$ClassName: \ Class\_03.2bp\text{-}42$ 

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

TypeNum: 97
Num: 100
OutS: 30400
InS: 28224
Rate: 0.928
UB: 19
LB0: 19
LB: 19

LBWithCut:  $\underline{\mathbf{19}}$ NodeCut:  $\underline{\mathbf{0}}$ 

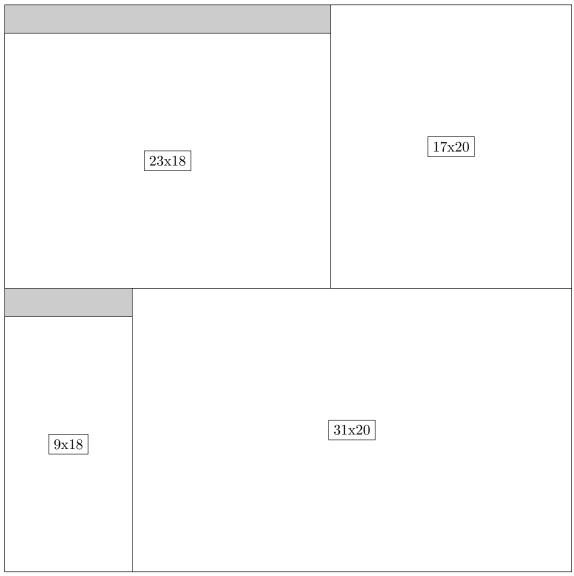
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{19}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

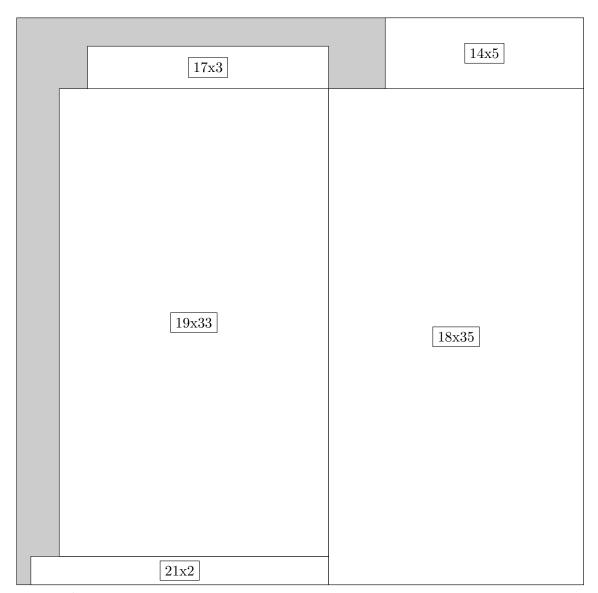
isOpt:  $\underline{\mathbf{true}}$ 

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.360 s



$$\begin{array}{l} w = & 31 \ , \ h = & 20 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 620 \\ w = & 9 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 162 \\ w = & 17 \ , \ h = & 20 \ , \ x = & 23 \ , \ y = & 20 \ , \ v = & 340 \\ w = & 23 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 20 \ , \ v = & 414 \end{array}$$



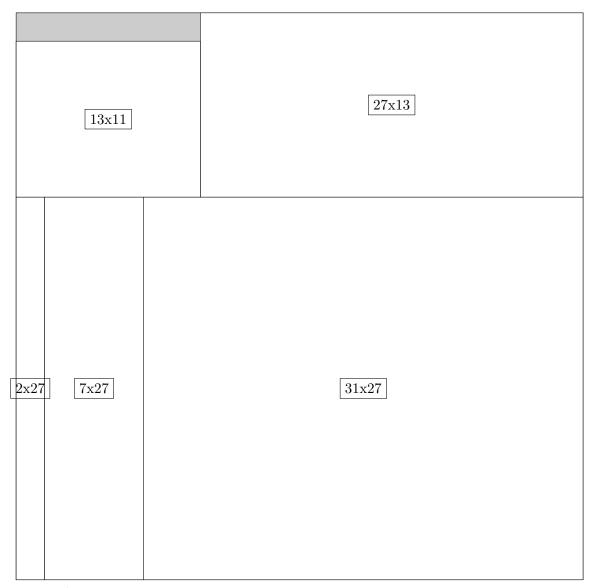
$$\le =18$$
 , h =35 , x =22 , y =0 , v =630

