$ClassName: \ Class_03.2bp-47$

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

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>
LB0: <u>23</u>
LB: <u>23</u>

LBWithCut: $\underline{\mathbf{23}}$ NodeCut: $\underline{\mathbf{0}}$

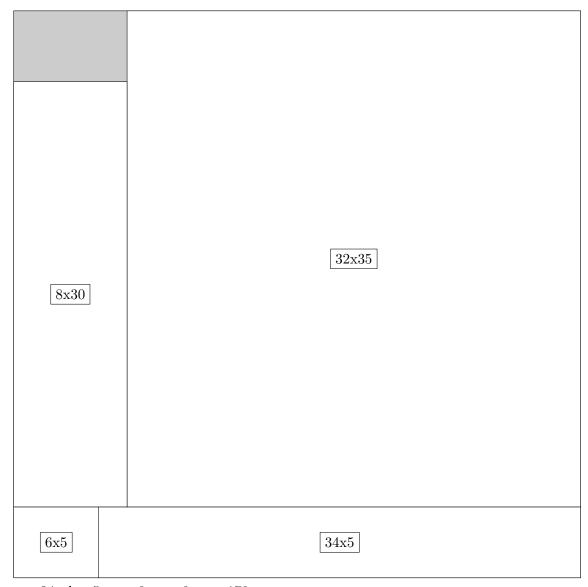
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

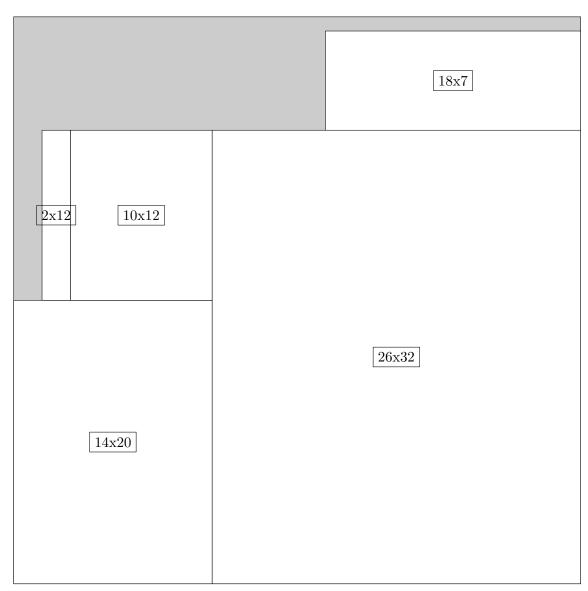
isOpt: $\underline{\mathbf{true}}$

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

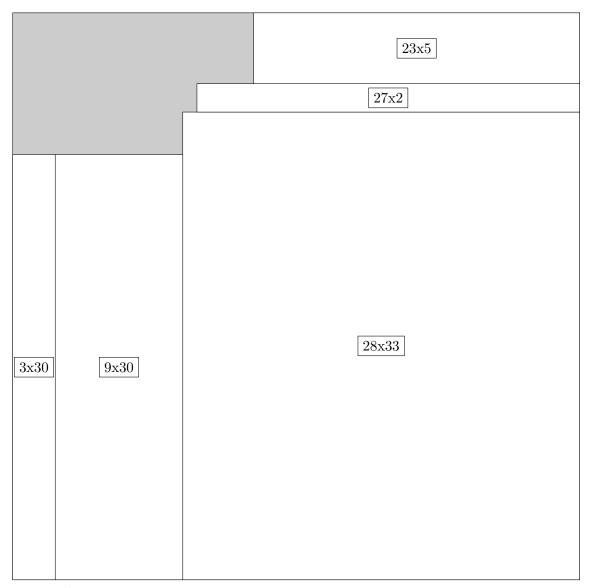
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.328 s



