$ClassName: \ Class\_03.2bp\text{-}48$ 

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

TypeNum: <u>98</u>
Num: <u>100</u>
OutS: <u>35200</u>
InS: <u>31501</u>
Rate: <u>0.895</u>
UB: <u>22</u>
LB0: <u>22</u>
LB: <u>22</u>

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

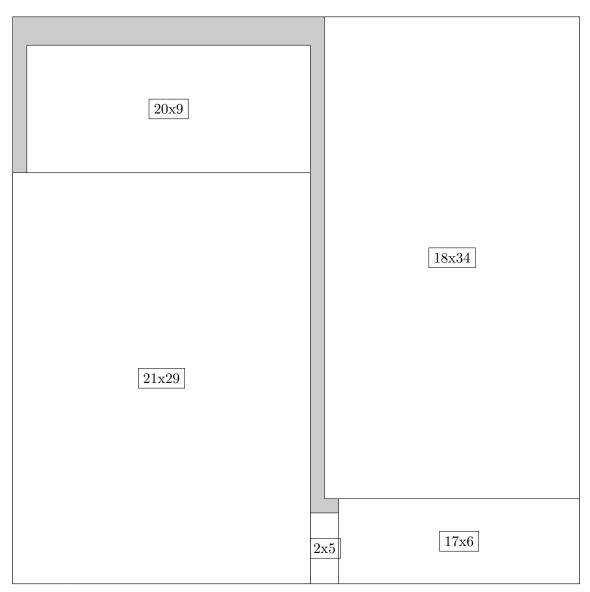
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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

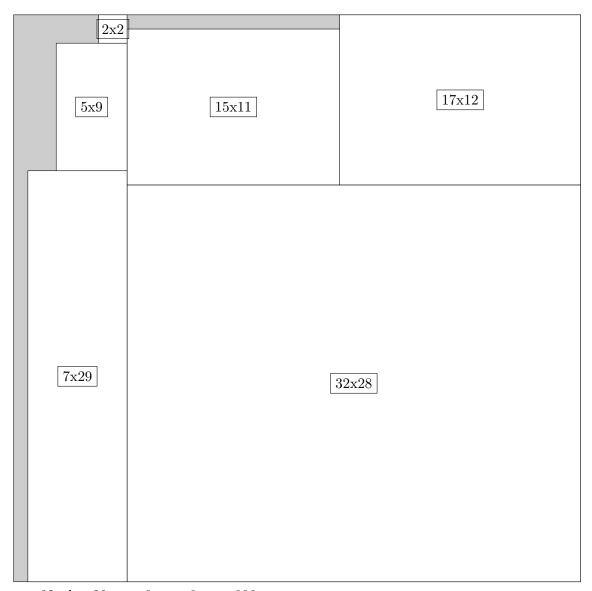
isOpt:  $\underline{\mathbf{true}}$ 

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

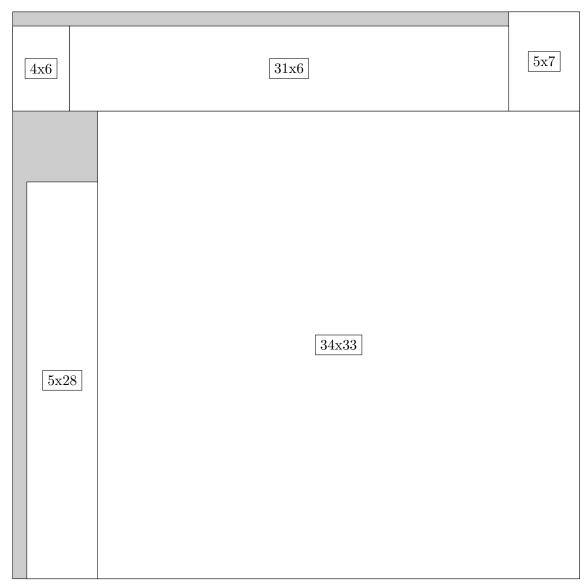
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.082 sTotalTime: 600.369 s



$$\begin{array}{l} w = \!\! 17 \;, \; h = \!\! 6 \;, \; x = \!\! 23 \;, \; y = \!\! 0 \;, \; v = \!\! 102 \\ w = \!\! 2 \;, \; h = \!\! 5 \;, \; x = \!\! 21 \;, \; y = \!\! 0 \;, \; v = \!\! 10 \\ w = \!\! 18 \;, \; h = \!\! 34 \;, \; x = \!\! 22 \;, \; y = \!\! 6 \;, \; v = \!\! 612 \\ w = \!\! 21 \;, \; h = \!\! 29 \;, \; x = \!\! 0 \;, \; y = \!\! 0 \;, \; v = \!\! 609 \\ w = \!\! 20 \;, \; h = \!\! 9 \;, \; x = \!\! 1 \;, \; y = \!\! 29 \;, \; v = \!\! 180 \end{array}$$