$$\le =14$$
 , h =5 , x =26 , y =35 , v =70

$$\mathbf{w}$$
 =21 , h =2 , x =1 , y =0 , v =42

$$\le =19$$
 , h =33 , x =3 , y =2 , v =627

$$w$$
 =17 ,  $h$  =3 ,  $x$  =5 ,  $y$  =35 ,  $v$  =51



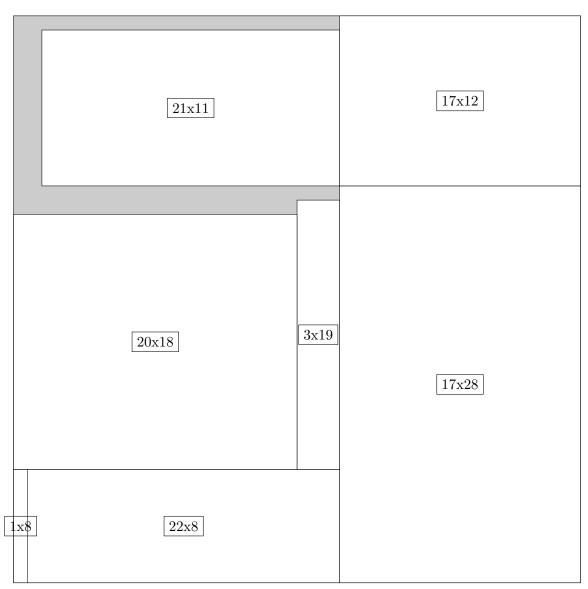
$$\le 31$$
 ,  $\le 27$  ,  $\ge 9$  ,  $\ge 0$  ,  $\le 837$ 

$$\mathbf{w}$$
 =7 , h =27 , x =2 , y =0 , v =189

$$\mathbf{w}$$
 =2 , h =27 , x =0 , y =0 , v =54

$$\le =27$$
 , h =13 , x =13 , y =27 , v =351

$$\mathbf{w}$$
 =13 , h =11 , x =0 , y =27 , v =143



$$w = 17$$
,  $h = 28$ ,  $x = 23$ ,  $y = 0$ ,  $v = 476$ 

$$\le =22$$
 , h =8 , x =1 , y =0 , v =176

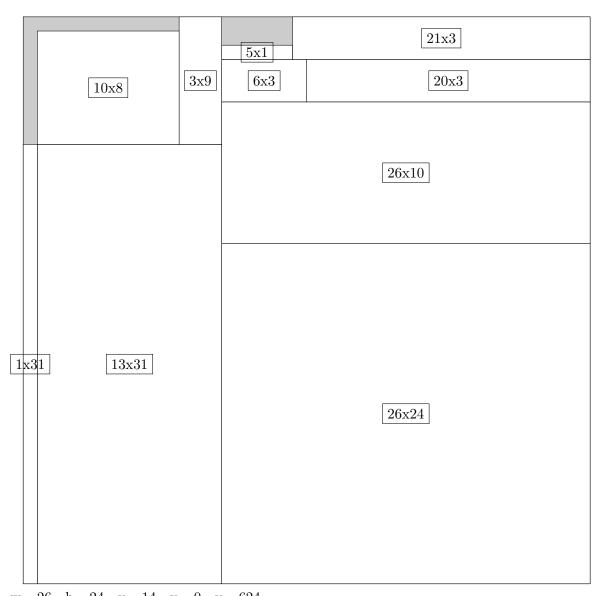
$$\mathbf{w}$$
 =1 , h =8 , x =0 , y =0 , v =8