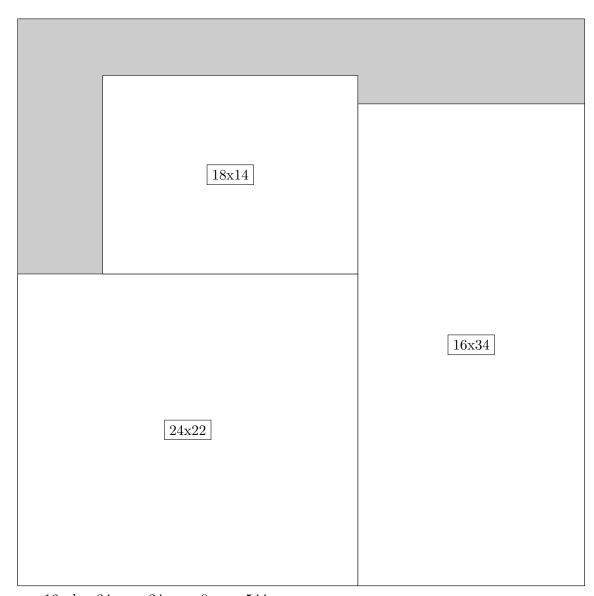
 $\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 5 \ , \ x = \!\! 6 \ , \ y = \!\! 0 \ , \ v = \!\! 170 \\ w = \!\! 6 \ , \ h = \!\! 5 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 30 \\ w = \!\! 32 \ , \ h = \!\! 35 \ , \ x = \!\! 8 \ , \ y = \!\! 5 \ , \ v = \!\! 1120 \\ w = \!\! 8 \ , \ h = \!\! 30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



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

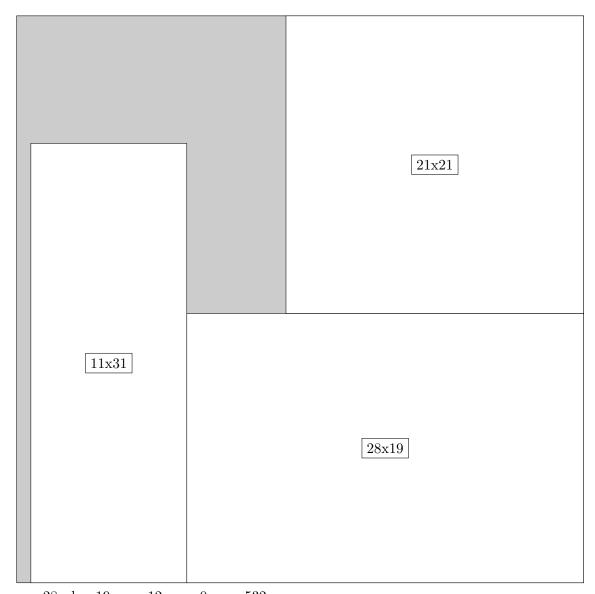


$$\begin{array}{l} w=28 \ , \ h=33 \ , \ x=12 \ , \ y=0 \ , \ v=924 \\ w=27 \ , \ h=2 \ , \ x=13 \ , \ y=33 \ , \ v=54 \\ w=23 \ , \ h=5 \ , \ x=17 \ , \ y=35 \ , \ v=115 \\ w=9 \ , \ h=30 \ , \ x=3 \ , \ y=0 \ , \ v=270 \\ w=3 \ , \ h=30 \ , \ x=0 \ , \ y=0 \ , \ v=90 \end{array}$$



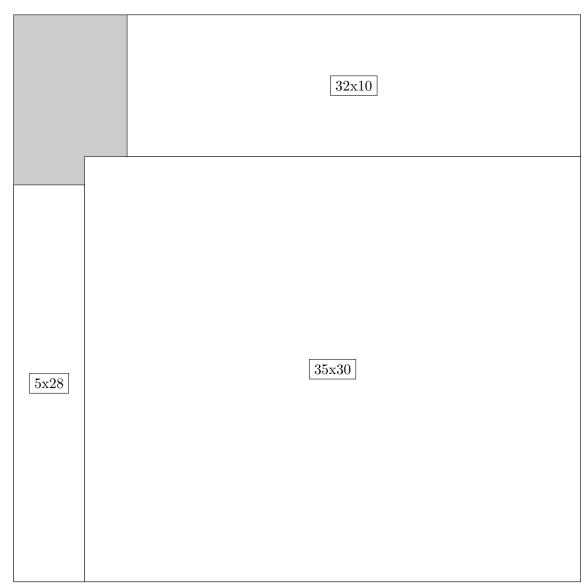
$$\begin{array}{l} w = \! 16 \ , \, h = \! 34 \ , \, x = \! 24 \ , \, y = \! 0 \ , \, v = \! 544 \\ w = \! 24 \ , \, h = \! 22 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 528 \end{array}$$

