$ClassName: \ Class\_03.2bp-44$ 

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

TypeNum: <u>98</u>
Num: <u>100</u>
OutS: <u>35200</u>
InS: <u>32327</u>
Rate: <u>0.918</u>
UB: <u>22</u>
LB0: <u>22</u>
LB: <u>22</u>

LBWithCut:  $\underline{22}$  NodeCut:  $\underline{0}$ 

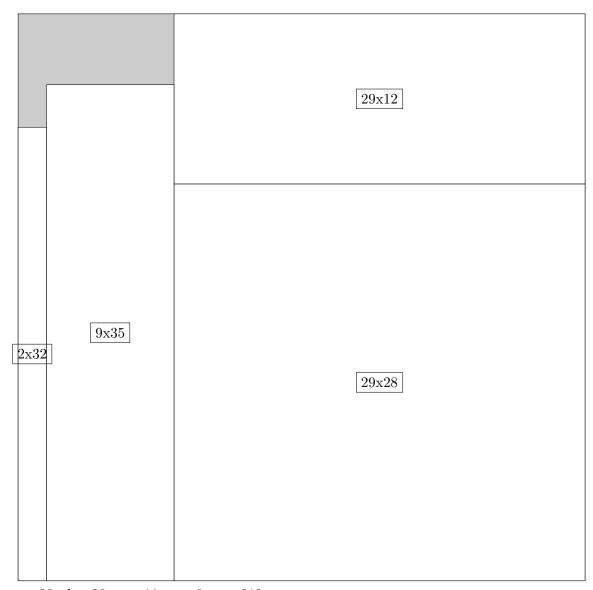
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{22}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

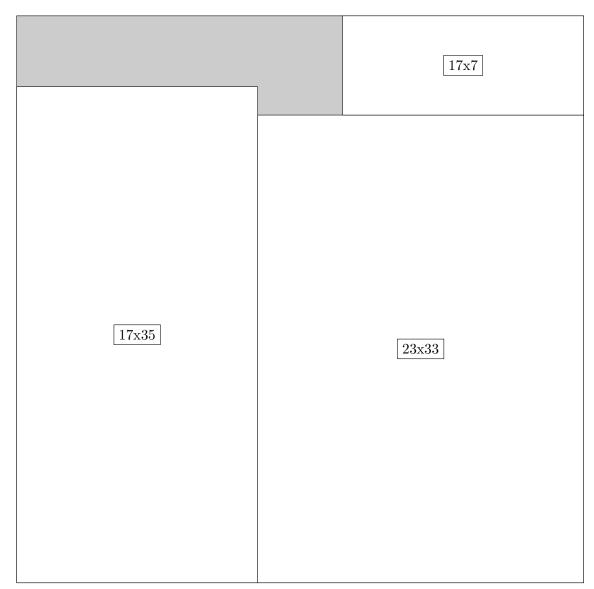
isOpt:  $\underline{\mathbf{true}}$ 

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

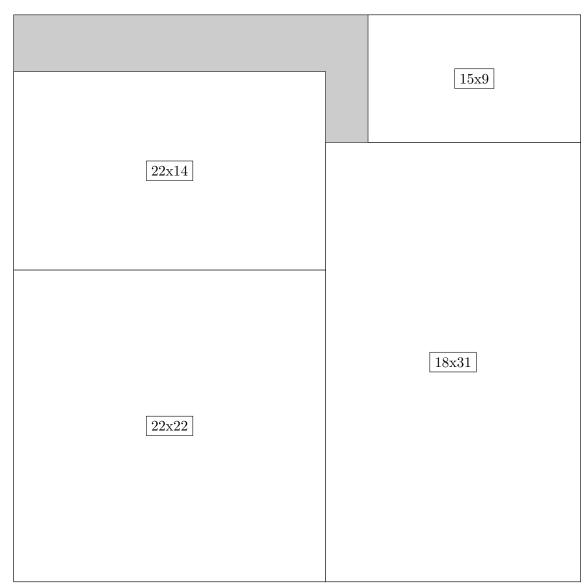
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.390 s