$$\le =3$$
 , h =19 , x =20 , y =8 , v =57

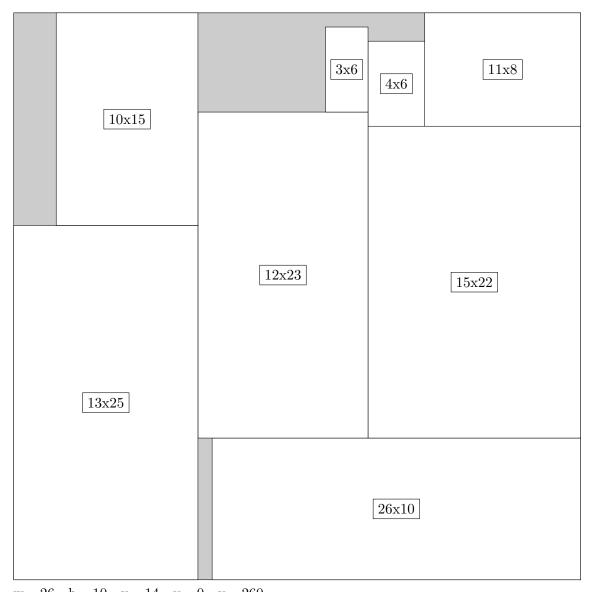
$$\le =20$$
 ,  $h=18$  ,  $x=0$  ,  $y=8$  ,  $v=360$ 

$$w = 17$$
,  $h = 12$ ,  $x = 23$ ,  $y = 28$ ,  $v = 204$ 

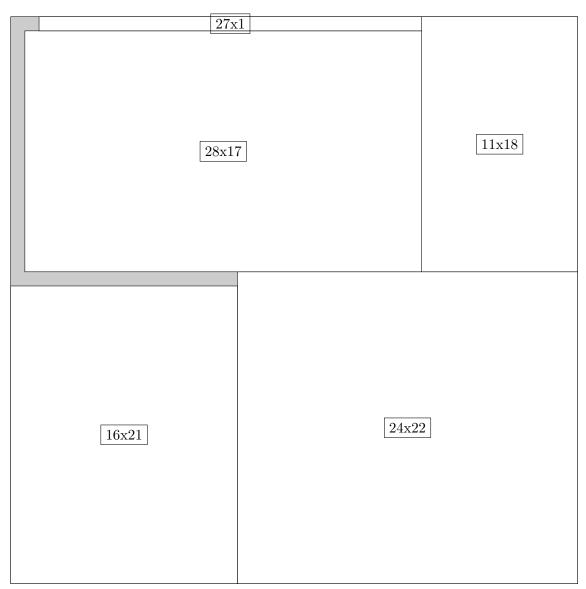
$$\mathbf{w}$$
 =21 , h =11 , x =2 , y =28 , v =231



$$\begin{array}{l} w=26\;,\; h=24\;,\; x=14\;,\; y=0\;,\; v=624\\ w=26\;,\; h=10\;,\; x=14\;,\; y=24\;,\; v=260\\ w=20\;,\; h=3\;,\; x=20\;,\; y=34\;,\; v=60\\ w=6\;,\; h=3\;,\; x=14\;,\; y=34\;,\; v=18\\ w=21\;,\; h=3\;,\; x=19\;,\; y=37\;,\; v=63\\ w=5\;,\; h=1\;,\; x=14\;,\; y=37\;,\; v=5\\ w=13\;,\; h=31\;,\; x=1\;,\; y=0\;,\; v=403\\ w=1\;,\; h=31\;,\; x=0\;,\; y=0\;,\; v=31\\ w=3\;,\; h=9\;,\; x=11\;,\; y=31\;,\; v=27\\ w=10\;,\; h=8\;,\; x=1\;,\; y=31\;,\; v=80\\ \end{array}$$