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

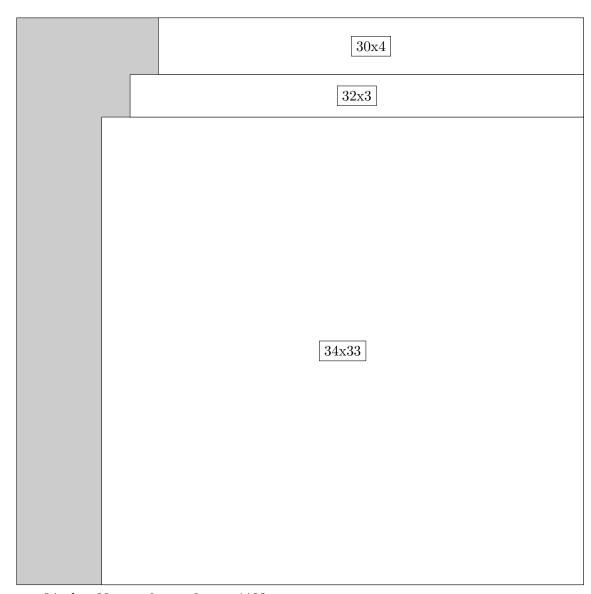


$$\begin{array}{l} w = \! 28 \ , \ h = \! 19 \ , \ x = \! 12 \ , \ y = \! 0 \ , \ v = \! 532 \\ w = \! 21 \ , \ h = \! 21 \ , \ x = \! 19 \ , \ y = \! 19 \ , \ v = \! 441 \end{array}$$

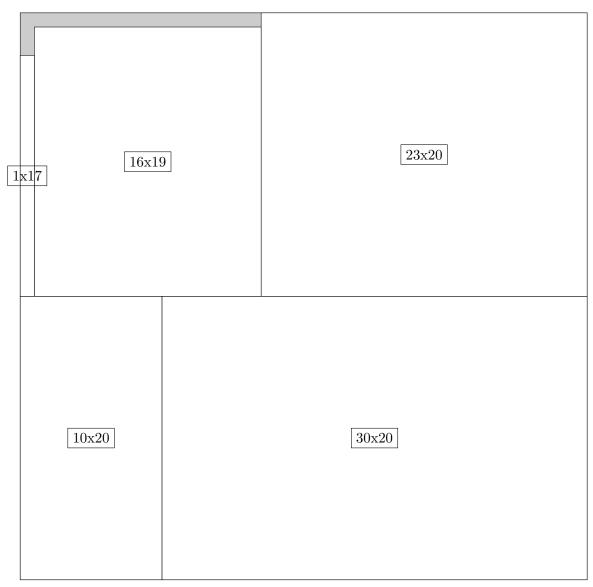
$$\mathbf{w}$$
 =11 , h =31 , x =1 , y =0 , v =341