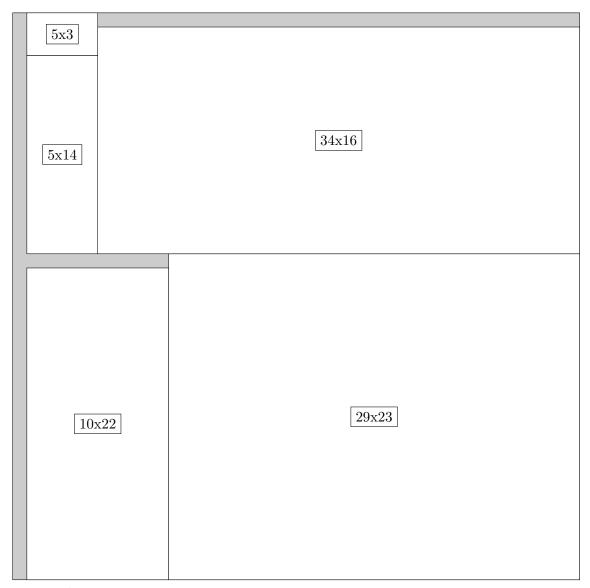
$$\begin{array}{l} w = & 32 \;,\; h = & 28 \;,\; x = & 8 \;,\; y = & 0 \;,\; v = & 896 \\ w = & 17 \;,\; h = & 12 \;,\; x = & 23 \;,\; y = & 28 \;,\; v = & 204 \\ w = & 15 \;,\; h = & 11 \;,\; x = & 8 \;,\; y = & 28 \;,\; v = & 165 \\ w = & 7 \;,\; h = & 29 \;,\; x = & 1 \;,\; y = & 0 \;,\; v = & 203 \\ w = & 5 \;,\; h = & 9 \;,\; x = & 3 \;,\; y = & 29 \;,\; v = & 45 \\ w = & 2 \;,\; h = & 2 \;,\; x = & 6 \;,\; y = & 38 \;,\; v = & 4 \end{array}$$



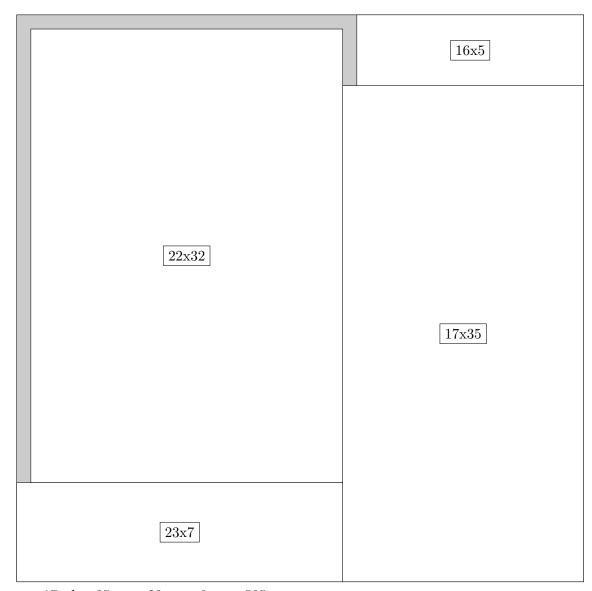
 $\begin{array}{l} w = \!\! 34 \;,\; h = \!\! 33 \;,\; x = \!\! 6 \;,\; y = \!\! 0 \;,\; v = \!\! 1122 \\ w = \!\! 5 \;,\; h = \!\! 28 \;,\; x = \!\! 1 \;,\; y = \!\! 0 \;,\; v = \!\! 140 \\ w = \!\! 5 \;,\; h = \!\! 7 \;,\; x = \!\! 35 \;,\; y = \!\! 33 \;,\; v = \!\! 35 \\ w = \!\! 31 \;,\; h = \!\! 6 \;,\; x = \!\! 4 \;,\; y = \!\! 33 \;,\; v = \!\! 186 \\ w = \!\! 4 \;,\; h = \!\! 6 \;,\; x = \!\! 0 \;,\; y = \!\! 33 \;,\; v = \!\! 24 \end{array}$ 