$$\begin{array}{l} w=26\;,\; h=10\;,\; x=14\;,\; y=0\;,\; v=260\\ w=15\;,\; h=22\;,\; x=25\;,\; y=10\;,\; v=330\\ w=11\;,\; h=8\;,\; x=29\;,\; y=32\;,\; v=88\\ w=4\;,\; h=6\;,\; x=25\;,\; y=32\;,\; v=24\\ w=12\;,\; h=23\;,\; x=13\;,\; y=10\;,\; v=276\\ w=3\;,\; h=6\;,\; x=22\;,\; y=33\;,\; v=18\\ w=13\;,\; h=25\;,\; x=0\;,\; y=0\;,\; v=325\\ w=10\;,\; h=15\;,\; x=3\;,\; y=25\;,\; v=150\\ \end{array}$$



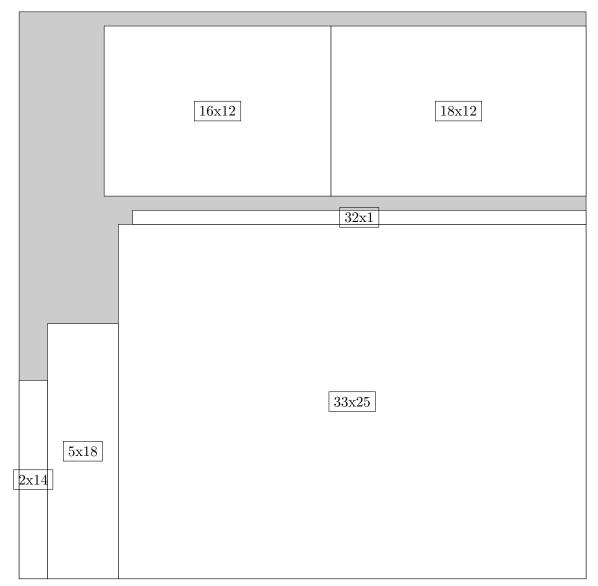
$$\le =24$$
 , h =22 , x =16 , y =0 , v =528

$$w = 16$$
,  $h = 21$ ,  $x = 0$ ,  $y = 0$ ,  $v = 336$ 

$$\le =11$$
 ,  $h$  =18 ,  $x$  =29 ,  $y$  =22 ,  $v$  =198

$$\le =28$$
 , h =17 , x =1 , y =22 , v =476

$$\le =27$$
 , h =1 , x =2 , y =39 , v =27



$$w = 33$$
,  $h = 25$ ,  $x = 7$ ,  $y = 0$ ,  $v = 825$ 

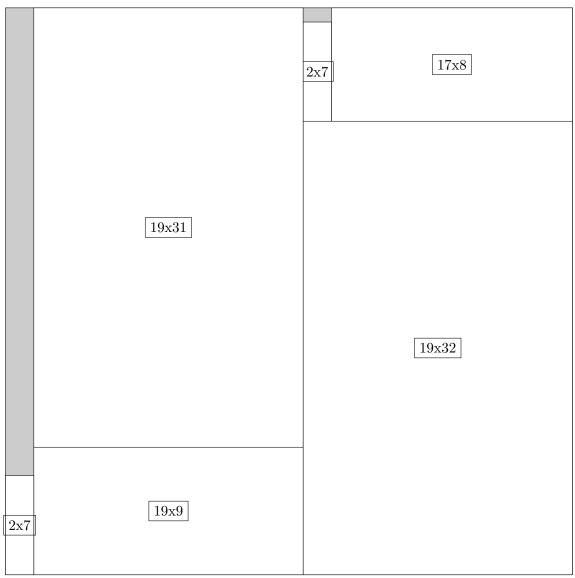
$$\le =32$$
 , h =1 , x =8 , y =25 , v =32

