$ClassName: \ Class\_03.2bp-47$ 

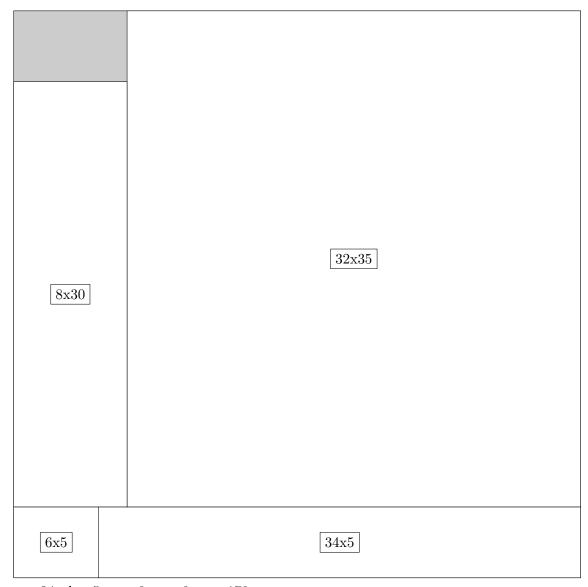
 $\begin{array}{ccc} \text{BinSize: } \underline{40} & \overline{\times} & \underline{40} \\ \text{ReduceSize: } \underline{40} & \times & \underline{40} \end{array}$ 

TypeNum: <u>97</u> Num: <u>100</u> OutS: <u>36800</u> InS: <u>33424</u> Rate: <u>0.908</u> UB: <u>23</u> LB: <u>23</u>

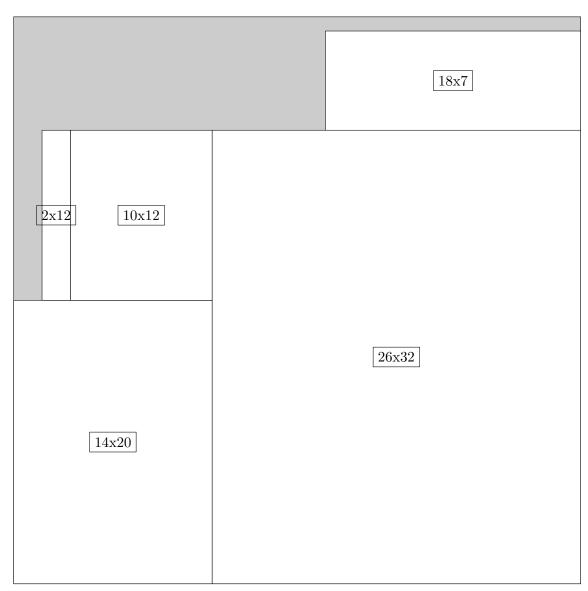
LBWithCut:  $\underline{\mathbf{23}}$ NodeCount:  $\underline{\mathbf{0}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{23}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

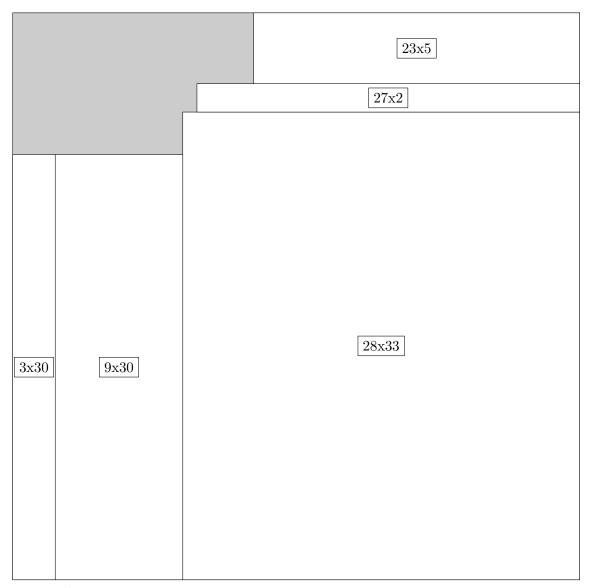
TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{0.000 \text{ s}}$ TimeOnRmp:  $\underline{0.079 \text{ s}}$ TotalTime:  $\underline{0.297 \text{ s}}$ 



