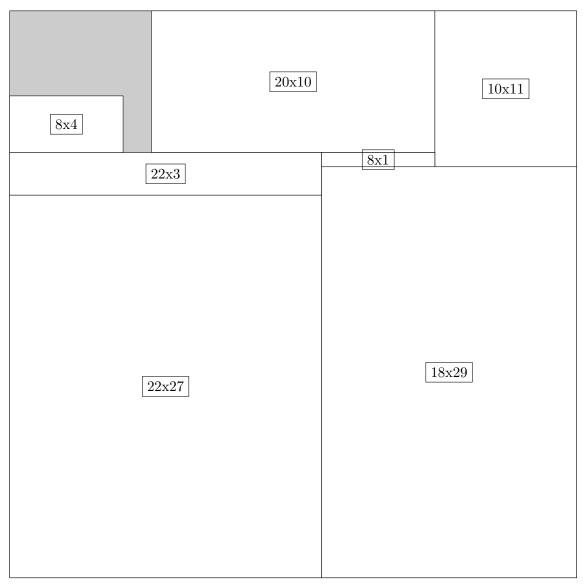


$$\begin{array}{l} w = 33 \; , \; h = 22 \; , \; x = 0 \; , \; y = 0 \; , \; v = 726 \\ w = 24 \; , \; h = 18 \; , \; x = 0 \; , \; y = 22 \; , \; v = 432 \\ w = 7 \; , \; h = 27 \; , \; x = 33 \; , \; y = 3 \; , \; v = 189 \\ w = 8 \; , \; h = 15 \; , \; x = 24 \; , \; y = 23 \; , \; v = 120 \\ w = 7 \; , \; h = 3 \; , \; x = 33 \; , \; y = 0 \; , \; v = 21 \\ w = 8 \; , \; h = 1 \; , \; x = 25 \; , \; y = 22 \; , \; v = 8 \end{array}$$



$$\begin{array}{l} w = \! 21 \ , \ h = \! 32 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 672 \\ w = \! 19 \ , \ h = \! 22 \ , \ x = \! 21 \ , \ y = \! 0 \ , \ v = \! 418 \end{array}$$

$$w = 14$$
, $h = 18$, $x = 26$, $y = 22$, $v = 252$



$$w = 22$$
, $h = 27$, $x = 0$, $y = 0$, $v = 594$

$$\le =18$$
 , h =29 , x =22 , y =0 , v =522

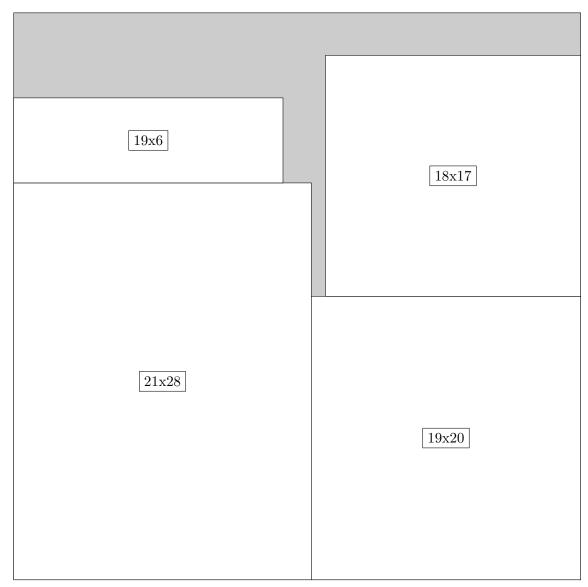
$$\le =20$$
 , h =10 , x =10 , y =30 , v =200