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



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

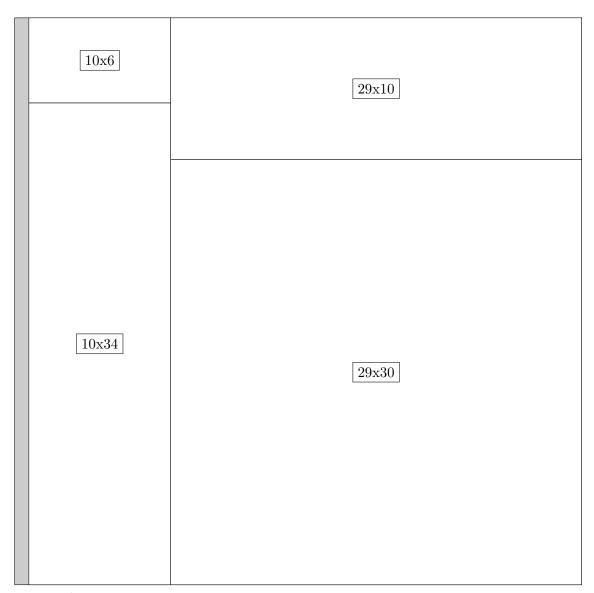


$$\le 30$$
 , h =20 , x =10 , y =0 , v =600

$$\le =23$$
 , 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

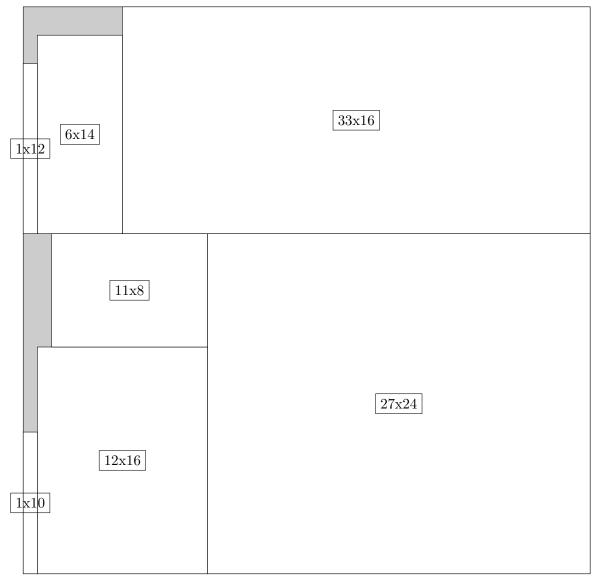


$$\le =29$$
 , h =30 , x =11 , y =0 , v =870

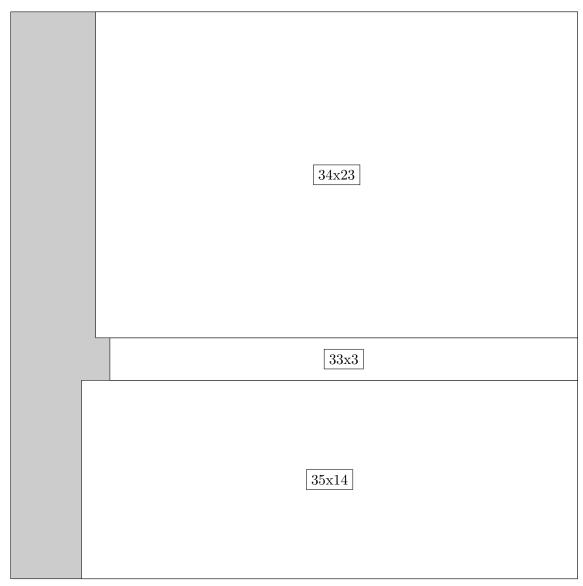
$$\le =29$$
 , h =10 , x =11 , y =30 , v =290

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

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



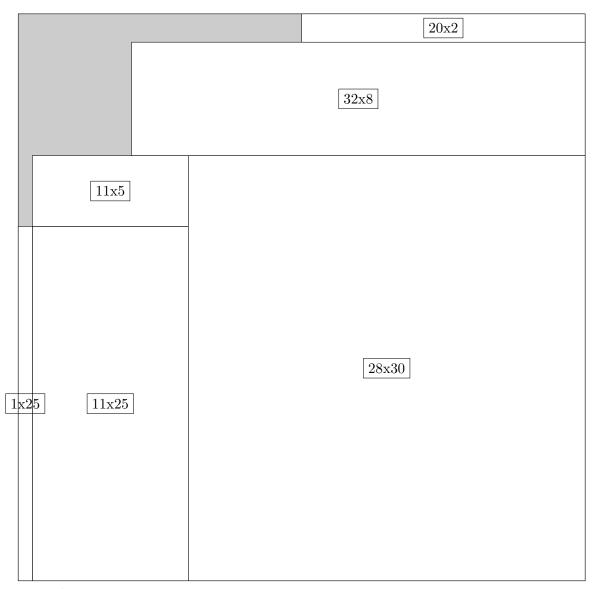
 $\begin{array}{l} w=27 \;,\; h=24 \;,\; x=13 \;,\; y=0 \;,\; v=648 \\ w=12 \;,\; h=16 \;,\; x=1 \;,\; y=0 \;,\; v=192 \\ w=1 \;,\; h=10 \;,\; x=0 \;,\; y=0 \;,\; v=10 \\ w=11 \;,\; h=8 \;,\; x=2 \;,\; y=16 \;,\; v=88 \\ w=33 \;,\; h=16 \;,\; x=7 \;,\; y=24 \;,\; v=528 \\ w=6 \;,\; h=14 \;,\; x=1 \;,\;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