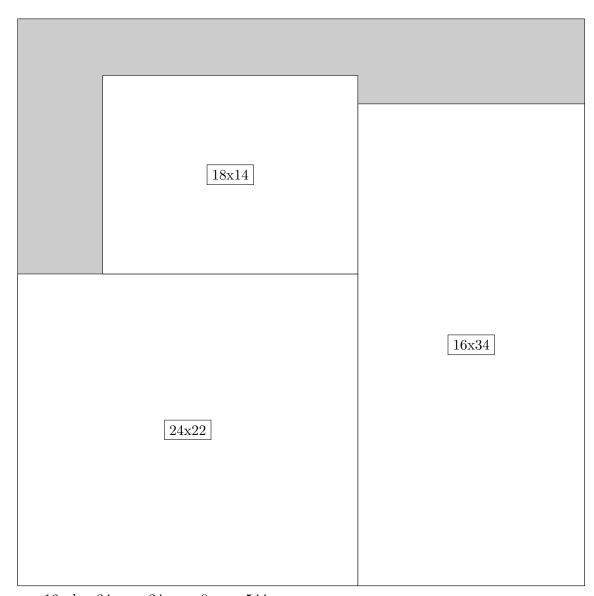
 $\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 5 \ , \ x = \!\! 6 \ , \ y = \!\! 0 \ , \ v = \!\! 170 \\ w = \!\! 6 \ , \ h = \!\! 5 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 30 \\ w = \!\! 32 \ , \ h = \!\! 35 \ , \ x = \!\! 8 \ , \ y = \!\! 5 \ , \ v = \!\! 1120 \\ w = \!\! 8 \ , \ h = \!\! 30 \ , \ x = \!\! 0 \ , \ y = \!\! 5 \ , \ v = \!\! 240 \end{array}$ 



$$\begin{array}{l} w=26 \ , \ h=32 \ , \ x=14 \ , \ y=0 \ , \ v=832 \\ w=14 \ , \ h=20 \ , \ x=0 \ , \ y=0 \ , \ v=280 \\ w=10 \ , \ h=12 \ , \ x=4 \ , \ y=20 \ , \ v=120 \\ w=2 \ , \ h=12 \ , \ x=2 \ , \ y=20 \ , \ v=24 \\ w=18 \ , \ h=7 \ , \ x=22 \ , \ y=32 \ , \ v=126 \end{array}$$

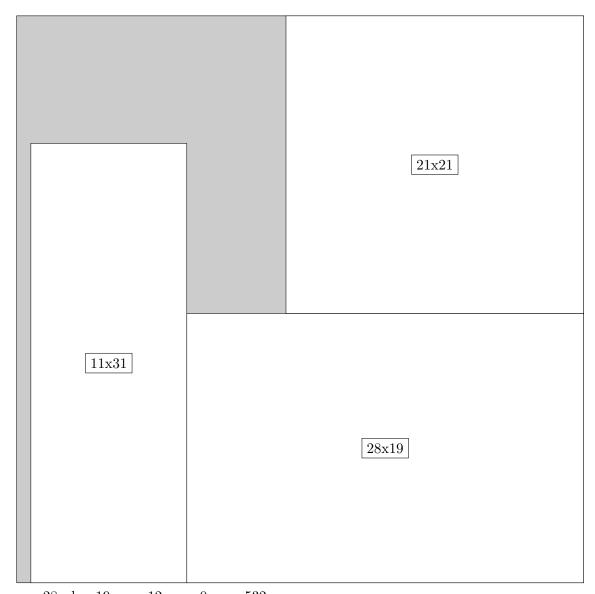


$$\begin{array}{l} w=28 \ , \ h=33 \ , \ x=12 \ , \ y=0 \ , \ v=924 \\ w=27 \ , \ h=2 \ , \ x=13 \ , \ y=33 \ , \ v=54 \\ w=23 \ , \ h=5 \ , \ x=17 \ , \ y=35 \ , \ v=115 \\ w=9 \ , \ h=30 \ , \ x=3 \ , \ y=0 \ , \ v=270 \\ w=3 \ , \ h=30 \ , \ x=0 \ , \ y=0 \ , \ v=90 \end{array}$$



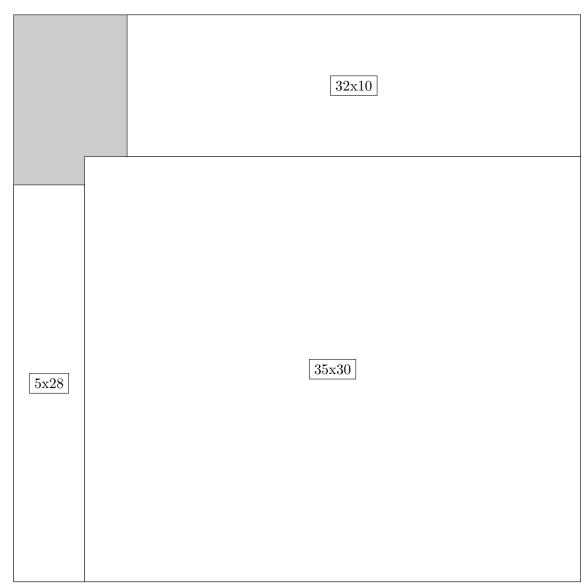
$$\begin{array}{l} w = \! 16 \ , \, h = \! 34 \ , \, x = \! 24 \ , \, y = \! 0 \ , \, v = \! 544 \\ w = \! 24 \ , \, h = \! 22 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 528 \end{array}$$