	26x1
14x9	26x10
8x28	$32 \mathrm{x} 29$

$$\begin{array}{l} w = & 32 \ , \ h = & 29 \ , \ x = & 8 \ , \ y = & 0 \ , \ v = & 928 \\ w = & 8 \ , \ h = & 28 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 224 \\ w = & 26 \ , \ h = & 10 \ , \ x = & 14 \ , \ y = & 29 \ , \ v = & 260 \\ w = & 26 \ , \ h = & 1 \ , \ x = & 14 \ , \ y = & 39 \ , \ v = & 26 \\ w = & 14 \ , \ h = & 9 \ , \ x = & 0 \ , \ y = & 29 \ , \ v = & 126 \end{array}$$



$$\begin{array}{l} w=29 \ , \ h=23 \ , \ x=11 \ , \ y=0 \ , \ v=667 \\ w=10 \ , \ h=22 \ , \ x=1 \ , \ y=0 \ , \ v=220 \\ w=34 \ , \ h=16 \ , \ x=6 \ , \ y=23 \ , \ v=544 \\ w=5 \ , \ h=14 \ , \ x=1 \ , \ y=23 \ , \ v=70 \\ w=5 \ , \ h=3 \ , \ x=1 \ , \ y=37 \ , \ v=15 \end{array}$$

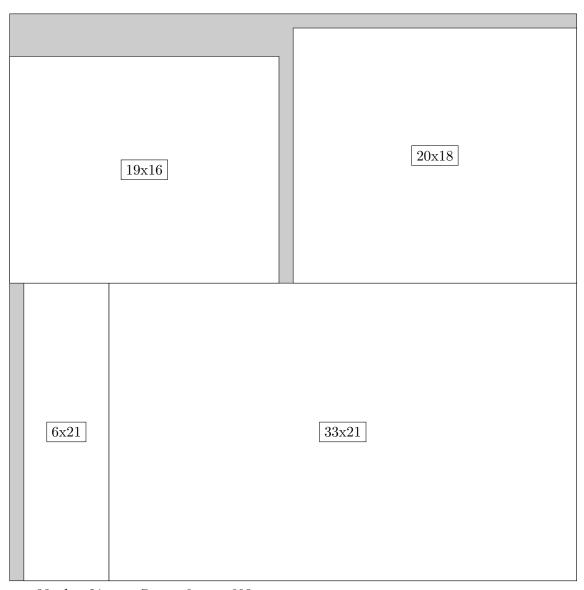


$$\le =17$$
 , h =35 , x =23 , y =0 , v =595

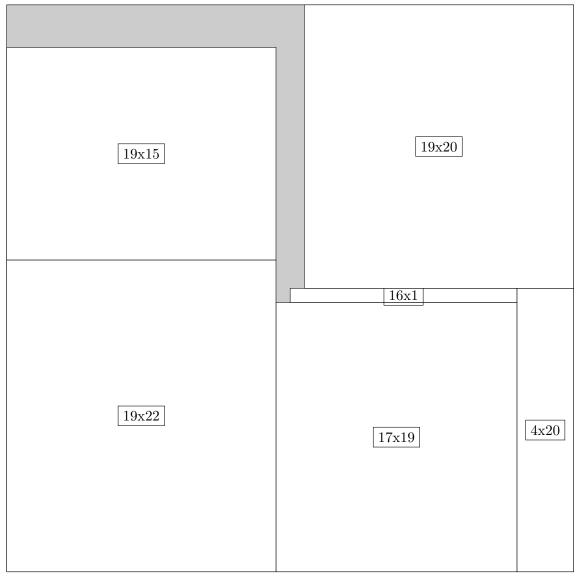
$$\le =16$$
 ,  $h=5$  ,  $x=24$  ,  $y=35$  ,  $v=80$ 

$$\le =23$$
 , h =7 , x =0 , y =0 , v =  
161

$$\mathbf{w}$$
 =22 , h =32 , x =1 , y =7 , v =704



$$\begin{array}{l} w = & 33 \ , \ h = & 21 \ , \ x = & 7 \ , \ y = & 0 \ , \ v = & 693 \\ w = & 6 \ , \ h = & 21 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 126 \\ w = & 20 \ , \ h = & 18 \ , \ x = & 20 \ , \ y = & 21 \ , \ v = & 360 \\ w = & 19 \ , \ h = & 16 \ , \ x = & 0 \ , \ y = & 21 \ , \ v = & 304 \end{array}$$



