${\bf ClassName:}~{\bf Class\_03.2bp\text{-}32}$ 

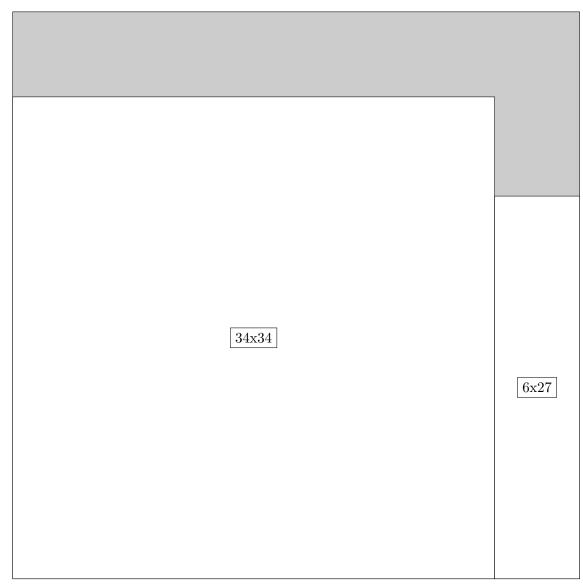
BinSize:  $\underline{40 \times 40}$ ReduceSize:  $\underline{40 \times 40}$ 

TypeNum: <u>76</u>
Num: <u>80</u>
OutS: <u>28800</u>
InS: <u>24830</u>
Rate: <u>0.862</u>
UB: <u>18</u>
LB0: <u>18</u>
LB: <u>18</u>

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

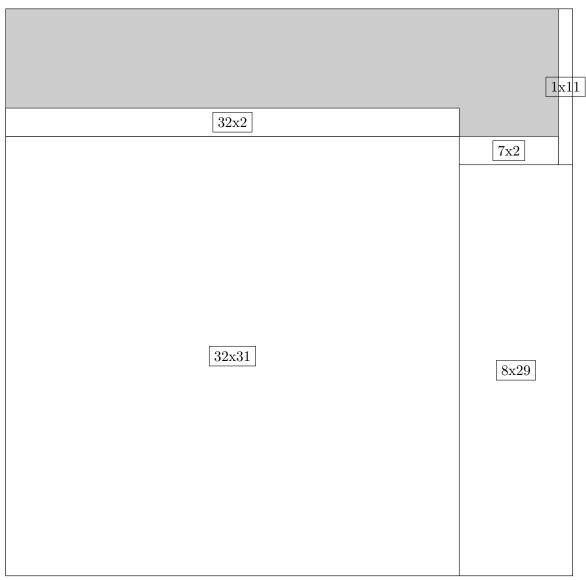
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 0.125 s



w =34, h =34, x =0, y =0, v =1156 w =6, h =27, x =34, y =0, v =162

	[20x9]	
34x31	6x31	

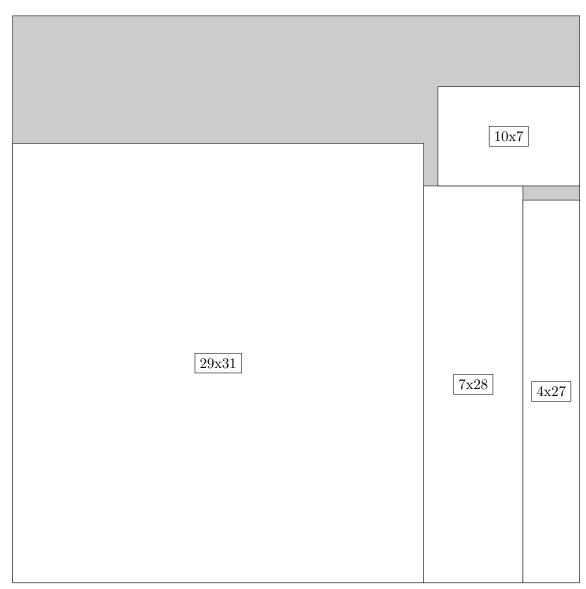
 $\begin{array}{l} w = \! 34 \; , \; h = \! 31 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 1054 \\ w = \! 6 \; , \; h = \! 31 \; , \; x = \! 34 \; , \; y = \! 0 \; , \; v = \! 186 \\ w = \! 20 \; , \; h = \! 9 \; , \; x = \! 20 \; , \; y = \! 31 \; , \; v = \! 180 \end{array}$ 