$$w = 18$$
,  $h = 14$ ,  $x = 6$ ,  $y = 22$ ,  $v = 252$ 

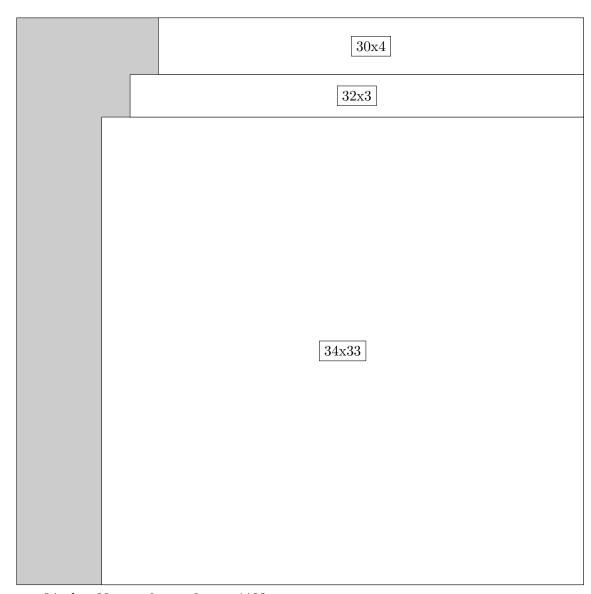


$$\begin{array}{l} w = \! 28 \ , \ h = \! 19 \ , \ x = \! 12 \ , \ y = \! 0 \ , \ v = \! 532 \\ w = \! 21 \ , \ h = \! 21 \ , \ x = \! 19 \ , \ y = \! 19 \ , \ v = \! 441 \end{array}$$

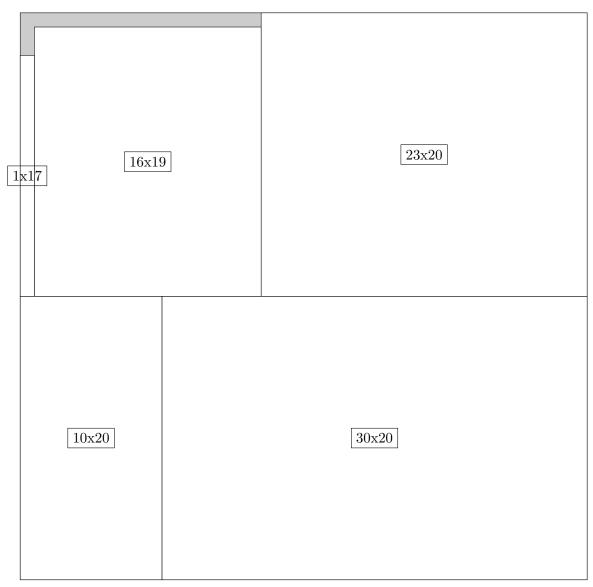
$$\mathbf{w}$$
 =11 , h =31 , x =1 , y =0 , v =341



 $\begin{array}{l} w = \! 35 \; , \; h = \! 30 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 1050 \\ w = \! 5 \; , \; h = \! 28 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 140 \\ w = \! 32 \; , \; h = \! 10 \; , \; x = \! 8 \; , \; y = \! 30 \; , \; v = \! 320 \end{array}$ 



$$\begin{array}{l} w = \! 34 \; , \; h = \! 33 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 1122 \\ w = \! 32 \; , \; h = \! 3 \; , \; x = \! 8 \; , \; y = \! 33 \; , \; v = \! 96 \\ w = \! 30 \; , \; h = \! 4 \; , \; x = \! 10 \; , \; y = \! 36 \; , \; v = \! 120 \end{array}$$