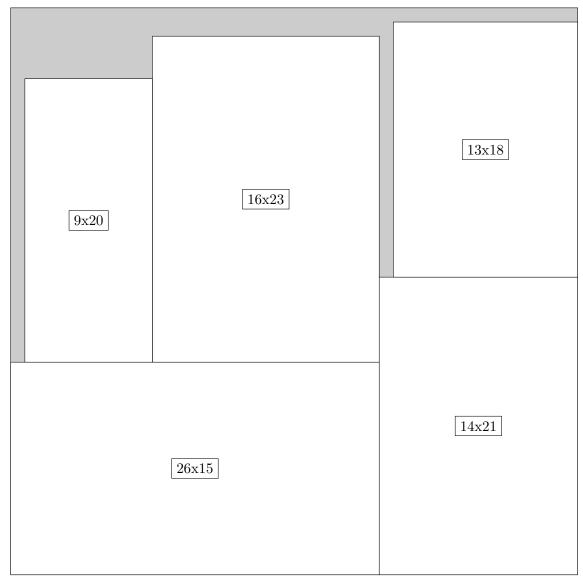
$$\mathbf{w}$$
 =4 , h =20 , x =36 , y =0 , v =80

$$\le =17$$
 ,  $h$  =19 ,  $x$  =19 ,  $y$  =0 ,  $v$  =323

$$\mathbf{w}$$
 =16 , h =1 , x =20 , y =19 , v =16

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

$$\le =19$$
 ,  $h=15$  ,  $x=0$  ,  $y=22$  ,  $v=285$ 



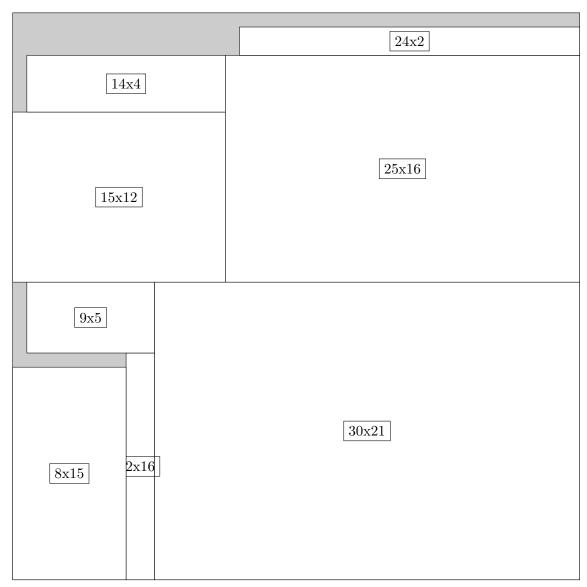
$$w = 14$$
,  $h = 21$ ,  $x = 26$ ,  $y = 0$ ,  $v = 294$ 

$$\le =13$$
 ,  $h$  =18 ,  $x$  =27 ,  $y$  =21 ,  $v$  =234

$$\le =26$$
 ,  $h=15$  ,  $x=0$  ,  $y=0$  ,  $v=390$ 

$$\le =16$$
 , h =23 , x =10 , y =15 , v =368

$$w=9$$
 ,  $h=\!20$  ,  $x=\!1$  ,  $y=\!15$  ,  $v=\!180$ 



$$w = 30$$
,  $h = 21$ ,  $x = 10$ ,  $y = 0$ ,  $v = 630$ 

$$w = 2$$
,  $h = 16$ ,  $x = 8$ ,  $y = 0$ ,  $v = 32$ 

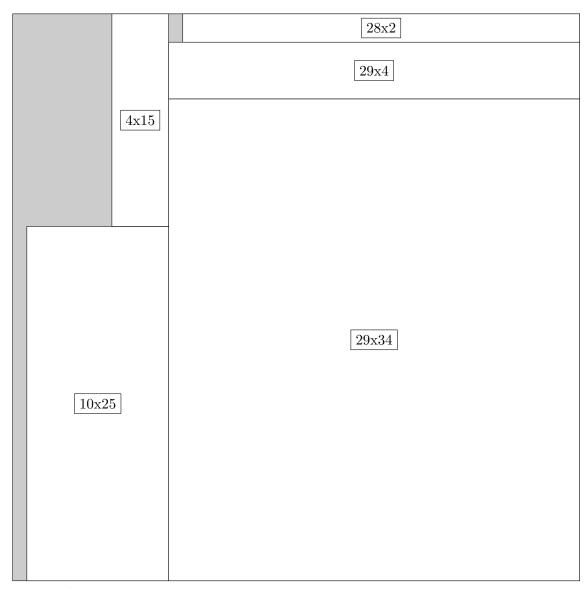
$$\le =8$$
 ,  $h$  =15 ,  $x$  =0 ,  $y$  =0 ,  $v$  =120