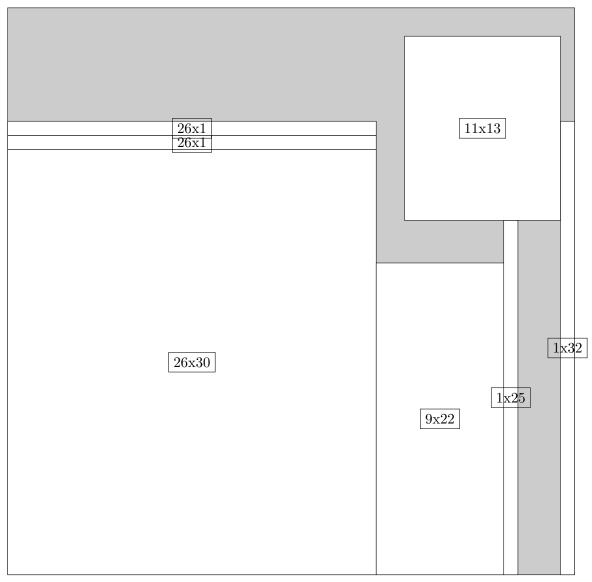
 $\begin{array}{l} w = & 32 \ , \ h = & 31 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 992 \\ w = & 8 \ , \ h = & 29 \ , \ x = & 32 \ , \ y = & 0 \ , \ v = & 232 \\ w = & 32 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 31 \ , \ v = & 64 \\ w = & 7 \ , \ h = & 2 \ , \ x = & 32 \ , \ y = & 29 \ , \ v = & 14 \\ w = & 1 \ , \ h = & 11 \ , \ x = & 39 \ , \ y = & 29 \ , \ v = & 11 \end{array}$ 

11x3	7x3	6x3	
	27x2		
	27x35		
	21,30		
			13x24
			13.24

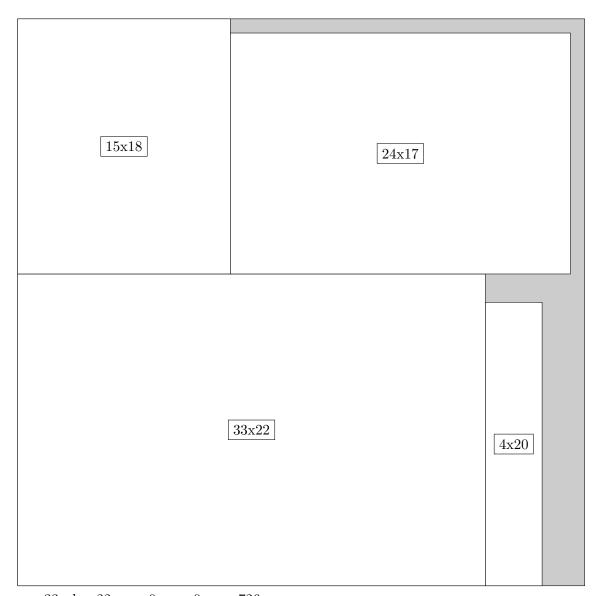
$$\begin{array}{l} w=27\;,\; h=35\;,\; x=0\;,\; y=0\;,\; v=945\\ w=13\;,\; h=24\;,\; x=27\;,\; y=0\;,\; v=312\\ w=27\;,\; h=2\;,\; x=0\;,\; y=35\;,\; v=54\\ w=11\;,\; h=3\;,\; x=0\;,\; y=37\;,\; v=33\\ w=7\;,\; h=3\;,\; x=11\;,\; y=37\;,\; v=21\\ w=6\;,\; h=3\;,\; x=18\;,\; y=37\;,\; v=18\\ \end{array}$$