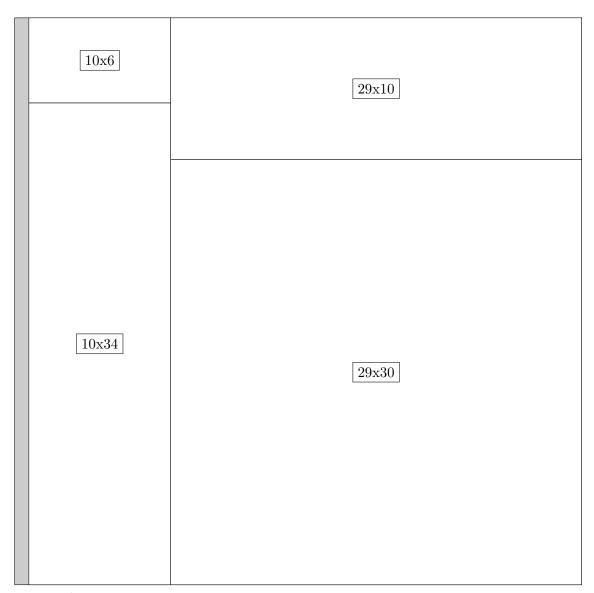


$$\le 30$$
 ,  $h$  =20 ,  $x$  =10 ,  $y$  =0 ,  $v$  =600

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

$$\mathbf{w}$$
 =16 , h =19 , x =1 , y =20 , v =304

$$\mathbf{w}$$
 =1 , h =17 , x =0 , y =20 , v =17

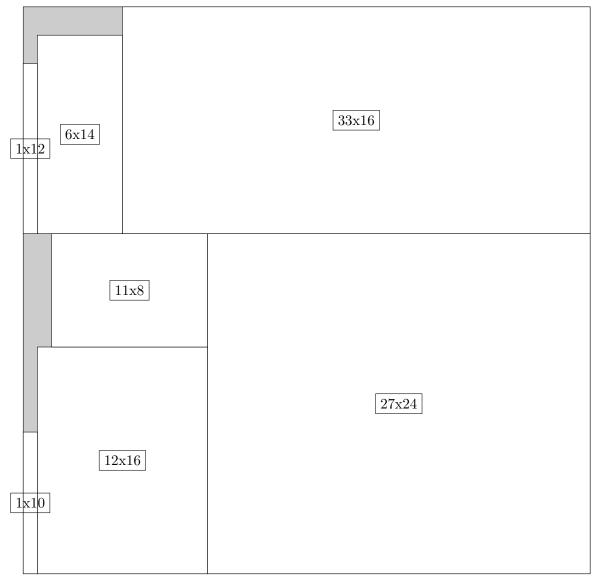


$$\le =29$$
 , h =30 , x =11 , y =0 , v =870

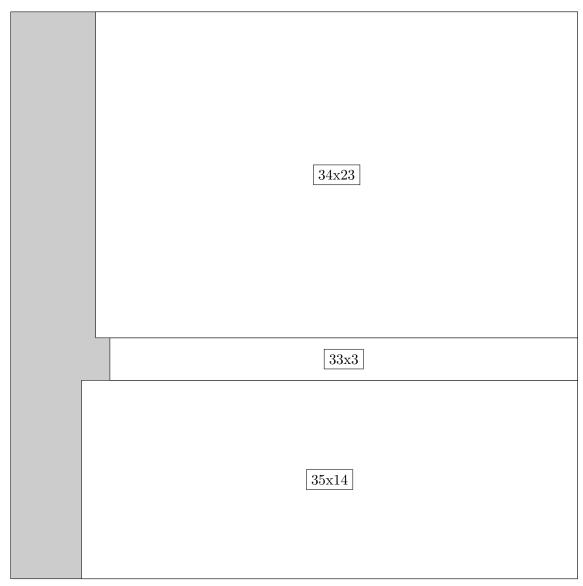
$$\le =29$$
 ,  $h$  =10 ,  $x$  =11 ,  $y$  =30 ,  $v$  =290