$$\le =25$$
 , h =16 , x =15 , y =21 , v =400

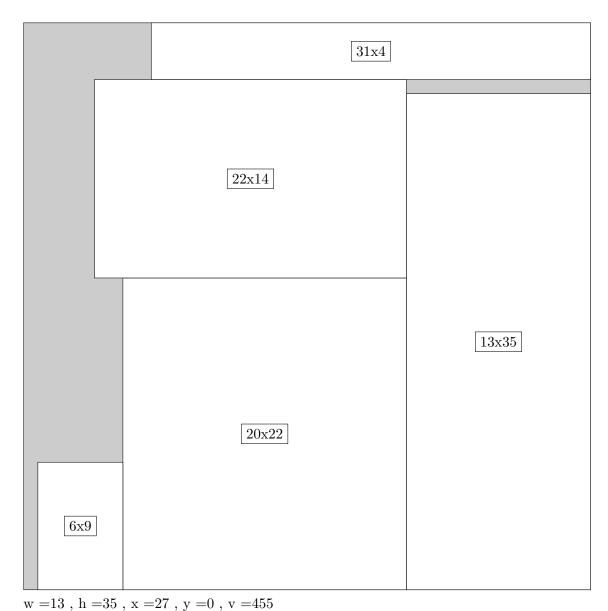
$$\le =24$$
 , h =2 , x =16 , y =37 , v =48

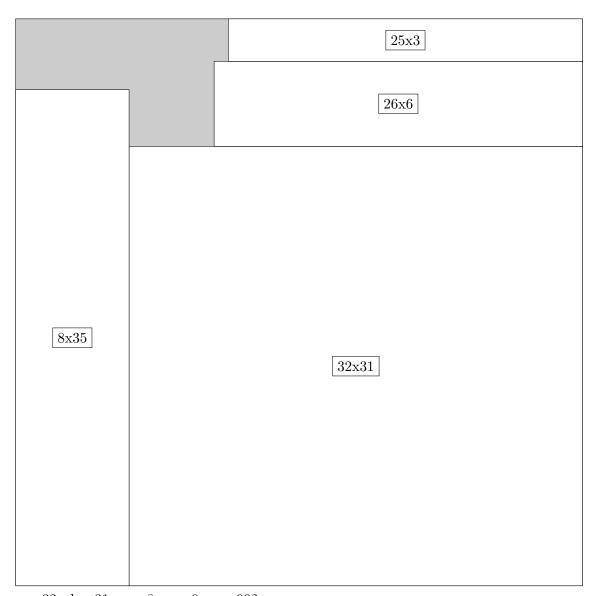
$$\le =15$$
 ,  $h$  =12 ,  $x$  =0 ,  $y$  =21 ,  $v$  =180