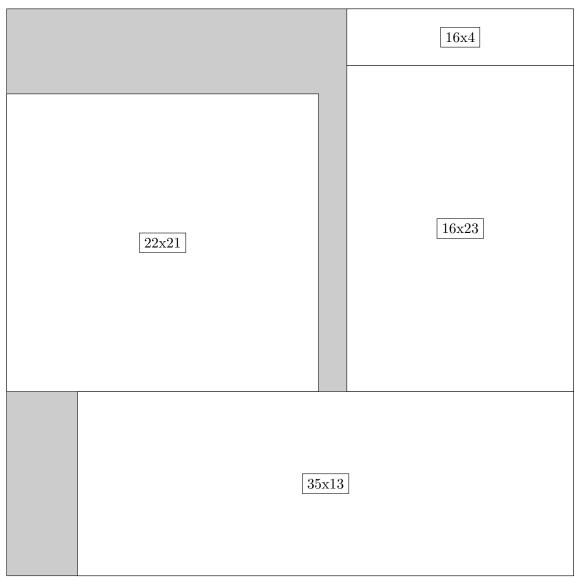
 $\begin{array}{l} w = 29 \ , \ h = 28 \ , \ x = 11 \ , \ y = 0 \ , \ v = 812 \\ w = 29 \ , \ h = 12 \ , \ x = 11 \ , \ y = 28 \ , \ v = 348 \\ w = 9 \ , \ h = 35 \ , \ x = 2 \ , \ y = 0 \ , \ v = 315 \\ w = 2 \ , \ h = 32 \ , \ x = 0 \ , \ y = 0 \ , \ v = 64 \end{array}$ 



 $\begin{array}{l} w = 23 \ , \ h = 33 \ , \ x = 17 \ , \ y = 0 \ , \ v = 759 \\ w = 17 \ , \ h = 7 \ , \ x = 23 \ , \ y = 33 \ , \ v = 119 \\ w = 17 \ , \ h = 35 \ , \ x = 0 \ , \ y = 0 \ , \ v = 595 \end{array}$ 



$$\begin{array}{l} w = & 18 \ , \ h = & 31 \ , \ x = & 22 \ , \ y = & 0 \ , \ v = & 558 \\ w = & 15 \ , \ h = & 9 \ , \ x = & 25 \ , \ y = & 31 \ , \ v = & 135 \\ w = & 22 \ , \ h = & 22 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 484 \\ w = & 22 \ , \ h = & 14 \ , \ x = & 0 \ , \ y = & 22 \ , \ v = & 308 \end{array}$$

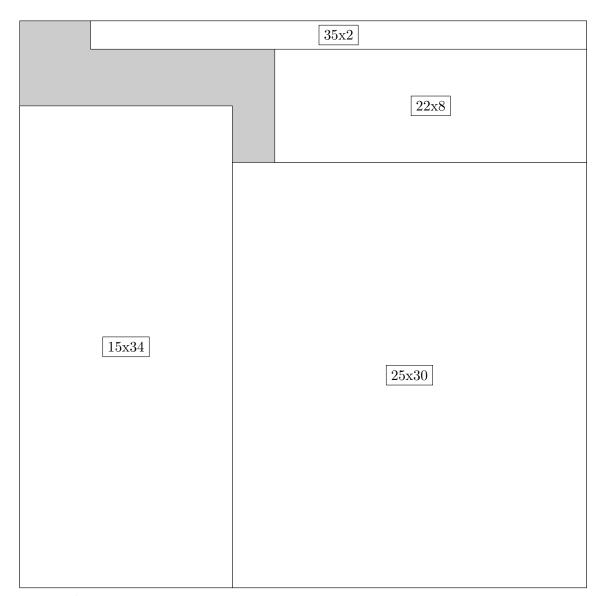


$$\le 35$$
 , h =13 , x =5 , y =0 , v =455

$$\le =16$$
 , h =23 , x =24 , y =13 , v =368

$$\le =16$$
 , h =4 , x =24 , y =36 , v =64

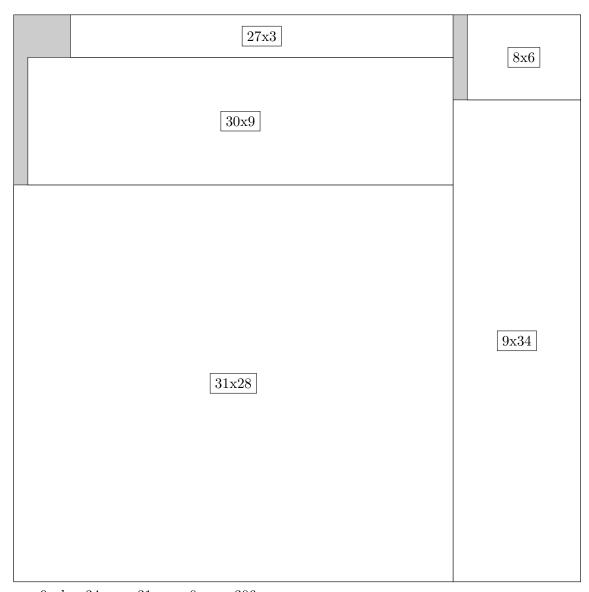
$$\mathbf{w}$$
 =22 , h =21 , x =0 , y =13 , v =462