$$\le =10$$
 , h =34 , x =1 , y =0 , v =340

$$\le =10$$
 ,  $h=6$  ,  $x=1$  ,  $y=34$  ,  $v=60$ 



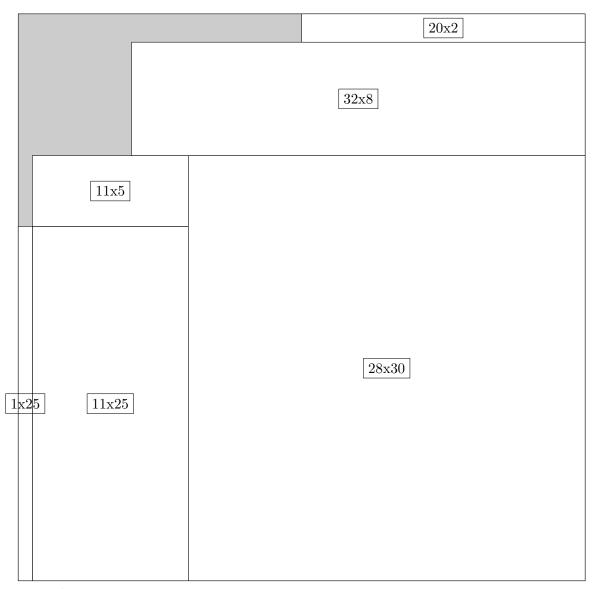
 $\begin{array}{l} w=27 \;,\; h=24 \;,\; x=13 \;,\; y=0 \;,\; v=648 \\ w=12 \;,\; h=16 \;,\; x=1 \;,\; y=0 \;,\; v=192 \\ w=1 \;,\; h=10 \;,\; x=0 \;,\; y=0 \;,\; v=10 \\ w=11 \;,\; h=8 \;,\; x=2 \;,\; y=16 \;,\; v=88 \\ w=33 \;,\; h=16 \;,\; x=7 \;,\; y=24 \;,\; v=528 \\ w=6 \;,\; h=14 \;,\; x=1 \;,\; y=24 \;,\; v=84 \\ w=1 \;,\; h=12 \;,\; x=0 \;,\; y=24 \;,\; v=12 \end{array}$ 



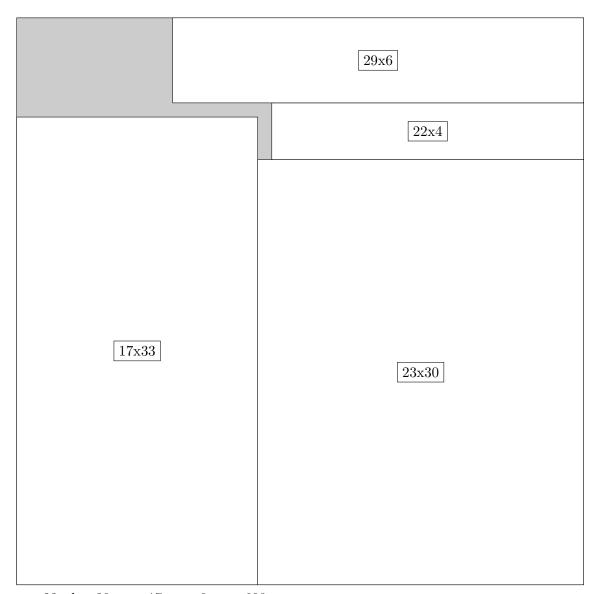
$$w = 35$$
,  $h = 14$ ,  $x = 5$ ,  $y = 0$ ,  $v = 490$ 

$$\le =33$$
 , h =3 , x =7 , y =14 , v =99

$$\le =34$$
 , h =23 , x =6 , y =17 , v =782



 $\begin{array}{l} w = 28 \ , \, h = 30 \ , \, x = 12 \ , \, y = 0 \ , \, v = 840 \\ w = 11 \ , \, h = 25 \ , \, x = 1 \ , \, y = 0 \ , \, v = 275 \\ w = 11 \ , \, h = 5 \ , \, x = 1 \ , \, y = 25 \ , \, v = 55 \\ w = 1 \ , \, h = 25 \ , \, x = 0 \ , \, y = 0 \ , \, v = 25 \\ w = 32 \ , \, h = 8 \ , \, x = 8 \ , \, y = 30 \ , \, v = 256 \\ w = 20 \ , \, h = 2 \ , \, x = 20 \ , \, y = 38 \ , \, v = 40 \end{array}$ 