$$w$$
 =14 , h =4 , x =1 , y =33 , v =  
56

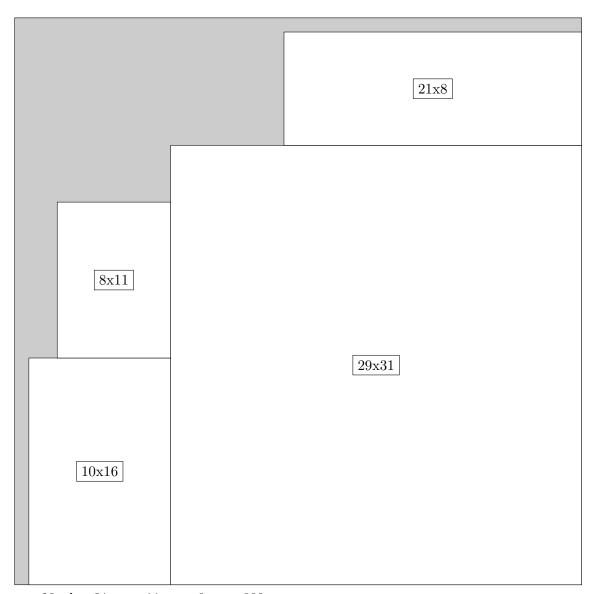


$$\begin{array}{l} w=29 \ , \ h=34 \ , \ x=11 \ , \ y=0 \ , \ v=986 \\ w=29 \ , \ h=4 \ , \ x=11 \ , \ y=34 \ , \ v=116 \\ w=28 \ , \ h=2 \ , \ x=12 \ , \ y=38 \ , \ v=56 \\ w=10 \ , \ h=25 \ , \ x=1 \ , \ y=0 \ , \ v=250 \\ w=4 \ , \ h=15 \ , \ x=7 \ , \ y=25 \ , \ v=60 \end{array}$$

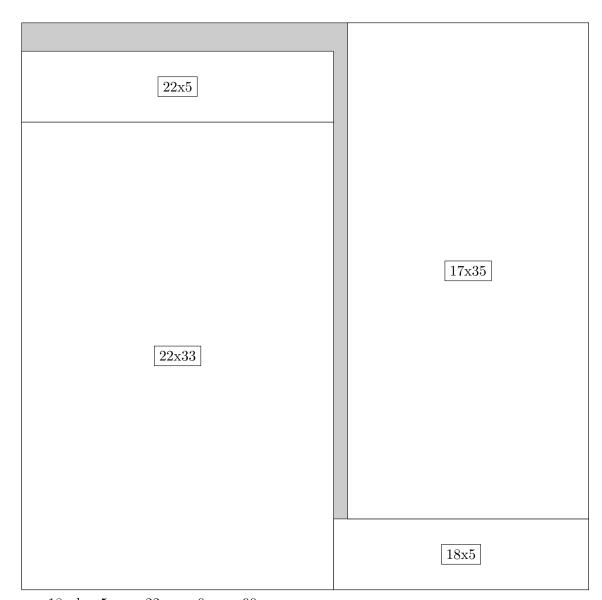




 $\begin{array}{l} w = & 32 \ , \ h = & 31 \ , \ x = & 8 \ , \ y = & 0 \ , \ v = & 992 \\ w = & 26 \ , \ h = & 6 \ , \ x = & 14 \ , \ y = & 31 \ , \ v = & 156 \\ w = & 25 \ , \ h = & 3 \ , \ x = & 15 \ , \ y = & 37 \ , \ v = & 75 \\ w = & 8 \ , \ h = & 35 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 280 \end{array}$ 

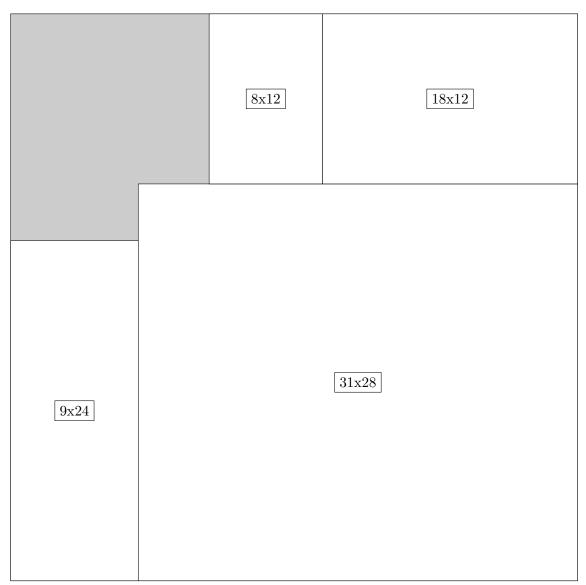


 $\begin{array}{l} w = 29 \ , \ h = 31 \ , \ x = 11 \ , \ y = 0 \ , \ v = 899 \\ w = 10 \ , \ h = 16 \ , \ x = 1 \ , \ y = 0 \ , \ v = 160 \\ w = 8 \ , \ h = 11 \ , \ x = 3 \ , \ y = 16 \ , \ v = 88 \\ w = 21 \ , \ h = 8 \ , \ x = 19 \ , \ y = 31 \ , \ v = 168 \end{array}$ 

