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

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

TypeNum: <u>97</u>
Num: <u>100</u>
OutS: <u>30400</u>
InS: <u>28224</u>
Rate: <u>0.928</u>
UB: <u>19</u>
LB0: <u>19</u>
LB: <u>19</u>

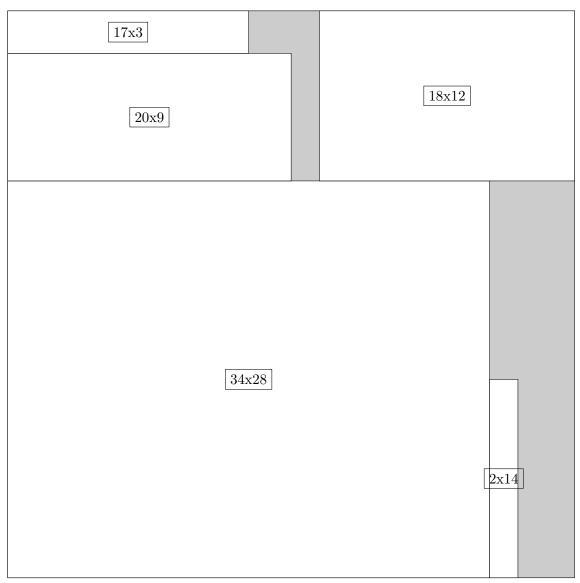
LBWithCut:  $\underline{\mathbf{19}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.141 s



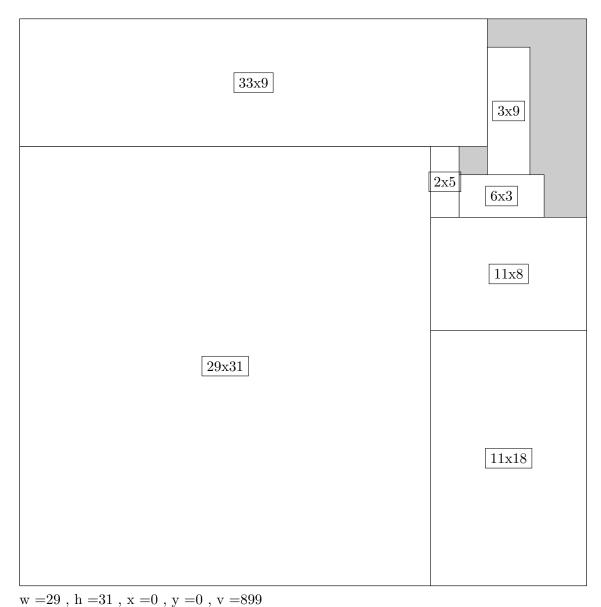
$$w = 34$$
,  $h = 28$ ,  $x = 0$ ,  $y = 0$ ,  $v = 952$ 

$$\le =18$$
 ,  $h$  =12 ,  $x$  =22 ,  $y$  =28 ,  $v$  =216

$$\le =20$$
 , h =9 , x =0 , y =28 , v =180

$$\mathbf{w}=\!17$$
 ,  $\mathbf{h}=\!3$  ,  $\mathbf{x}=\!0$  ,  $\mathbf{y}=\!37$  ,  $\mathbf{v}=\!51$ 