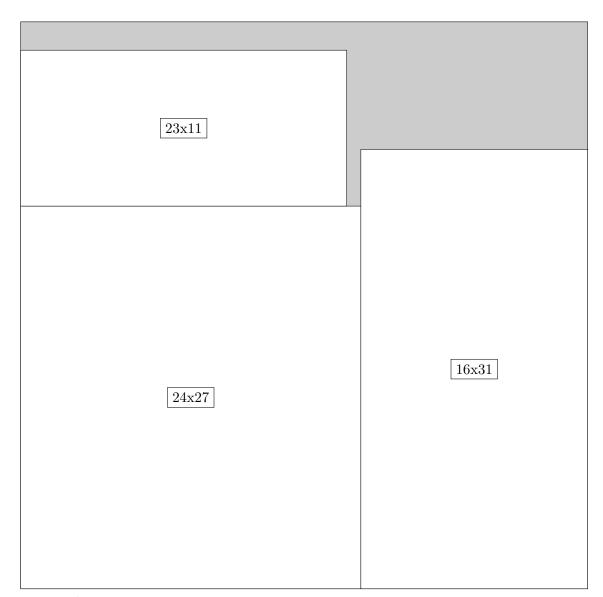
 $\begin{array}{l} w=29 \ , \ h=31 \ , \ x=0 \ , \ y=0 \ , \ v=899 \\ w=7 \ , \ h=28 \ , \ x=29 \ , \ y=0 \ , \ v=196 \\ w=4 \ , \ h=27 \ , \ x=36 \ , \ y=0 \ , \ v=108 \\ w=10 \ , \ h=7 \ , \ x=30 \ , \ y=28 \ , \ v=70 \end{array}$ 



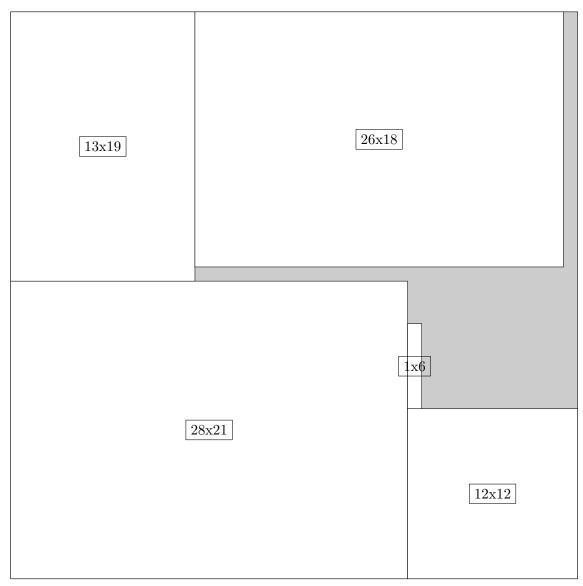
 $\begin{array}{l} w=26\;,\; h=30\;,\; x=0\;,\; y=0\;,\; v=780\\ w=1\;,\; h=32\;,\; x=39\;,\; y=0\;,\; v=32\\ w=11\;,\; h=13\;,\; x=28\;,\; y=25\;,\; v=143\\ w=9\;,\; h=22\;,\; x=26\;,\; y=0\;,\; v=198\\ w=26\;,\; h=1\;,\; x=0\;,\; y=30\;,\; v=26\\ w=26\;,\; h=1\;,\; x=0\;,\; y=31\;,\; v=26\\ w=1\;,\; h=25\;,\; x=35\;,\; y=0\;,\; v=25\\ \end{array}$ 