$$w = 10$$
, $h = 11$, $x = 30$, $y = 29$, $v = 110$

$$\le =22$$
 , h =3 , x =0 , y =27 , v =66

$$\mathbf{w}$$
 =8 , h =4 , x =0 , y =30 , v =32

$$w$$
 =8 , h =1 , x =22 , y =29 , v =8

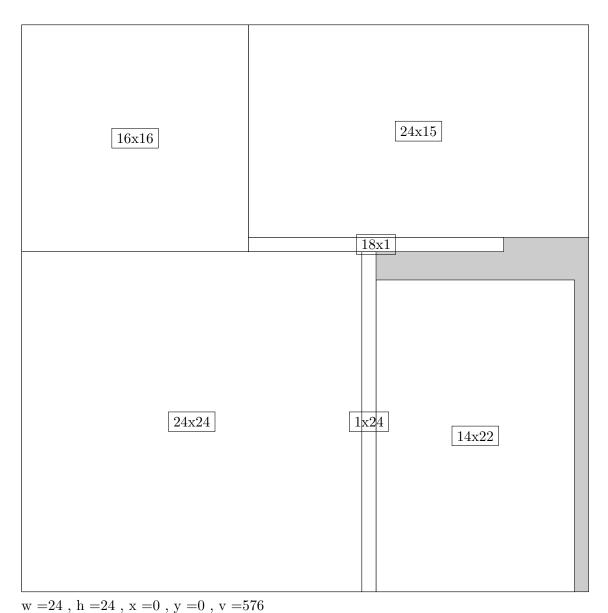


$$w = 21 \ , \ h = 28 \ , \ x = 0 \ , \ y = 0 \ , \ v = 588$$

$$\le =19$$
 , h =20 , x =21 , y =0 , v =380

$$\le =18$$
 , h =17 , x =22 , y =20 , v =306

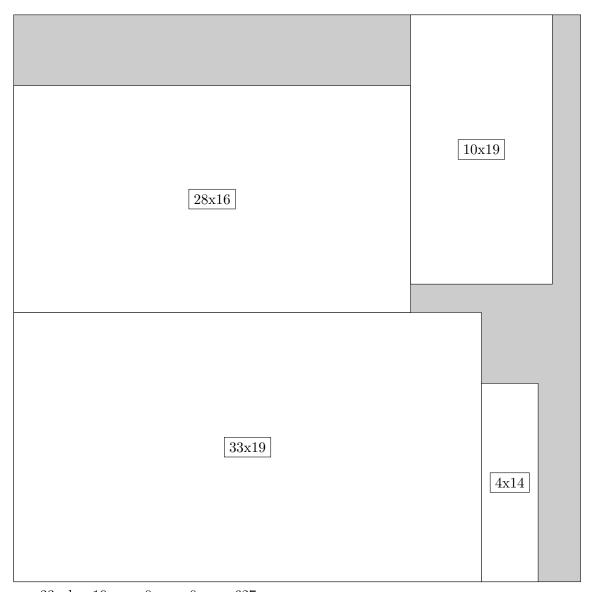
$$\le =19$$
 , h =6 , x =0 , y =28 , v =114



$$w = 16$$
, $h = 16$, $x = 0$, $y = 24$, $v = 256$

$$w = 1$$
, $h = 24$, $x = 24$, $y = 0$, $v = 24$

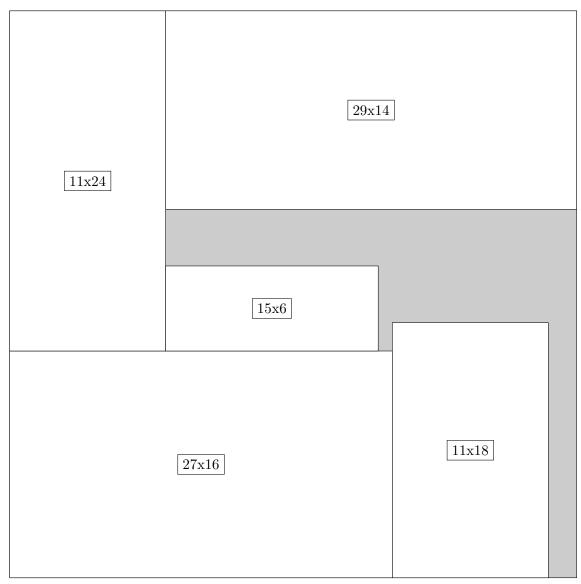
$$w = 18$$
, $h = 1$, $x = 16$, $y = 24$, $v = 18$



$$\begin{array}{c} w = \!\! 33 \ , \ h = \!\! 19 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 627 \\ w = \!\! 28 \ , \ h = \!\! 16 \ , \ x = \!\! 0 \ , \ y = \!\! 19 \ , \ v = \!\! 448 \end{array}$$