$$w = 2$$
,  $h = 14$ ,  $x = 34$ ,  $y = 0$ ,  $v = 28$ 



$$w = 3$$
,  $h = 9$ ,  $x = 33$ ,  $y = 29$ ,  $v = 27$ 

$$\mathbf{w}$$
 =6 , h =3 , x =31 , y =26 , v =18

$$w = 2$$
,  $h = 5$ ,  $x = 29$ ,  $y = 26$ ,  $v = 10$ 

	27x1
25x4	4x5
	10x11 4x6
25 x 35	
	15x28

$$w=25$$
 ,  $h=35$  ,  $x=0$  ,  $y=0$  ,  $v=875$ 

$$\le =15$$
 ,  $h=28$  ,  $x=25$  ,  $y=0$  ,  $v=420$ 

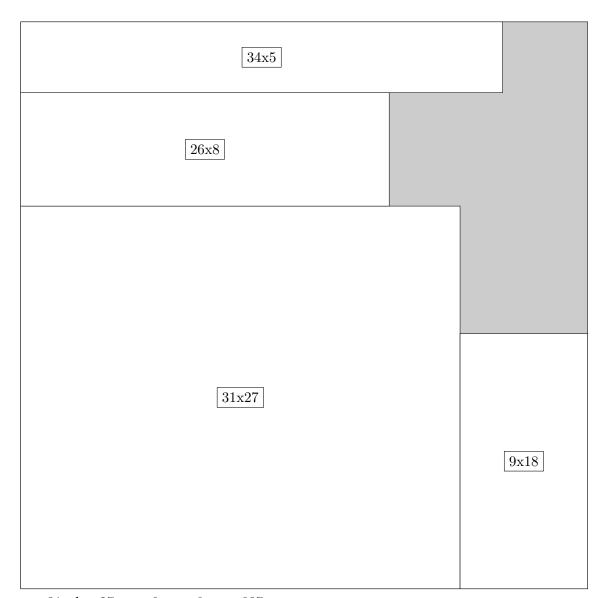
$$\le =10$$
 ,  $h$  =11 ,  $x$  =25 ,  $y$  =28 ,  $v$  =110

$$\le =25$$
 , h =4 , x =0 , y =35 , v =100

$$\le =27$$
 , h =1 , x =13 , y =39 , v =27

$$\mathbf{w}=\!\!4$$
 ,  $\mathbf{h}=\!\!6$  ,  $\mathbf{x}=\!\!35$  ,  $\mathbf{y}=\!\!28$  ,  $\mathbf{v}=\!\!24$ 

$$\mathbf{w}$$
 =4 , h =5 , x =35 , y =34 , v =20



$$\begin{array}{l} w = & 31 \;,\; h = & 27 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 837 \\ w = & 9 \;,\; h = & 18 \;,\; x = & 31 \;,\; y = & 0 \;,\; v = & 162 \\ w = & 26 \;,\; h = & 8 \;,\; x = & 0 \;,\; y = & 27 \;,\; v = & 208 \\ w = & 34 \;,\; h = & 5 \;,\; x = & 0 \;,\; y = & 35 \;,\; v = & 170 \end{array}$$

13x11	27x13
33x2	7x27

$$w = 27$$
,  $h = 13$ ,  $x = 13$ ,  $y = 27$ ,  $v = 351$ 

$$w$$
 =7 ,  $h$  =27 ,  $x$  =33 ,  $y$  =0 ,  $v$  =189

$$\le =13$$
 ,  $h$  =11 ,  $x$  =0 ,  $y$  =27 ,  $v$  =143

$$\le =33$$
 , h =2 , x =0 , y =25 , v =66

$$\le =33$$
 , h =25 , x =0 , y =0 , v =825

3x6 2x7 2x7 33x	7
	$\fbox{16x12}$
$\boxed{24\text{x}33}$	16x21

$$\mathbf{w}$$
 =2 , h =7 , x =3 , y =33 , v =14

$$\mathbf{w}$$
 =24 , h =33 , x =0 , y =0 , v =792

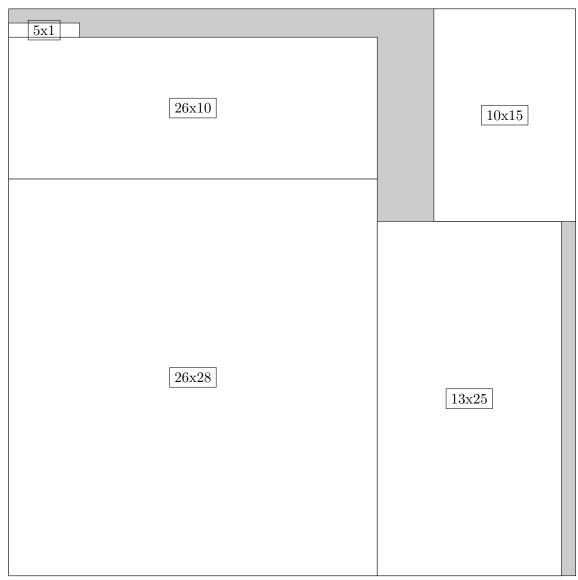
$$\le =16$$
 , h =21 , x =24 , y =0 , v =336

$$\le =33$$
 , h =7 , x =7 , y =33 , v =231

$$\mathbf{w}$$
 =16 ,  $\mathbf{h}$  =12 ,  $\mathbf{x}$  =24 ,  $\mathbf{y}$  =21 ,  $\mathbf{v}$  =192