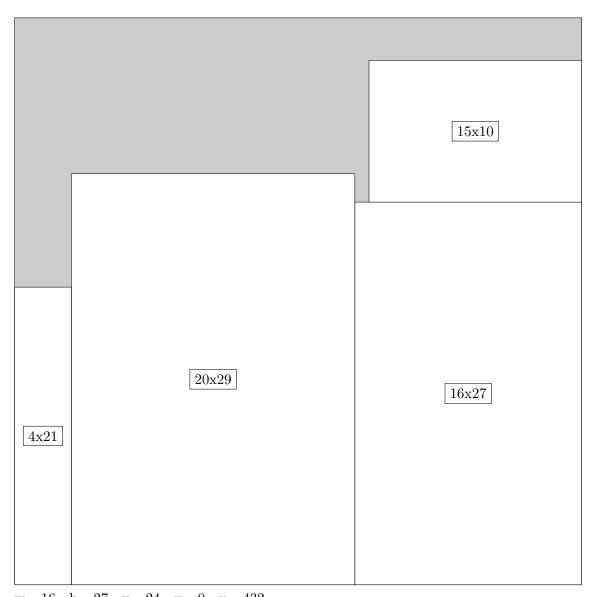


$$\begin{array}{l} w = 18 \ , \ h = \! 5 \ , \ x = \! 22 \ , \ y = \! 0 \ , \ v = \! 90 \\ w = \! 17 \ , \ h = \! 35 \ , \ x = \! 23 \ , \ y = \! 5 \ , \ v = \! 595 \\ w = \! 22 \ , \ h = \! 33 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 726 \end{array}$$

$$w = 22$$
,  $h = 5$ ,  $x = 0$ ,  $y = 33$ ,  $v = 110$ 



 $\begin{array}{l} w = & 31 \ , \ h = & 28 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 868 \\ w = & 18 \ , \ h = & 12 \ , \ x = & 22 \ , \ y = & 28 \ , \ v = & 216 \\ w = & 8 \ , \ h = & 12 \ , \ x = & 14 \ , \ y = & 28 \ , \ v = & 96 \\ w = & 9 \ , \ h = & 24 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 216 \end{array}$ 

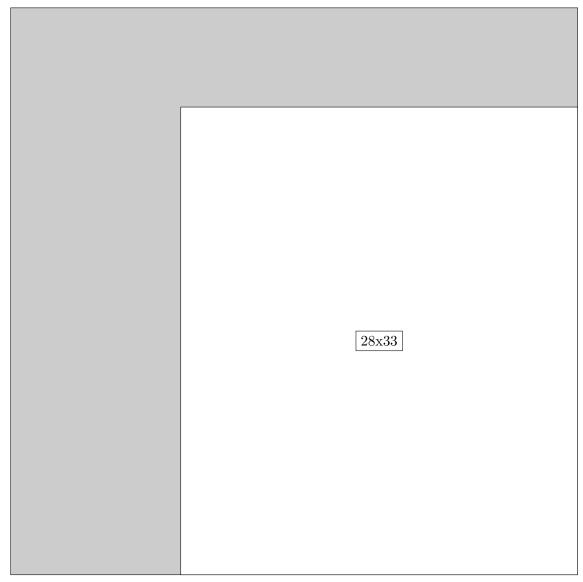


 $\begin{array}{l} w = 16 \ , \ h = \!\! 27 \ , \ x = \!\! 24 \ , \ y = \!\! 0 \ , \ v = \!\! 432 \\ w = \!\! 15 \ , \ h = \!\! 10 \ , \ x = \!\! 25 \ , \ y = \!\! 27 \ , \ v = \!\! 150 \\ w = \!\! 20 \ , \ h = \!\! 29 \ , \ x = \!\! 4 \ , \ y = \!\! 0 \ , \ v = \!\! 580 \end{array}$ 

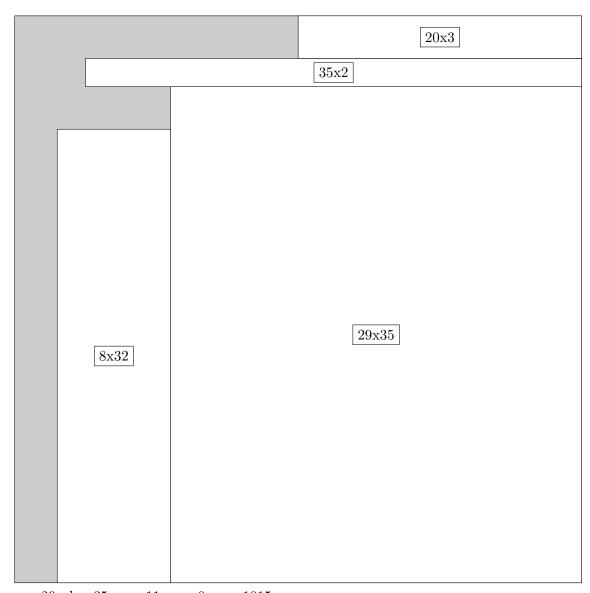
w = 4, h = 21, x = 0, y = 0, v = 84



$$\begin{array}{c} w = \! 35 \; , \; h = \! 25 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 875 \\ w = \! 35 \; , \; h = \! 15 \; , \; x = \! 5 \; , \; y = \! 25 \; , \; v = \! 525 \\ \end{array}$$