$$\begin{array}{l} w = \! 25 \ , \, h = \! 30 \ , \, x = \! 15 \ , \, y = \! 0 \ , \, v = \! 750 \\ w = \! 22 \ , \, h = \! 8 \ , \, x = \! 18 \ , \, y = \! 30 \ , \, v = \! 176 \end{array}$$

$$\le =15$$
 , h =34 , x =0 , y =0 , v =510

$$\le 35$$
 , h =  
2 , x =  
5 , y =  
38 , v =  
70

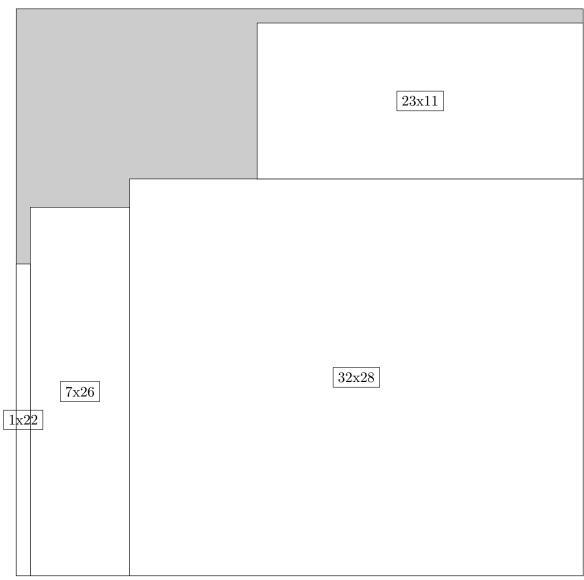


 $\begin{array}{l} w = 9 \ , \ h = \!\! 34 \ , \ x = \!\! 31 \ , \ y = \!\! 0 \ , \ v = \!\! 306 \\ w = \!\! 8 \ , \ h = \!\! 6 \ , \ x = \!\! 32 \ , \ y = \!\! 34 \ , \ v = \!\! 48 \end{array}$ 

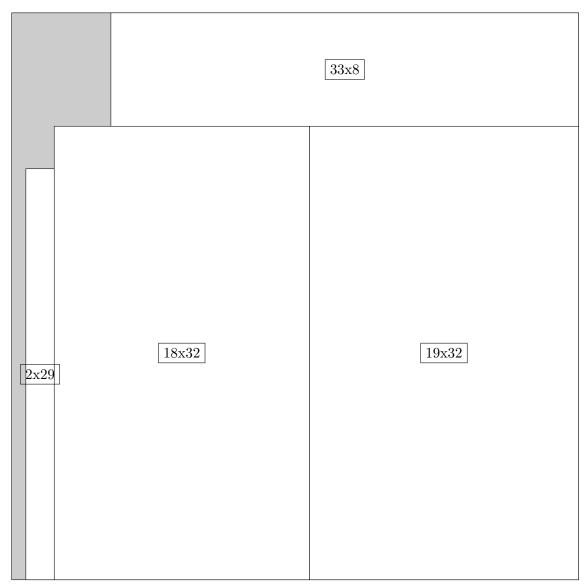
w =31, h =28, x =0, y =0, v =868

w = 30, h = 9, x = 1, y = 28, v = 270

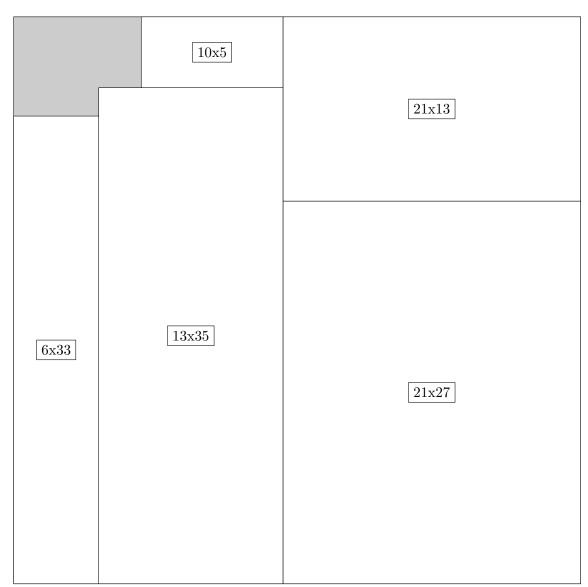
w =27, h =3, x =4, y =37, v =81



 $\begin{array}{l} w = & 32 \ , \ h = & 28 \ , \ x = & 8 \ , \ y = & 0 \ , \ v = & 896 \\ w = & 23 \ , \ h = & 11 \ , \ x = & 17 \ , \ y = & 28 \ , \ v = & 253 \\ w = & 7 \ , \ h = & 26 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 182 \\ w = & 1 \ , \ h = & 22 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 22 \end{array}$ 