$$\mathbf{w}$$
 =5 , h =18 , x =2 , y =0 , v =90

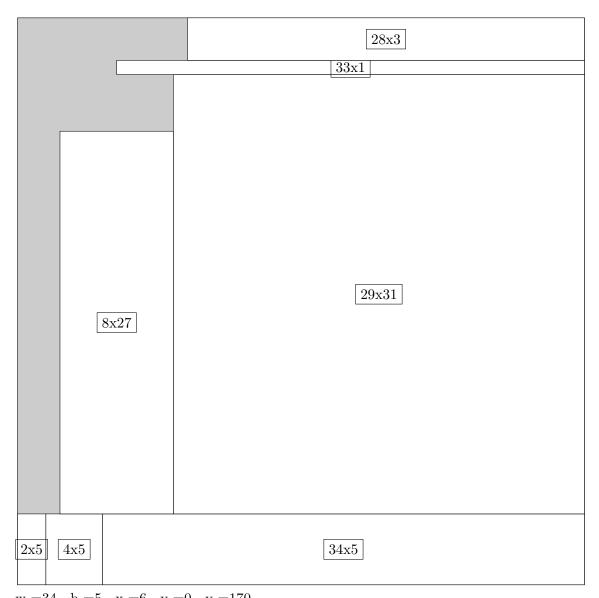
$$\mathbf{w}$$
 =2 , h =14 , x =0 , y =0 , v =28

$$\mathbf{w}$$
 =18 , h =12 , x =22 , y =27 , v =216

$$\mathbf{w}$$
 =16 ,  $\mathbf{h}$  =12 ,  $\mathbf{x}$  =6 ,  $\mathbf{y}$  =27 ,  $\mathbf{v}$  =192

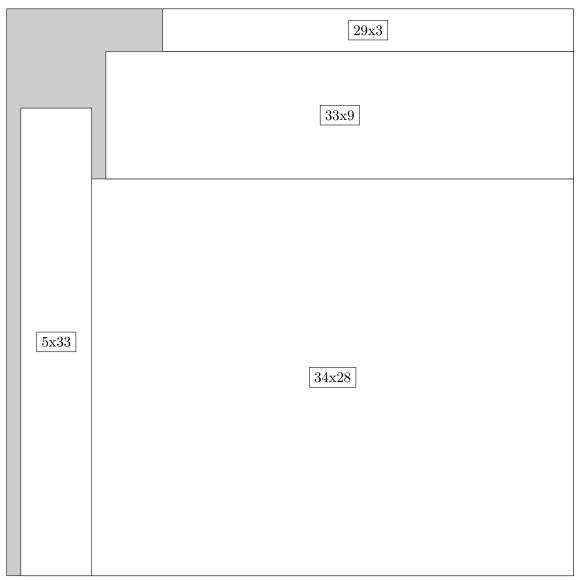


 $\begin{array}{l} w=19\;,\; h=32\;,\; x=21\;,\; y=0\;,\; v=608\\ w=17\;,\; h=8\;,\; x=23\;,\; y=32\;,\; v=136\\ w=2\;,\; h=7\;,\; x=21\;,\; y=32\;,\; v=14\\ w=19\;,\; h=9\;,\; x=2\;,\; y=0\;,\; v=171\\ w=2\;,\; h=7\;,\; x=0\;,\; y=0\;,\; v=14\\ w=19\;,\; h=31\;,\; x=2\;,\; y=9\;,\; v=589 \end{array}$ 