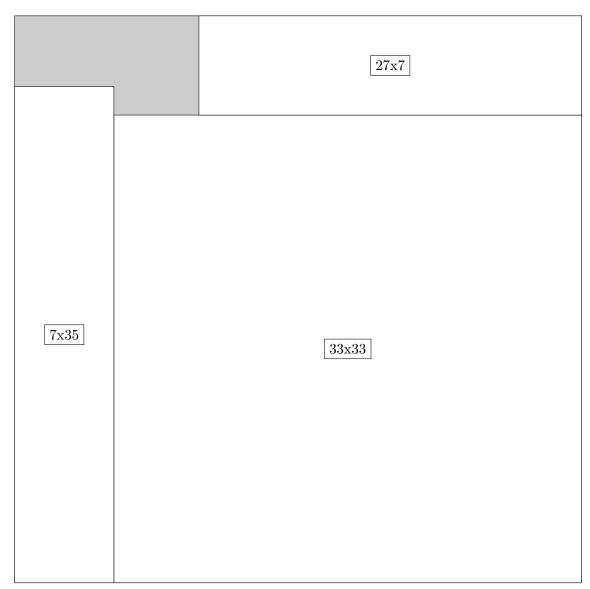
 $\le =28$  , h =33 , x =12 , y =0 , v =924



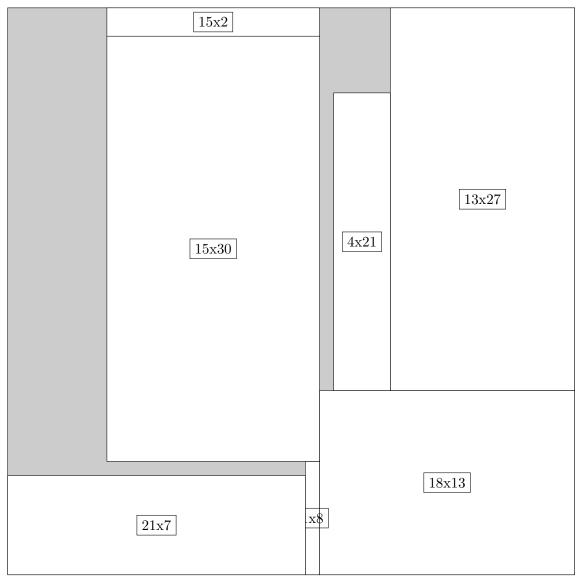
$$\begin{array}{c} w = 29 \; , \; h = 35 \; , \; x = 11 \; , \; y = 0 \; , \; v = 1015 \\ w = 8 \; , \; h = 32 \; , \; x = 3 \; , \; y = 0 \; , \; v = 256 \\ \end{array}$$

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

$$\mathbf{w}$$
 =20 , h =3 , x =20 , y =37 , v =60



 $\begin{array}{l} w = \! 33 \; , \; h = \! 33 \; , \; x = \! 7 \; , \; y = \! 0 \; , \; v = \! 1089 \\ w = \! 27 \; , \; h = \! 7 \; , \; x = \! 13 \; , \; y = \! 33 \; , \; v = \! 189 \\ w = \! 7 \; , \; h = \! 35 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 245 \end{array}$ 



 $\begin{array}{l} w=18\;,\; h=13\;,\; x=22\;,\; y=0\;,\; v=234\\ w=13\;,\; h=27\;,\; x=27\;,\; y=13\;,\; v=351\\ w=4\;,\; h=21\;,\; x=23\;,\; y=13\;,\; v=84\\ w=1\;,\; h=8\;,\; x=21\;,\; y=0\;,\; v=8\\ w=21\;,\; h=7\;,\; x=0\;,\; y=0\;,\; v=147\\ w=15\;,\; h=30\;,\; x=7\;,\; y=8\;,\; v=450\\ w=15\;,\; h=2\;,\; x=7\;,\; y=38\;,\; v=30 \end{array}$