$$\begin{array}{l} w = & 33 \ , \ h = & 22 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 726 \\ w = & 24 \ , \ h = & 17 \ , \ x = & 15 \ , \ y = & 22 \ , \ v = & 408 \\ w = & 15 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 22 \ , \ v = & 270 \\ w = & 4 \ , \ h = & 20 \ , \ x = & 33 \ , \ y = & 0 \ , \ v = & 80 \end{array}$$



$$\begin{array}{l} w = \!\! 24 \ , \ h = \!\! 27 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 648 \\ w = \!\! 16 \ , \ h = \!\! 31 \ , \ x = \!\! 24 \ , \ y = \!\! 0 \ , \ v = \!\! 496 \\ w = \!\! 23 \ , \ h = \!\! 11 \ , \ x = \!\! 0 \ , \ y = \!\! 27 \ , \ v = \!\! 253 \end{array}$$



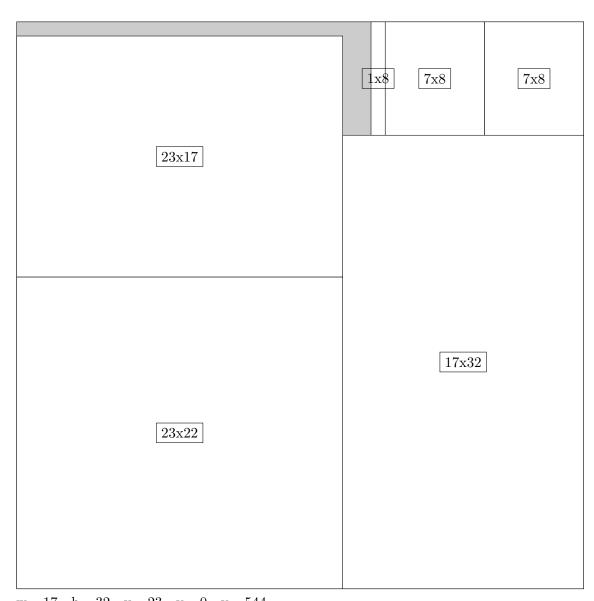
$$w = 28$$
,  $h = 21$ ,  $x = 0$ ,  $y = 0$ ,  $v = 588$ 

$$\le =12$$
 ,  $h=12$  ,  $x=28$  ,  $y=0$  ,  $v=144$ 

$$\le =13$$
 , h =19 , x =0 , y =21 , v =247

$$\le =26$$
 , h =18 , x =13 , y =22 , v =468

$$\mathbf{w}$$
 =1 , h =6 , x =28 , y =12 , v =6



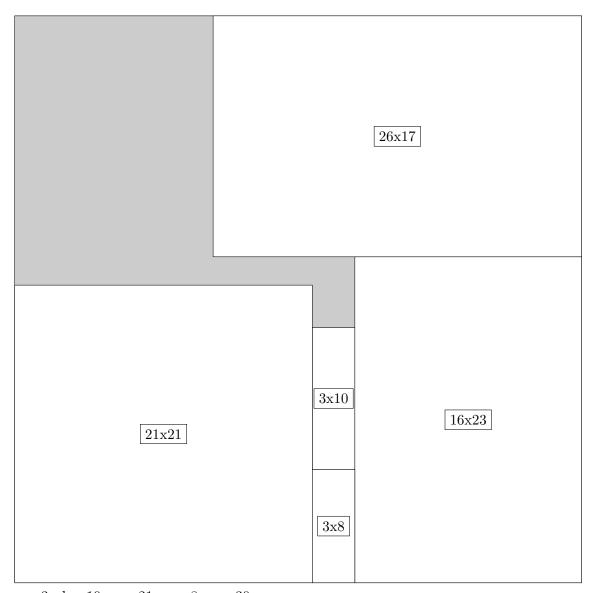
$$\begin{array}{l} w = \! 17 \ , \ h = \! 32 \ , \ x = \! 23 \ , \ y = \! 0 \ , \ v = \! 544 \\ w = \! 23 \ , \ h = \! 22 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 506 \end{array}$$