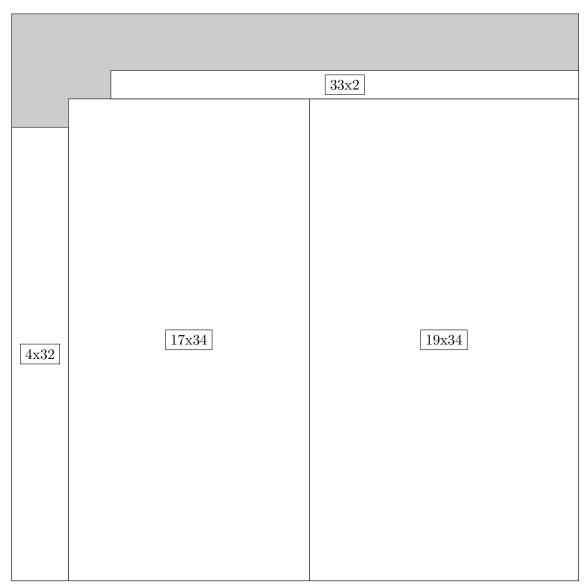


$$\begin{array}{l} w = 34 \; , \; h = 5 \; , \; x = 6 \; , \; y = 0 \; , \; v = 170 \\ w = 4 \; , \; h = 5 \; , \; x = 2 \; , \; y = 0 \; , \; v = 20 \\ w = 2 \; , \; h = 5 \; , \; x = 0 \; , \; y = 0 \; , \; v = 10 \\ w = 29 \; , \; h = 31 \; , \; x = 11 \; , \; y = 5 \; , \; v = 899 \\ w = 8 \; , \; h = 27 \; , \; x = 3 \; , \; y = 5 \; , \; v = 216 \\ w = 33 \; , \; h = 1 \; , \; x = 7 \; , \; y = 36 \; , \; v = 33 \end{array}$$

 $\le =28$  , h =3 , x =12 , y =37 , v =84



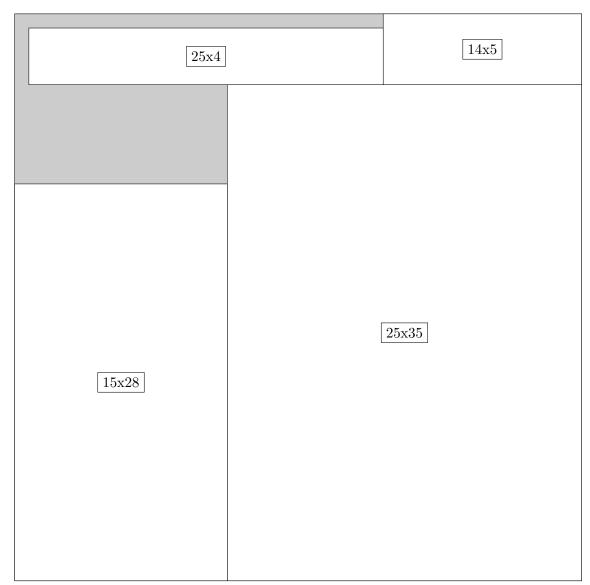
 $\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 28 \ , \ x = \!\! 6 \ , \ y = \!\! 0 \ , \ v = \!\! 952 \\ w = \!\! 33 \ , \ h = \!\! 9 \ , \ x = \!\! 7 \ , \ y = \!\! 28 \ , \ v = \!\! 297 \\ w = \!\! 29 \ , \ h = \!\! 3 \ , \ x = \!\! 11 \ , \ y = \!\! 37 \ , \ v = \!\! 87 \\ w = \!\! 5 \ , \ h = \!\! 33 \ , \ x = \!\! 1 \ , \ y = \!\! 0 \ , \ v = \!\! 165 \end{array}$ 



 $\begin{array}{l} w = & 19 \ , \ h = & 34 \ , \ x = & 21 \ , \ y = & 0 \ , \ v = & 646 \\ w = & 17 \ , \ h = & 34 \ , \ x = & 4 \ , \ y = & 0 \ , \ v = & 578 \\ w = & 4 \ , \ h = & 32 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 128 \\ w = & 33 \ , \ h = & 2 \ , \ x = & 7 \ , \ y = & 34 \ , \ v = & 66 \end{array}$ 



$$\begin{array}{l} w = \! 35 \; , \; h = \! 18 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 630 \\ w = \! 33 \; , \; h = \! 22 \; , \; x = \! 7 \; , \; y = \! 18 \; , \; v = \! 726 \\ w = \! 5 \; , \; h = \! 29 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 145 \end{array}$$