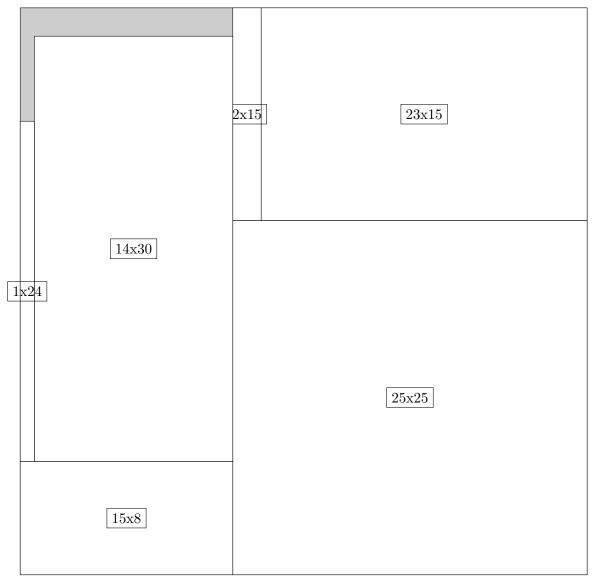


 $\le =23$  , h =30 , x =17 , y =0 , v =690

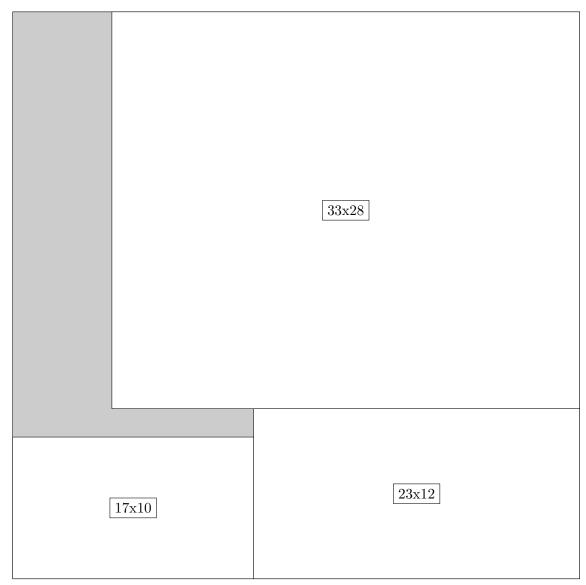
 $\le =22$  , h =4 , x =18 , y =30 , v =88

 $\le =17$  , h =33 , x =0 , y =0 , v =561

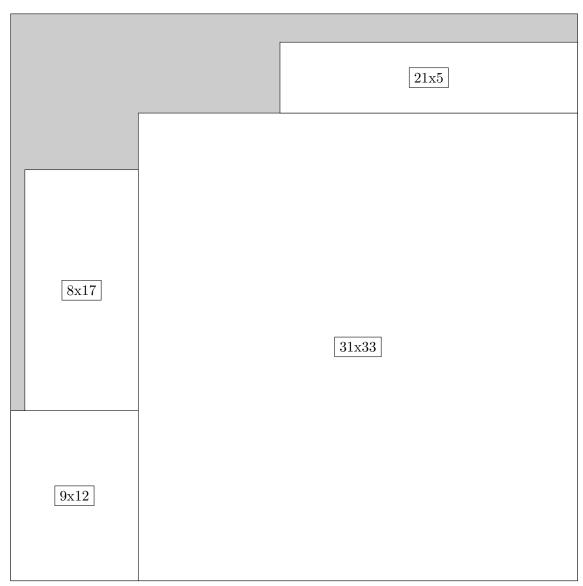
w =29 , h =6 , x =11 , y =34 , v =174



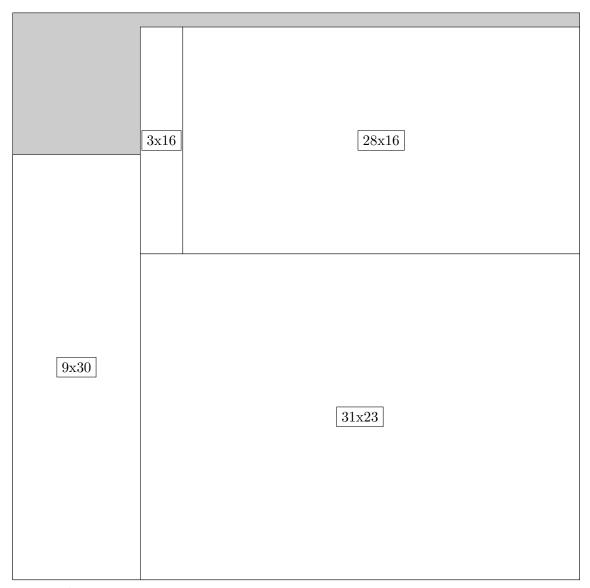
$$\begin{array}{l} w=25 \ , \ h=25 \ , \ x=15 \ , \ y=0 \ , \ v=625 \\ w=23 \ , \ h=15 \ , \ x=17 \ , \ y=25 \ , \ v=345 \\ w=2 \ , \ h=15 \ , \ x=15 \ , \ y=25 \ , \ v=30 \\ w=15 \ , \ h=8 \ , \ x=0 \ , \ y=0 \ , \ v=120 \\ w=14 \ , \ h=30 \ , \ x=1 \ , \ y=8 \ , \ v=420 \\ w=1 \ , \ h=24 \ , \ x=0 \ , \ y=8 \ , \ v=24 \end{array}$$