$$\le =23$$
 , h =17 , x =0 , y =22 , v =391

$$w = 7$$
,  $h = 8$ ,  $x = 33$ ,  $y = 32$ ,  $v = 56$ 

$$\le =7$$
 , h =8 , x =26 , y =32 , v =  
56

$$\mathbf{w}$$
 =1 , h =8 , x =25 , y =32 , v =8

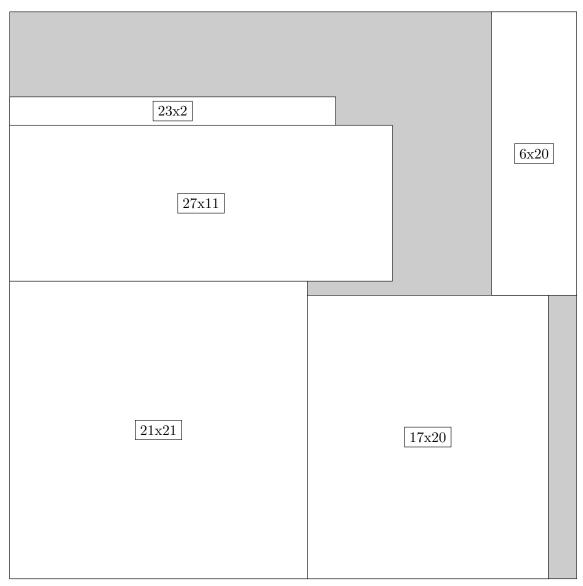


$$\begin{array}{l} w = 3 \;, \; h = \!\! 10 \;, \; x = \!\! 21 \;, \; y = \!\! 8 \;, \; v = \!\! 30 \\ w = \!\! 21 \;, \; h = \!\! 21 \;, \; x = \!\! 0 \;, \; y = \!\! 0 \;, \; v = \!\! 441 \end{array}$$

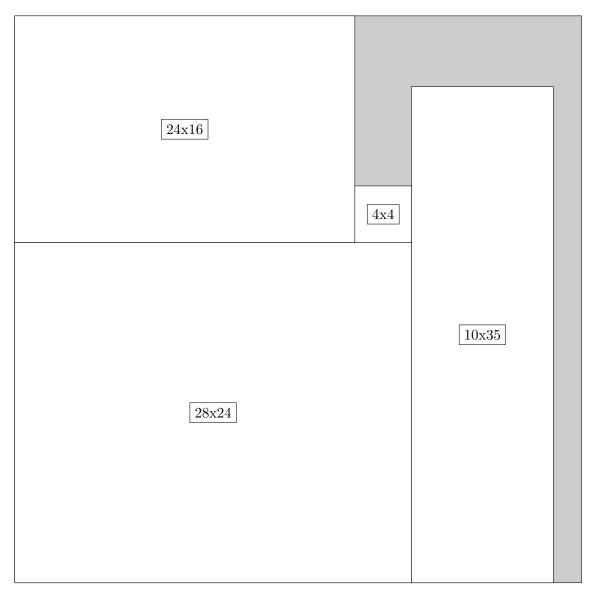
$$\le =16$$
 , h =23 , x =24 , y =0 , v =368