 $\begin{array}{l} w=19 \ , \ h=32 \ , \ x=21 \ , \ y=0 \ , \ v=608 \\ w=18 \ , \ h=32 \ , \ x=3 \ , \ y=0 \ , \ v=576 \\ w=2 \ , \ h=29 \ , \ x=1 \ , \ y=0 \ , \ v=58 \\ w=33 \ , \ h=8 \ , \ x=7 \ , \ y=32 \ , \ v=264 \end{array}$ 



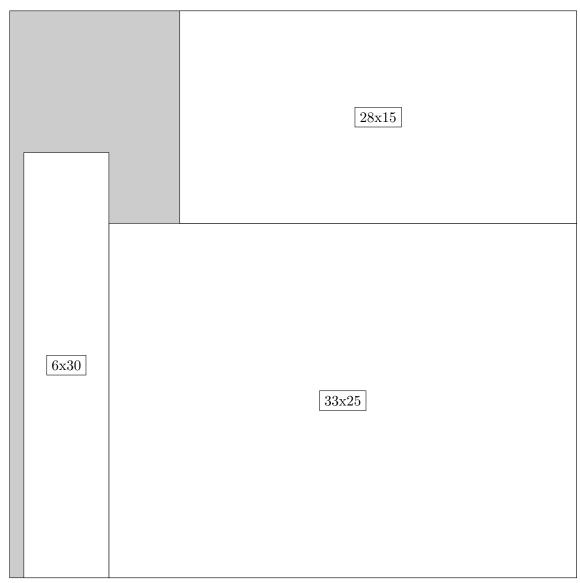
$$\le =21$$
 , h =27 , x =19 , y =0 , v =  
567

$$\le =21$$
 ,  $h=13$  ,  $x=19$  ,  $y=27$  ,  $v=273$ 

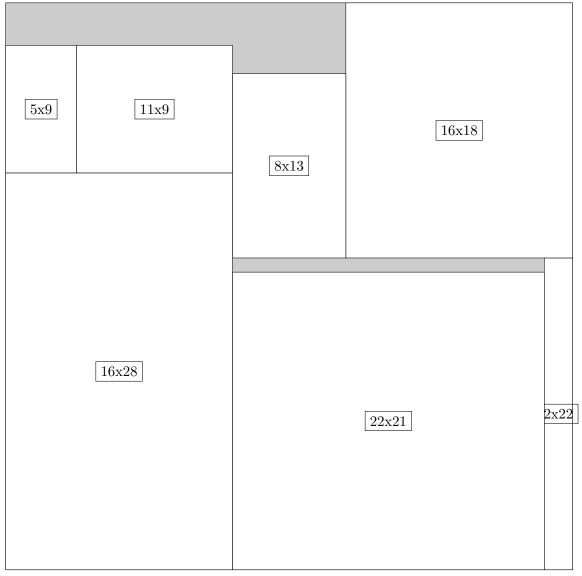
$$\le =13$$
 ,  $h$  =35 ,  $x$  =6 ,  $y$  =0 ,  $v$  =455

$$\le =10$$
 ,  $h=5$  ,  $x=9$  ,  $y=35$  ,  $v=50$ 

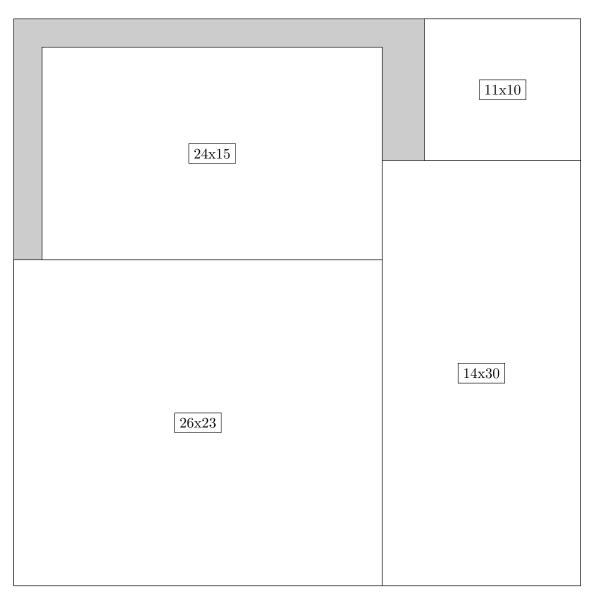
$$w = 6$$
,  $h = 33$ ,  $x = 0$ ,  $y = 0$ ,  $v = 198$ 