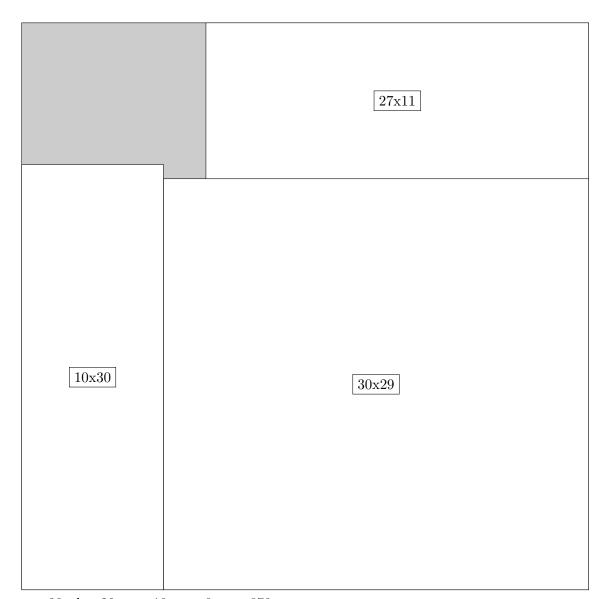


$$\begin{array}{l} w = 23 \ , \ h = 12 \ , \ x = 17 \ , \ y = 0 \ , \ v = 276 \\ w = 17 \ , \ h = 10 \ , \ x = 0 \ , \ y = 0 \ , \ v = 170 \\ w = 33 \ , \ h = 28 \ , \ x = 7 \ , \ y = 12 \ , \ v = 924 \end{array}$$



 $\begin{array}{l} w = & 31 \ , \ h = & 33 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 1023 \\ w = & 21 \ , \ h = & 5 \ , \ x = & 19 \ , \ y = & 33 \ , \ v = & 105 \\ w = & 9 \ , \ h = & 12 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 108 \\ w = & 8 \ , \ h = & 17 \ , \ x = & 1 \ , \ y = & 12 \ , \ v = & 136 \end{array}$ 





$$\begin{array}{l} w = & 30 \ , \ h = & 29 \ , \ x = & 10 \ , \ y = & 0 \ , \ v = & 870 \\ w = & 27 \ , \ h = & 11 \ , \ x = & 13 \ , \ y = & 29 \ , \ v = & 297 \end{array}$$

 $\le =10$  , h =30 , x =0 , y =0 , v =300

	20x1
[14x8]	
	21x18
19x32	21x21

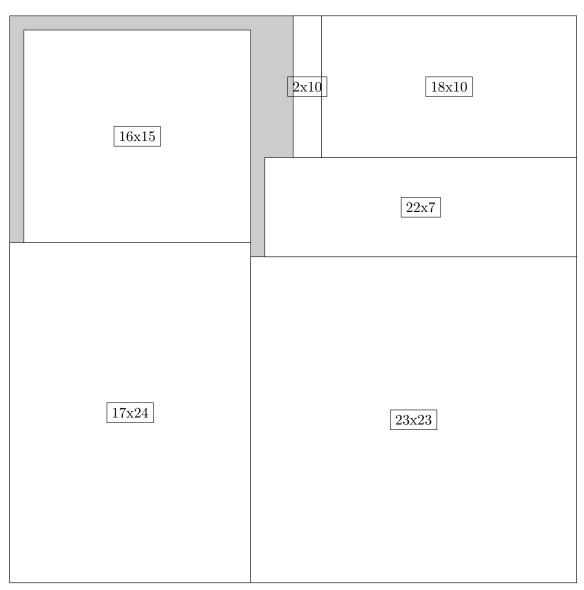
$$\mathbf{w}$$
 =21 , h =21 , x =19 , y =0 , v =441

$$w$$
 =21 ,  $h$  =18 ,  $x$  =19 ,  $y$  =21 ,  $v$  =378

$$\le =20$$
 , h =1 , x =20 , y =39 , v =20

$$\le =19$$
 , h =32 , x =0 , y =0 , v =608

$$w=\!14$$
 ,  $h=\!8$  ,  $x=\!5$  ,  $y=\!32$  ,  $v=\!112$ 



$$w = 23$$
,  $h = 23$ ,  $x = 17$ ,  $y = 0$ ,  $v = 529$ 

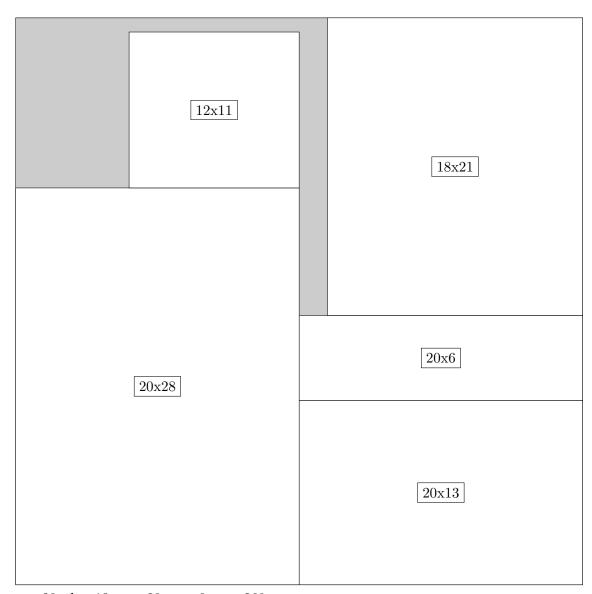
$$\le =22$$
 , h =7 , x =18 , y =23 , v =154