$$\mathbf{w}$$
 =26 , h =17 , x =14 , y =23 , v =442

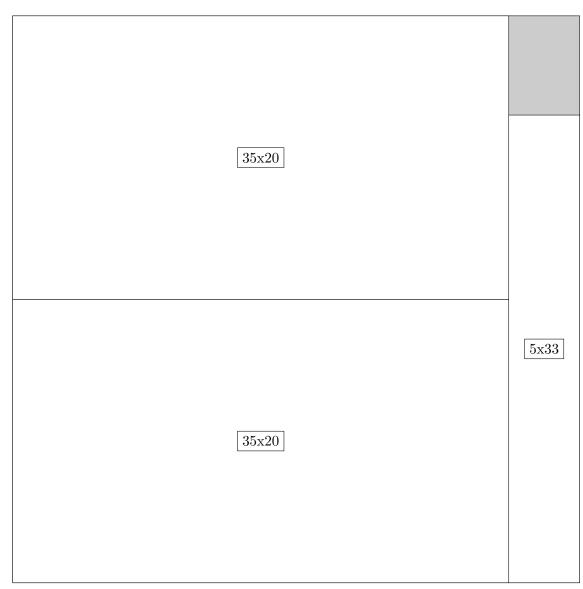
$$\mathbf{w}$$
 =3 , h =8 , x =21 , y =0 , v =24



$$\begin{array}{l} w = 21 \; , \; h = 21 \; , \; x = 0 \; , \; y = 0 \; , \; v = 441 \\ w = 17 \; , \; h = 20 \; , \; x = 21 \; , \; y = 0 \; , \; v = 340 \\ w = 27 \; , \; h = 11 \; , \; x = 0 \; , \; y = 21 \; , \; v = 297 \\ w = 6 \; , \; h = 20 \; , \; x = 34 \; , \; y = 20 \; , \; v = 120 \\ w = 23 \; , \; h = 2 \; , \; x = 0 \; , \; y = 32 \; , \; v = 46 \end{array}$$

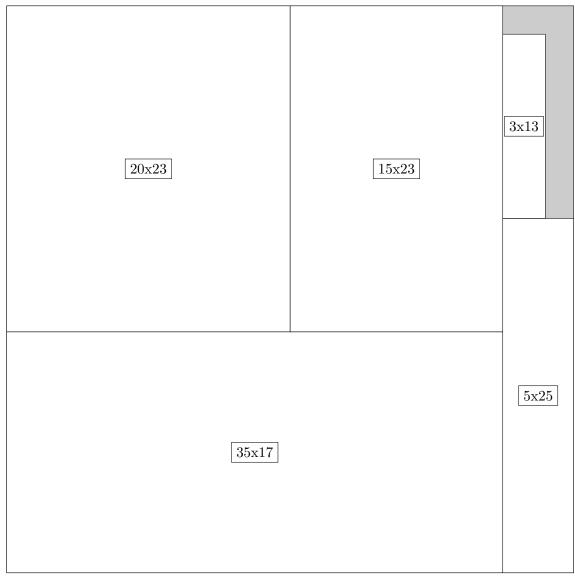


 $\begin{array}{l} w=24 \ , \ h=16 \ , \ x=0 \ , \ y=24 \ , \ v=384 \\ w=10 \ , \ h=35 \ , \ x=28 \ , \ y=0 \ , \ v=350 \\ w=28 \ , \ h=24 \ , \ x=0 \ , \ y=0 \ , \ v=672 \\ w=4 \ , \ h=4 \ , \ x=24 \ , \ y=24 \ , \ v=16 \end{array}$ 



$$\begin{array}{l} w = \! 35 \ , \ h = \! 20 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 700 \\ w = \! 35 \ , \ h = \! 20 \ , \ x = \! 0 \ , \ y = \! 20 \ , \ v = \! 700 \\ w = \! 5 \ , \ h = \! 33 \ , \ x = \! 35 \ , \ y = \! 0 \ , \ v = \! 165 \end{array}$$