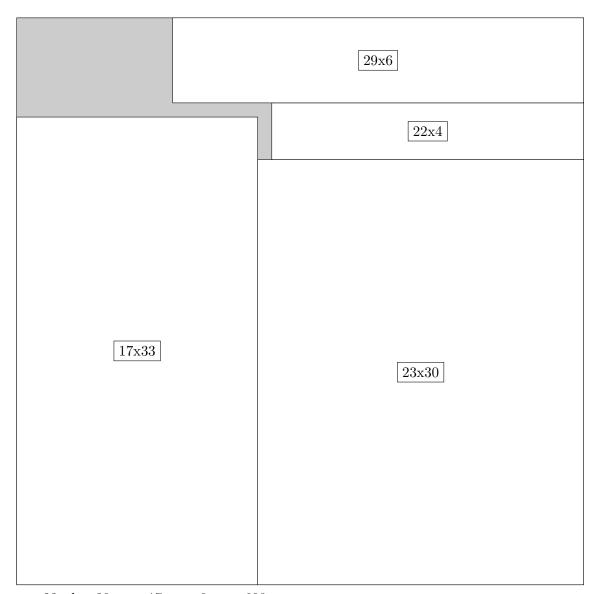
$$w = 35$$
, $h = 14$, $x = 5$, $y = 0$, $v = 490$

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

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



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

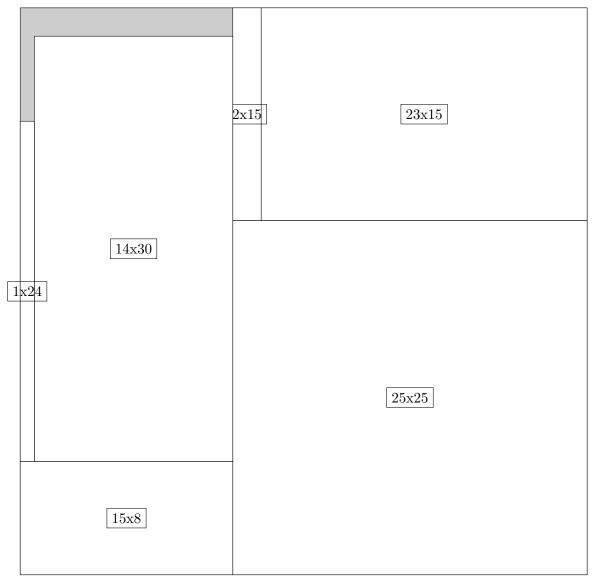


 $\le =23$, h =30 , x =17 , y =0 , v =690

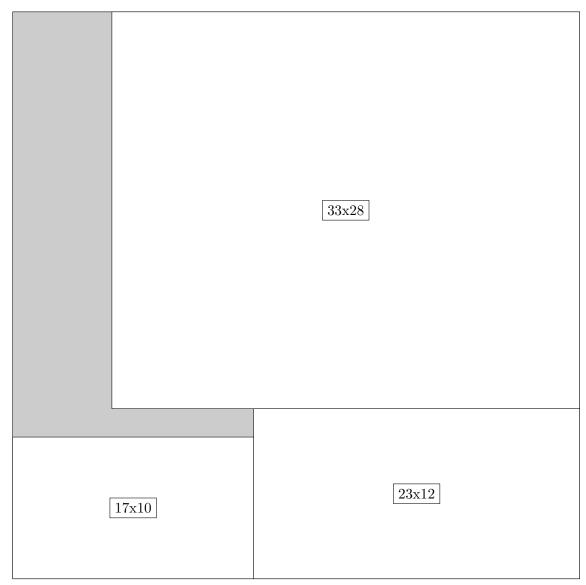
 $\le =22$, h =4 , x =18 , y =30 , v =88