 $\begin{array}{l} w = \! 33 \ , \ h = \! 25 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 825 \\ w = \! 28 \ , \ h = \! 15 \ , \ x = \! 12 \ , \ y = \! 25 \ , \ v = \! 420 \\ w = \! 6 \ , \ h = \! 30 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 180 \end{array}$ 



$$\begin{array}{l} w=2\ ,\, h=22\ ,\, x=38\ ,\, y=0\ ,\, v=44\\ w=22\ ,\, h=21\ ,\, x=16\ ,\, y=0\ ,\, v=462\\ w=16\ ,\, h=18\ ,\, x=24\ ,\, y=22\ ,\, v=288\\ w=8\ ,\, h=13\ ,\, x=16\ ,\, y=22\ ,\, v=104\\ w=16\ ,\, h=28\ ,\, x=0\ ,\, y=0\ ,\, v=448\\ w=11\ ,\, h=9\ ,\, x=5\ ,\, y=28\ ,\, v=99\\ w=5\ ,\, h=9\ ,\, x=0\ ,\, y=28\ ,\, v=45\\ \end{array}$$

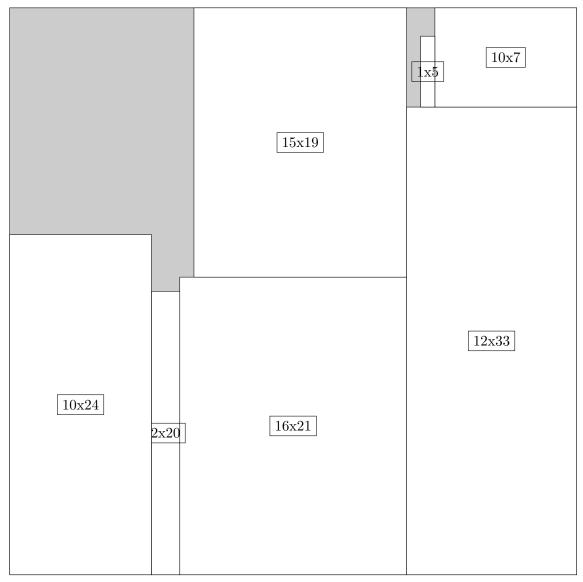


$$\le =14$$
 , h =30 , x =26 , y =0 , v =420

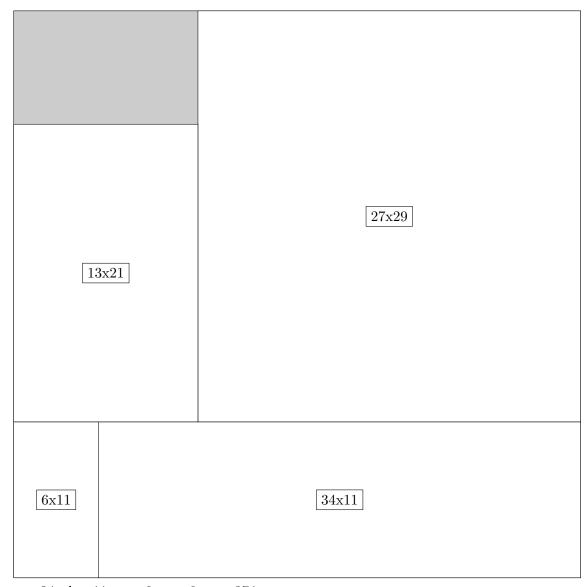
$$w=\!11$$
 ,  $h=\!10$  ,  $x=\!29$  ,  $y=\!30$  ,  $v=\!110$ 

$$\mathbf{w}$$
 =26 , h =23 , x =0 , y =0 , v =598

$$\le =24$$
 ,  $h$  =15 ,  $x$  =2 ,  $y$  =23 ,  $v$  =360



$$\begin{array}{l} w = 12 \; , \; h = 33 \; , \; x = 28 \; , \; y = 0 \; , \; v = 396 \\ w = 10 \; , \; h = 7 \; , \; x = 30 \; , \; y = 33 \; , \; v = 70 \\ w = 1 \; , \; h = 5 \; , \; x = 29 \; , \; y = 33 \; , \; v = 5 \\ w = 16 \; , \; h = 21 \; , \; x = 12 \; , \; y = 0 \; , \; v = 336 \\ w = 2 \; , \; h = 20 \; , \; x = 10 \; , \; y = 0 \; , \; v = 40 \\ w = 15 \; , \; h = 19 \; , \; x = 13 \; , \; y = 21 \; , \; v = 285 \\ w = 10 \; , \; h = 24 \; , \; x = 0 \; , \; y = 0 \; , \; v = 240 \end{array}$$