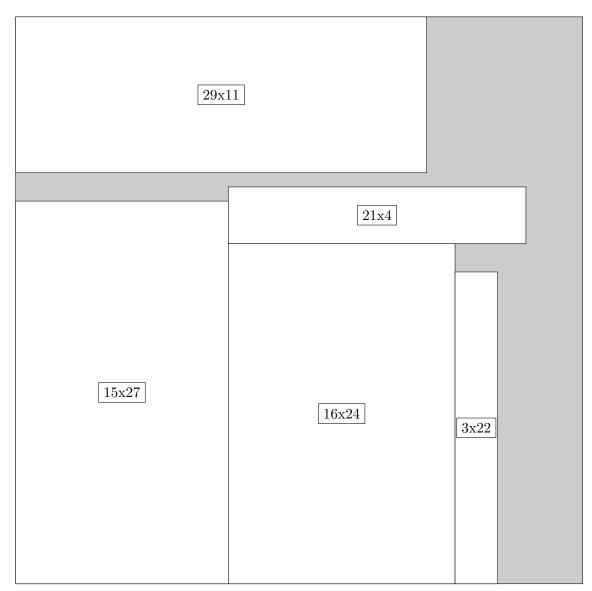
$$\le =35$$
 ,  $h=17$  ,  $x=0$  ,  $y=0$  ,  $v=595$ 

$$\le =20$$
 ,  $h=23$  ,  $x=0$  ,  $y=17$  ,  $v=460$ 

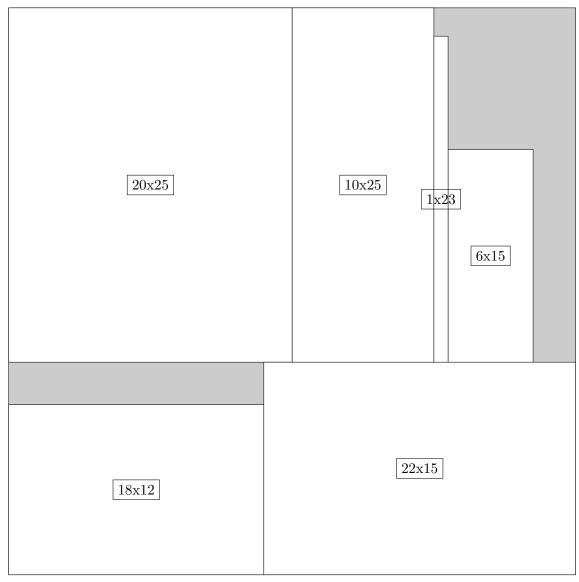
$$\le =15$$
 , h =23 , x =20 , y =17 , v =345

$$\mathbf{w}$$
 =5 , h =25 , x =35 , y =0 , v =125

$$\mathbf{w}$$
 =3 , h =13 , x =35 , y =25 , v =39



$$\begin{array}{l} w = \! 15 \ , \ h = \! 27 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 405 \\ w = \! 16 \ , \ h = \! 24 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 384 \\ w = \! 29 \ , \ h = \! 11 \ , \ x = \! 0 \ , \ y = \! 29 \ , \ v = \! 319 \\ w = \! 21 \ , \ h = \! 4 \ , \ x = \! 15 \ , \ y = \! 24 \ , \ v = \! 84 \\ w = \! 3 \ , \ h = \! 22 \ , \ x = \! 31 \ , \ y = \! 0 \ , \ v = \! 66 \end{array}$$



$$w = 18$$
,  $h = 12$ ,  $x = 0$ ,  $y = 0$ ,  $v = 216$ 

$$\le =20$$
 ,  $h=25$  ,  $x=0$  ,  $y=15$  ,  $v=500$ 

$$\le =22$$
 ,  $h$  =15 ,  $x$  =18 ,  $y$  =0 ,  $v$  =330

$$\le =10$$
 , h =25 , x =20 , y =15 , v =250

$$\mathbf{w}$$
 =6 , h =15 , x =31 , y =15 , v =90

$$\mathbf{w} = \! 1$$
 ,  $\mathbf{h} = \! 23$  ,  $\mathbf{x} = \! 30$  ,  $\mathbf{y} = \! 15$  ,  $\mathbf{v} = \! 23$