$$\le =10$$
 , $h=19$, $x=28$, $y=21$, $v=190$

$$\le 4$$
 , h =
14 , x =
33 , y =
0 , v =
56



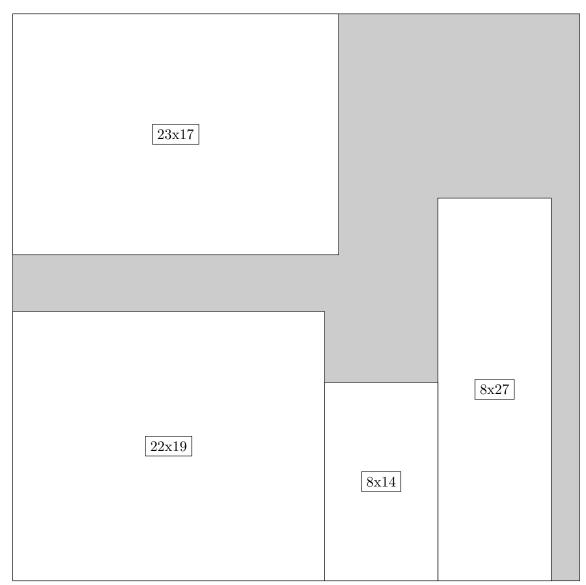
$$w = 27$$
, $h = 16$, $x = 0$, $y = 0$, $v = 432$

$$\le =29$$
 , h =14 , x =11 , y =26 , v =406

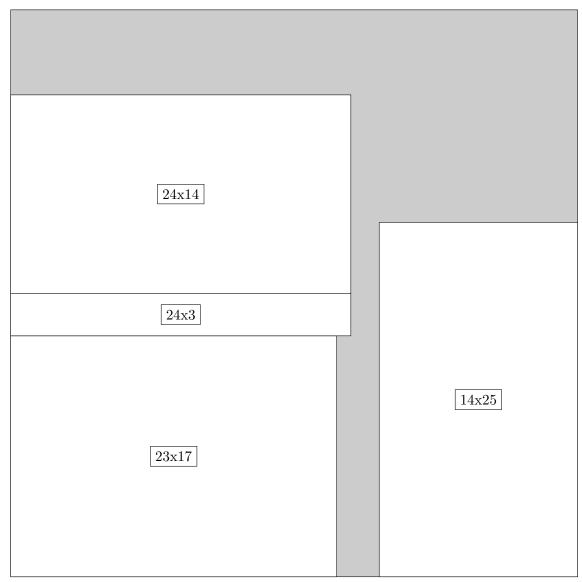
$$\le =11$$
 , h =24 , x =0 , y =16 , v =264

$$\mathbf{w}$$
 =11 , h =18 , x =27 , y =0 , v =198

$$\le =15$$
 , h =6 , x =11 , y =16 , v =90



 $\begin{array}{l} w=22 \ , \ h=19 \ , \ x=0 \ , \ y=0 \ , \ v=418 \\ w=23 \ , \ h=17 \ , \ x=0 \ , \ y=23 \ , \ v=391 \\ w=8 \ , \ h=27 \ , \ x=30 \ , \ y=0 \ , \ v=216 \\ w=8 \ , \ h=14 \ , \ x=22 \ , \ y=0 \ , \ v=112 \end{array}$

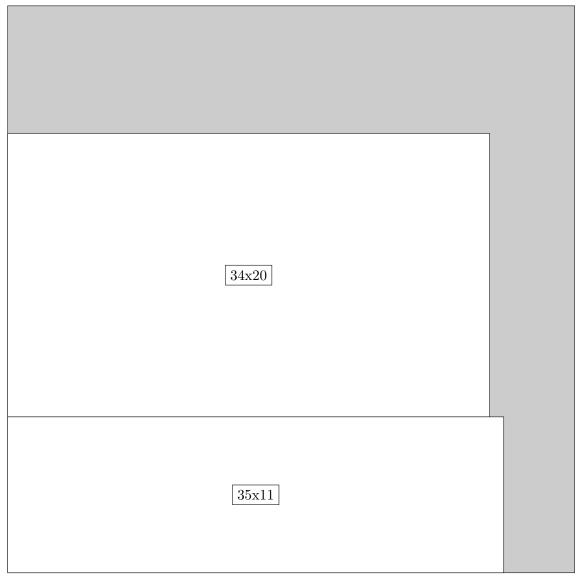


$$\le =23$$
 , h =17 , x =0 , y =0 , v =391

$$\le =14$$
 , $h=25$, $x=26$, $y=0$, $v=350$

$$\le =24$$
 , h =14 , x =0 , y =20 , v =336

$$\le =24$$
 , h =3 , x =0 , y =17 , v =72



$$\begin{array}{l} w = \! 34 \ , \, h = \! 20 \ , \, x = \! 0 \ , \, y = \! 11 \ , \, v = \! 680 \\ w = \! 35 \ , \, h = \! 11 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 385 \end{array}$$