 $\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 11 \ , \ x = \!\! 6 \ , \ y = \!\! 0 \ , \ v = \!\! 374 \\ w = \!\! 6 \ , \ h = \!\! 11 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 66 \\ w = \!\! 27 \ , \ h = \!\! 29 \ , \ x = \!\! 13 \ , \ y = \!\! 11 \ , \ v = \!\! 783 \\ w = \!\! 13 \ , \ h = \!\! 21 \ , \ x = \!\! 0 \ , \ y = \!\! 11 \ , \ v = \!\! 273 \end{array}$ 

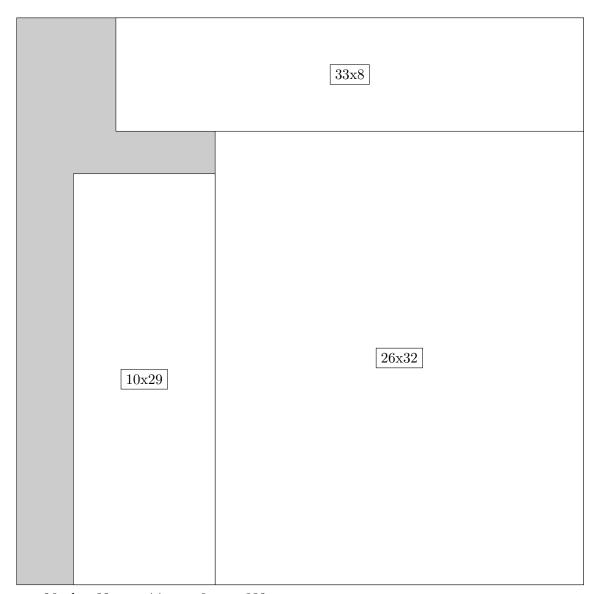
13x11	25x11
19x28	21x29

$$\le =21$$
 , h =29 , x =19 , y =0 , v =609

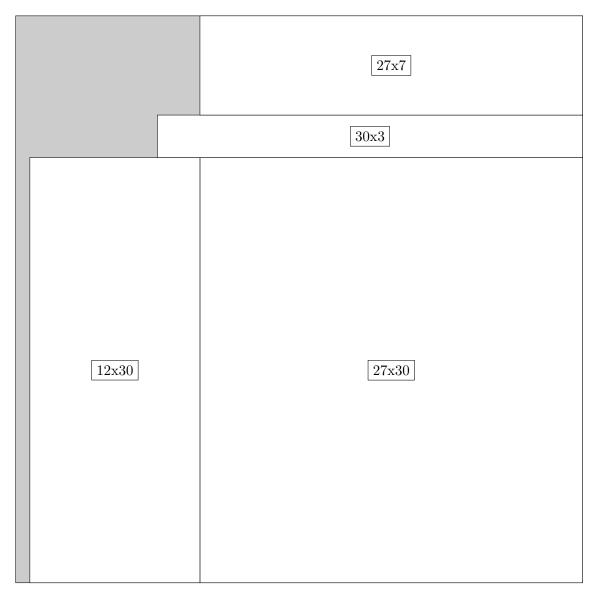
$$\le =19$$
 , h =28 , x =0 , y =0 , v =532

$$\le =25$$
 , h =11 , x =15 , y =29 , v =275

$$\mathbf{w}$$
 =13 , h =11 , x =2 , y =29 , v =143



$$\begin{array}{l} w = 26 \ , \ h = 32 \ , \ x = 14 \ , \ y = 0 \ , \ v = 832 \\ w = 10 \ , \ h = 29 \ , \ x = 4 \ , \ y = 0 \ , \ v = 290 \\ w = 33 \ , \ h = 8 \ , \ x = 7 \ , \ y = 32 \ , \ v = 264 \end{array}$$