$$\le =25$$
 , h =35 , x =15 , y =0 , v =875

$$\le =15$$
 ,  $h$  =28 ,  $x$  =0 ,  $y$  =0 ,  $v$  =420

$$w=\!14$$
 ,  $h=\!5$  ,  $x=\!26$  ,  $y=\!35$  ,  $v=\!70$ 

$$\le =25$$
 , h =4 , x =1 , y =35 , v =100

17x7	16x11
	16x13
24x33	16x16

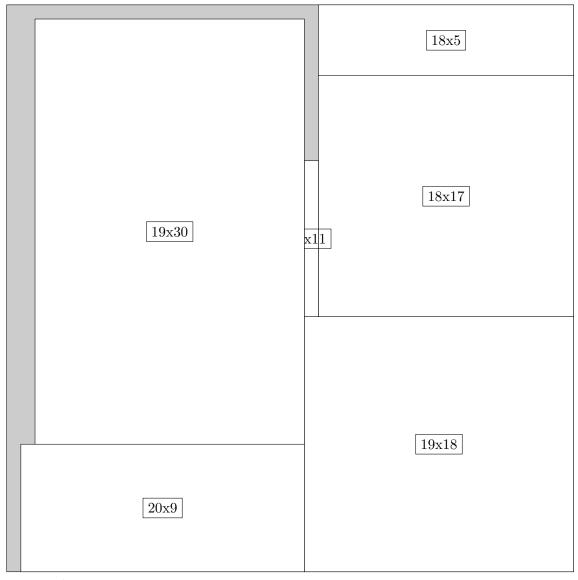
$$\le =16$$
 ,  $h$  =16 ,  $x$  =24 ,  $y$  =0 ,  $v$  =256

$$\le =16$$
 ,  $h$  =13 ,  $x$  =24 ,  $y$  =16 ,  $v$  =208

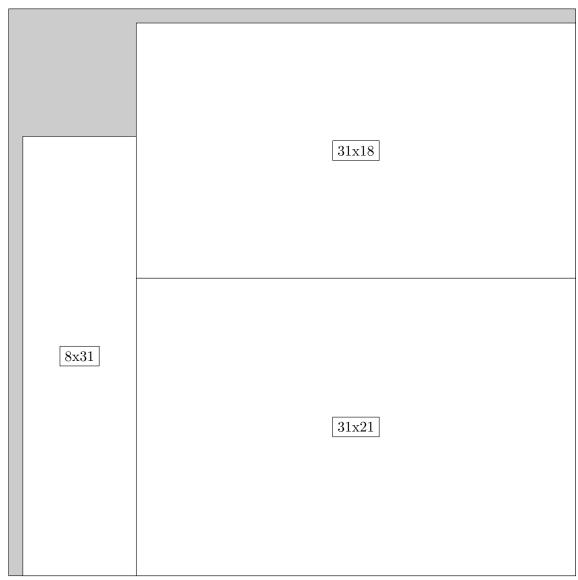
$$\le =16$$
 , h =11 , x =24 , y =29 , v =176

$$\le =24$$
 , h =33 , x =0 , y =0 , v =792

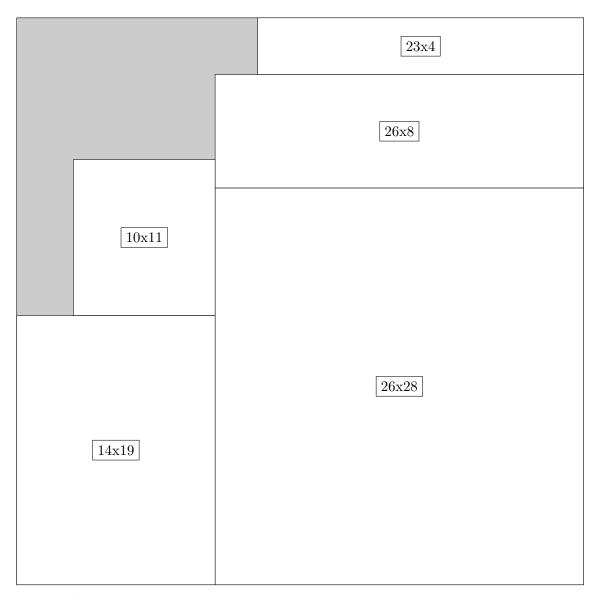
$$\le =17$$
 , h =7 , x =7 , y =33 , v =119