$$\le =18$$
 , h =10 , x =22 , y =30 , v =180

$$\mathbf{w}$$
 =2 , h =10 , x =20 , y =30 , v =20

$$\le =17$$
 , h =24 , x =0 , y =0 , v =408

$$\le =16$$
 ,  $h=15$  ,  $x=1$  ,  $y=24$  ,  $v=240$ 



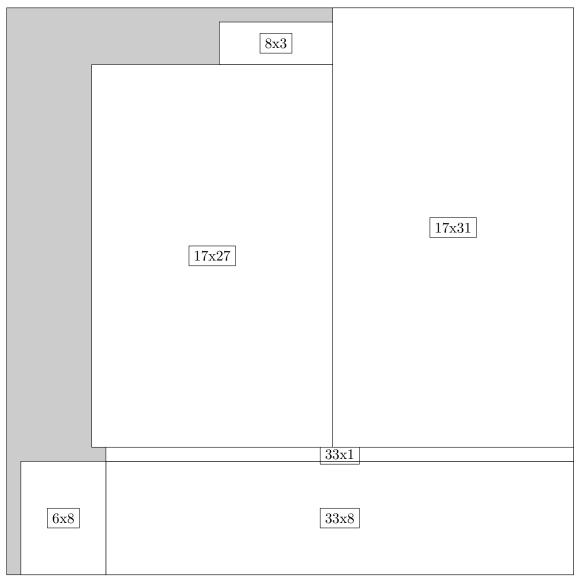
$$\le =20$$
 , h =13 , x =20 , y =0 , v =260

$$\le =20$$
 , h =6 , x =20 , y =13 , v =120

$$\le =18$$
 , h =21 , x =22 , y =19 , v =378

$$\le =20$$
 ,  $h=28$  ,  $x=0$  ,  $y=0$  ,  $v=\!560$ 

$$\le =12$$
 ,  $h=11$  ,  $x=8$  ,  $y=28$  ,  $v=132$ 



$$\mathbf{w}$$
 =33 , h =8 , x =7 , y =0 , v =264

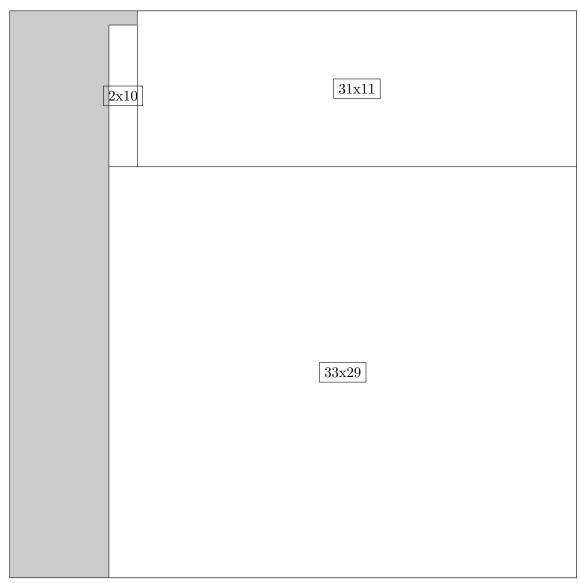
$$\le =33$$
 , h =1 , x =7 , y =8 , v =33

$$\mathbf{w}$$
 =6 , h =8 , x =1 , y =0 , v =48

$$\le =17$$
 , h =31 , x =23 , y =9 , v =527

$$\le =17$$
 , h =27 , x =6 , y =9 , v =459

$$w$$
 =8 , h =3 , x =15 , y =36 , v =24



 $\begin{array}{l} w = \! 33 \ , \ h = \! 29 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 957 \\ w = \! 31 \ , \ h = \! 11 \ , \ x = \! 9 \ , \ y = \! 29 \ , \ v = \! 341 \\ w = \! 2 \ , \ h = \! 10 \ , \ x = \! 7 \ , \ y = \! 29 \ , \ v = \! 20 \end{array}$