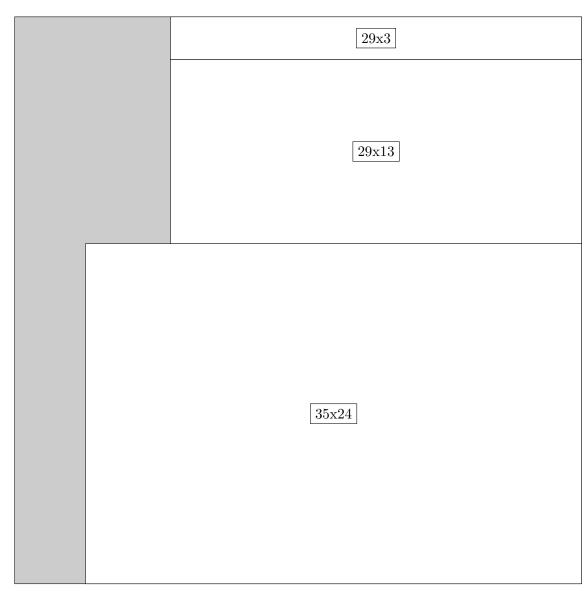


$$\begin{array}{l} w = \! 27 \ , \ h = \! 30 \ , \ x = \! 13 \ , \ y = \! 0 \ , \ v = \! 810 \\ w = \! 12 \ , \ h = \! 30 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 360 \end{array}$$

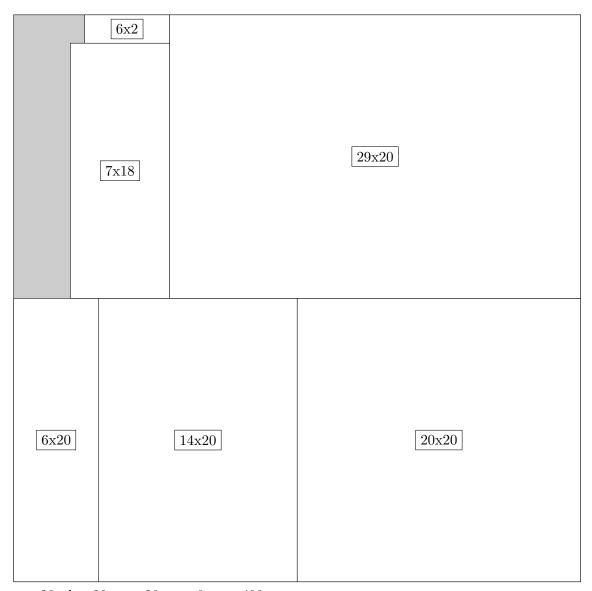
$$\le =30$$
 , h =3 , x =10 , y =30 , v =90

$$w = 30$$
,  $h = 3$ ,  $x = 10$ ,  $y = 30$ ,  $v = 90$ 

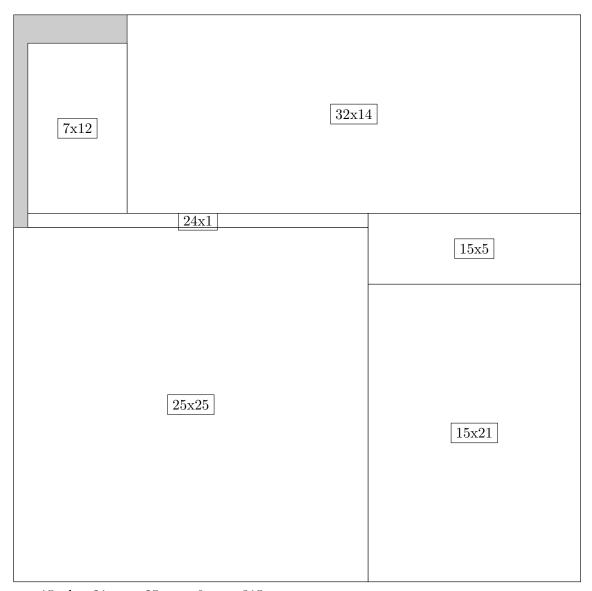
$$\le =27$$
 , h =7 , x =13 , y =33 , v =189



$$\begin{array}{l} w = \! 35 \ , \ h = \! 24 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 840 \\ w = \! 29 \ , \ h = \! 13 \ , \ x = \! 11 \ , \ y = \! 24 \ , \ v = \! 377 \\ w = \! 29 \ , \ h = \! 3 \ , \ x = \! 11 \ , \ y = \! 37 \ , \ v = \! 87 \end{array}$$



$$\begin{array}{l} w=20 \ , \ h=20 \ , \ x=20 \ , \ y=0 \ , \ v=400 \\ w=14 \ , \ h=20 \ , \ x=6 \ , \ y=0 \ , \ v=280 \\ w=6 \ , \ h=20 \ , \ x=0 \ , \ y=0 \ , \ v=120 \\ w=29 \ , \ h=20 \ , \ x=11 \ , \ y=20 \ , \ v=580 \\ w=7 \ , \ h=18 \ , \ x=4 \ , \ y=20 \ , \ v=126 \\ w=6 \ , \ h=2 \ , \ x=5 \ , \ y=38 \ , \ v=12 \end{array}$$