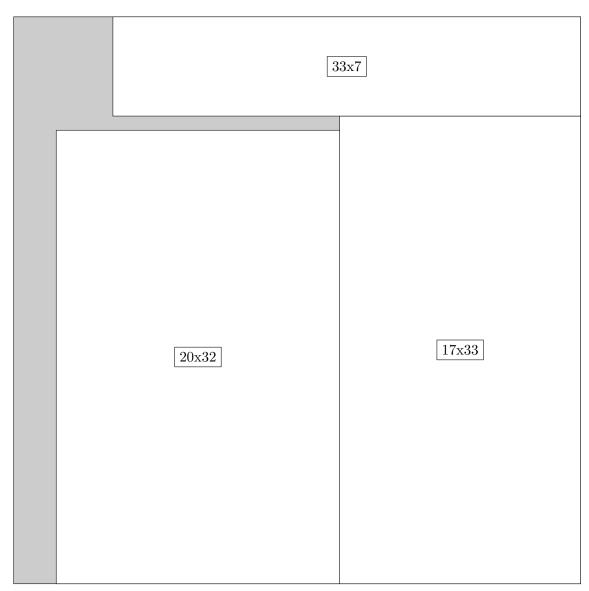
$$\begin{array}{l} w=19\;,\; h=18\;,\; x=21\;,\; y=0\;,\; v=342\\ w=18\;,\; h=17\;,\; x=22\;,\; y=18\;,\; v=306\\ w=1\;,\; h=11\;,\; x=21\;,\; y=18\;,\; v=11\\ w=18\;,\; h=5\;,\; x=22\;,\; y=35\;,\; v=90\\ w=20\;,\; h=9\;,\; x=1\;,\; y=0\;,\; v=180\\ w=19\;,\; h=30\;,\; x=2\;,\; y=9\;,\; v=570 \end{array}$$



 $\begin{array}{l} w = & 31 \;,\; h = & 21 \;,\; x = & 9 \;,\; y = & 0 \;,\; v = & 651 \\ w = & 31 \;,\; h = & 18 \;,\; x = & 9 \;,\; y = & 21 \;,\; v = & 558 \\ w = & 8 \;,\; h = & 31 \;,\; x = & 1 \;,\; y = & 0 \;,\; v = & 248 \end{array}$ 



$$\begin{array}{l} w = 26 \ , \, h = 28 \ , \, x = 14 \ , \, y = 0 \ , \, v = 728 \\ w = 26 \ , \, h = 8 \ , \, x = 14 \ , \, y = 28 \ , \, v = 208 \\ w = 23 \ , \, h = 4 \ , \, x = 17 \ , \, y = 36 \ , \, v = 92 \\ w = 14 \ , \, h = 19 \ , \, x = 0 \ , \, y = 0 \ , \, v = 266 \\ w = 10 \ , \, h = 11 \ , \, x = 4 \ , \, y = 19 \ , \, v = 110 \end{array}$$



 $\begin{array}{l} w = & 17 \ , \ h = & 33 \ , \ x = & 23 \ , \ y = & 0 \ , \ v = & 561 \\ w = & 20 \ , \ h = & 32 \ , \ x = & 3 \ , \ y = & 0 \ , \ v = & 640 \\ w = & 33 \ , \ h = & 7 \ , \ x = & 7 \ , \ y = & 33 \ , \ v = & 231 \end{array}$