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

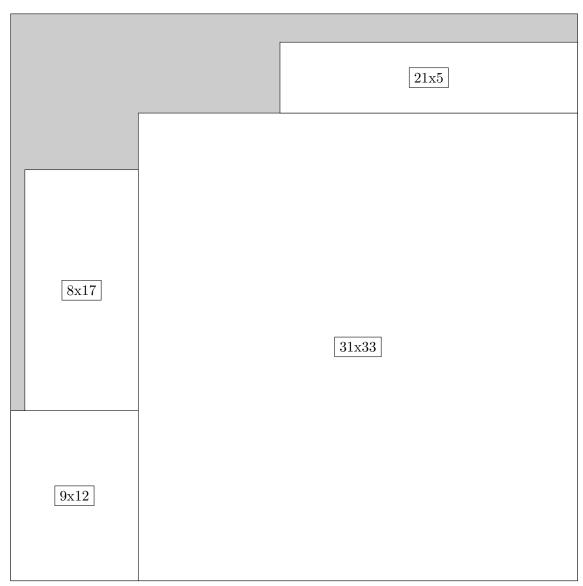
w =29 , h =6 , x =11 , y =34 , v =174



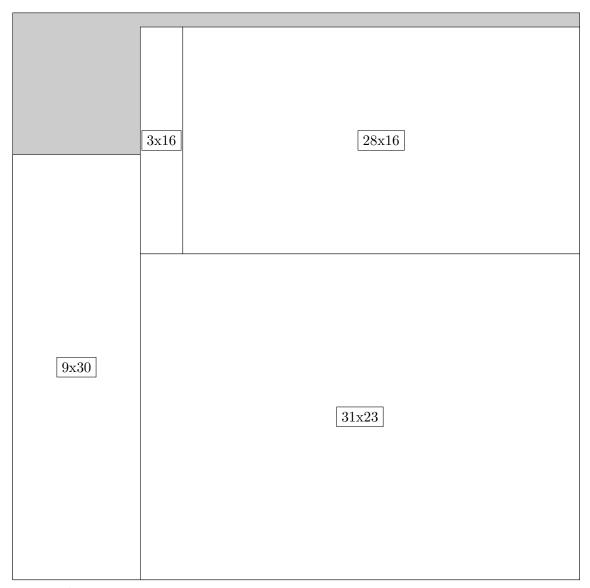
$$\begin{array}{l} w=25 \ , \ h=25 \ , \ x=15 \ , \ y=0 \ , \ v=625 \\ w=23 \ , \ h=15 \ , \ x=17 \ , \ y=25 \ , \ v=345 \\ w=2 \ , \ h=15 \ , \ x=15 \ , \ y=25 \ , \ v=30 \\ w=15 \ , \ h=8 \ , \ x=0 \ , \ y=0 \ , \ v=120 \\ w=14 \ , \ h=30 \ , \ x=1 \ , \ y=8 \ , \ v=420 \\ w=1 \ , \ h=24 \ , \ x=0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

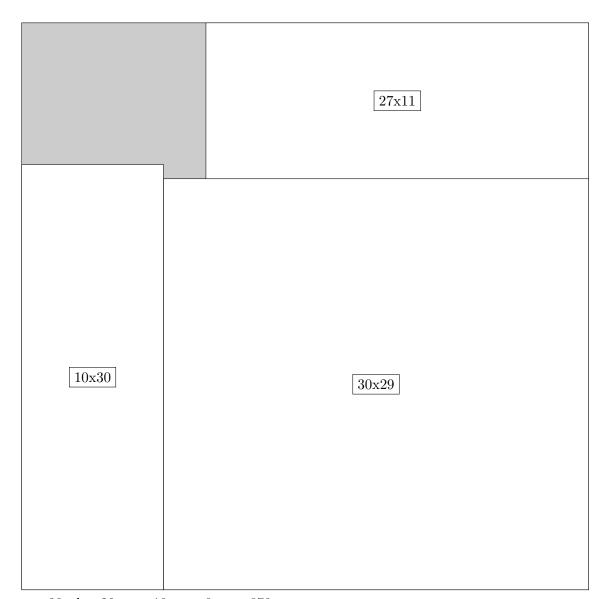


$$\begin{array}{l} w = 23 \ , \ h = 12 \ , \ x = 17 \ , \ y = 0 \ , \ v = 276 \\ w = 17 \ , \ h = 10 \ , \ x = 0 \ , \ y = 0 \ , \ v = 170 \\ w = 33 \ , \ h = 28 \ , \ x = 7 \ , \ y = 12 \ , \ v = 924 \end{array}$$



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





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

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

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

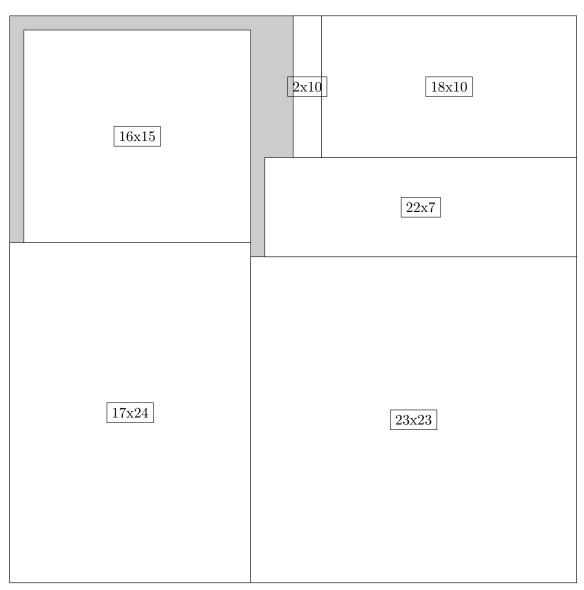
$$\mathbf{w}$$
 =21 , h =21 , x =19 , y =0 , v =441