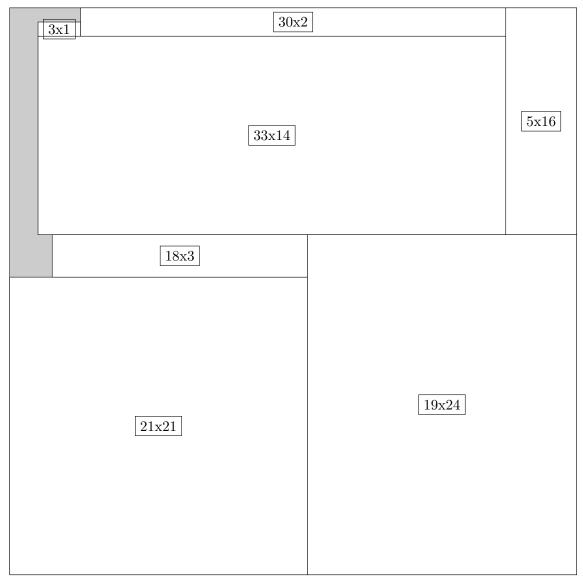
$$\begin{array}{l} w = \! 15 \ , \ h = \! 21 \ , \ x = \! 25 \ , \ y = \! 0 \ , \ v = \! 315 \\ w = \! 15 \ , \ h = \! 5 \ , \ x = \! 25 \ , \ y = \! 21 \ , \ v = \! 75 \end{array}$$

$$\le =25$$
 , h =25 , x =0 , y =0 , v =625

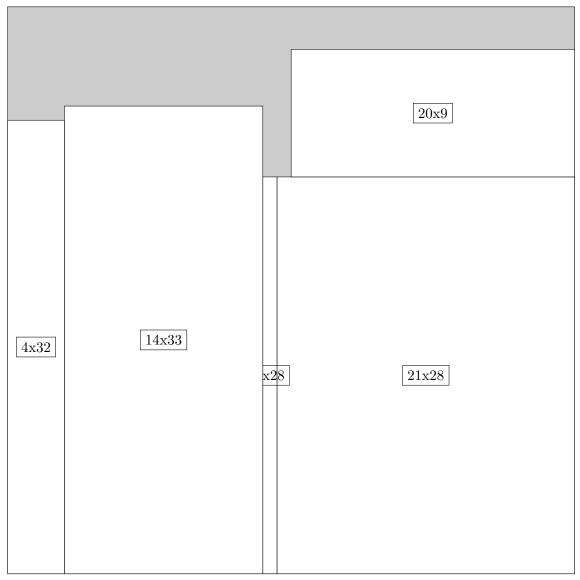
$$\mathbf{w}$$
 =24 , h =1 , x =1 , y =25 , v =24

$$\le =32$$
 , h =14 , x =8 , y =26 , v =448

$$\mathbf{w}$$
 =7 , h =12 , x =1 , y =26 , v =84



$$\begin{array}{l} w=19\;,\; h=24\;,\; x=21\;,\; y=0\;,\; v=456\\ w=21\;,\; h=21\;,\; x=0\;,\; y=0\;,\; v=441\\ w=18\;,\; h=3\;,\; x=3\;,\; y=21\;,\; v=54\\ w=5\;,\; h=16\;,\; x=35\;,\; y=24\;,\; v=80\\ w=33\;,\; h=14\;,\; x=2\;,\; y=24\;,\; v=462\\ w=30\;,\; h=2\;,\; x=5\;,\; y=38\;,\; v=60\\ w=3\;,\; h=1\;,\; x=2\;,\; y=38\;,\; v=3\\ \end{array}$$



 $\begin{array}{l} w = 21 \; , \; h = 28 \; , \; x = 19 \; , \; y = 0 \; , \; v = 588 \\ w = 1 \; , \; h = 28 \; , \; x = 18 \; , \; y = 0 \; , \; v = 28 \\ w = 20 \; , \; h = 9 \; , \; x = 20 \; , \; y = 28 \; , \; v = 180 \\ w = 14 \; , \; h = 33 \; , \; x = 4 \; , \; y = 0 \; , \; v = 462 \\ w = 4 \; , \; h = 32 \; , \; x = 0 \; , \; y = 0 \; , \; v = 128 \end{array}$