$$w$$
 =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

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



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

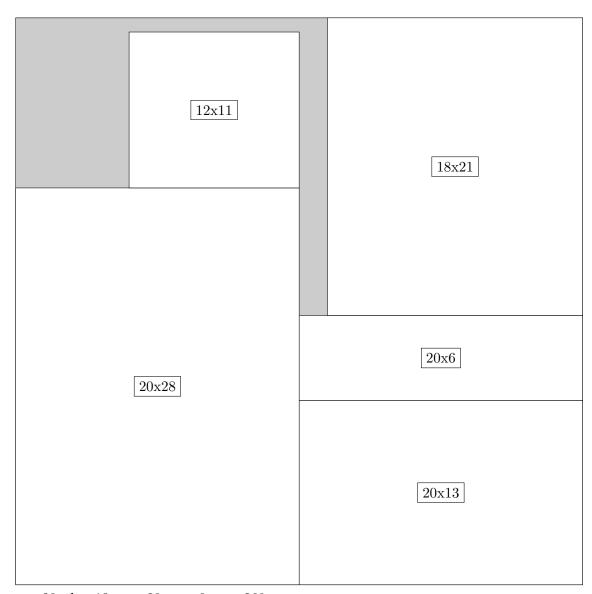
$$\le =22$$
 , h =7 , x =18 , y =23 , v =154

$$\le =18$$
 , 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

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



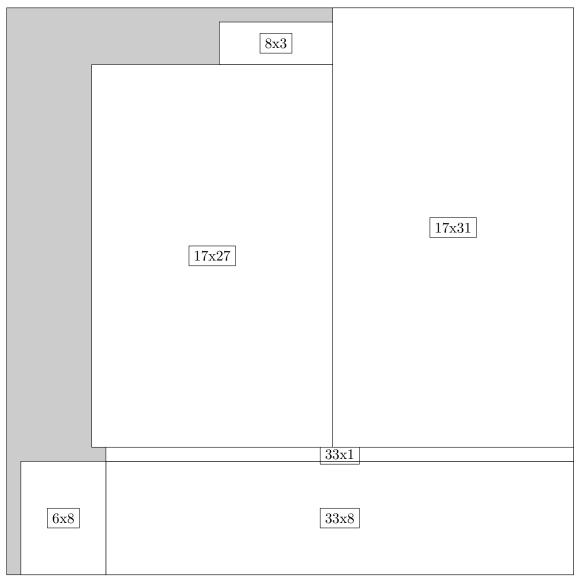
$$\le =20$$
 , h =13 , x =20 , y =0 , v =260

$$\le =20$$
 , 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

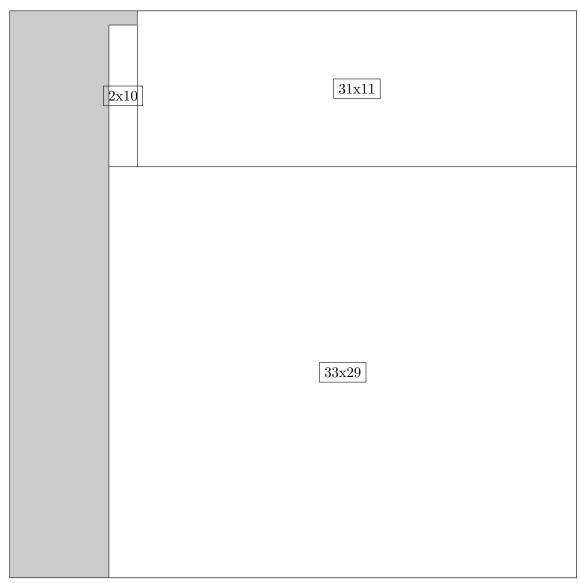
$$\le =33$$
 , h =1 , x =7 , y =8 , v =33

$$\mathbf{w}$$
 =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



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