$$w=3$$
 ,  $h=6$  ,  $x=0$  ,  $y=\!33$  ,  $v=\!18$ 

$$w$$
 =2 , h =7 , x =5 , y =33 , v =14



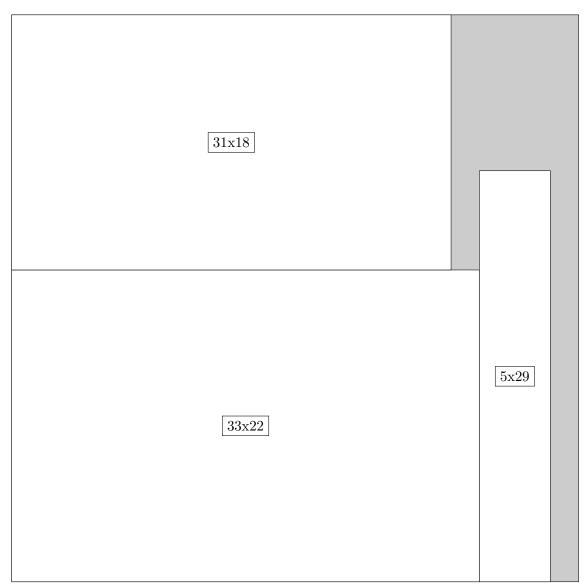
$$w = 26$$
,  $h = 28$ ,  $x = 0$ ,  $y = 0$ ,  $v = 728$ 

$$\le =13$$
 ,  $h=25$  ,  $x=26$  ,  $y=0$  ,  $v=325$ 

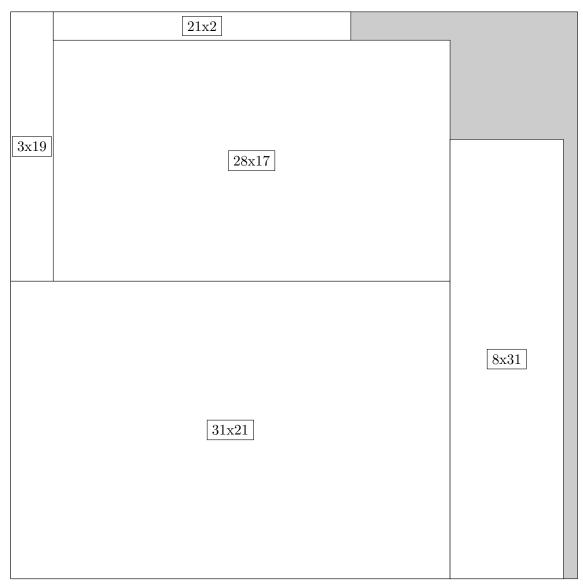
$$\le =26$$
 ,  $h=10$  ,  $x=0$  ,  $y=28$  ,  $v=260$ 

$$\le =10$$
 ,  $h=15$  ,  $x=30$  ,  $y=25$  ,  $v=150$ 

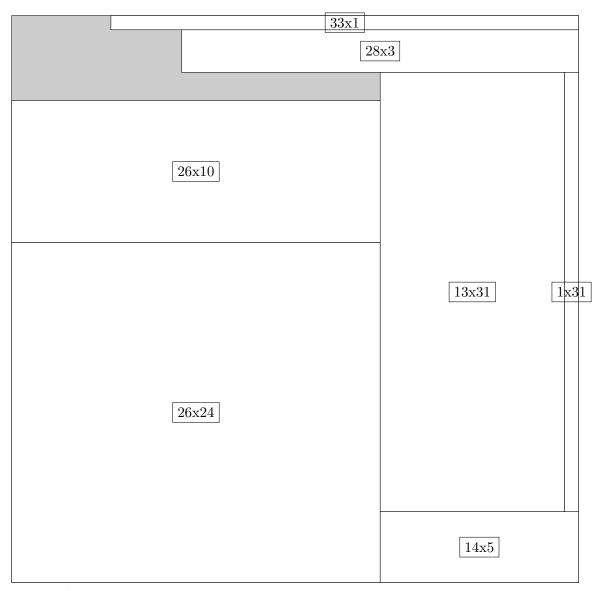
$$\mathbf{w}=\!5$$
 ,  $\mathbf{h}=\!1$  ,  $\mathbf{x}=\!0$  ,  $\mathbf{y}=\!38$  ,  $\mathbf{v}=\!5$ 



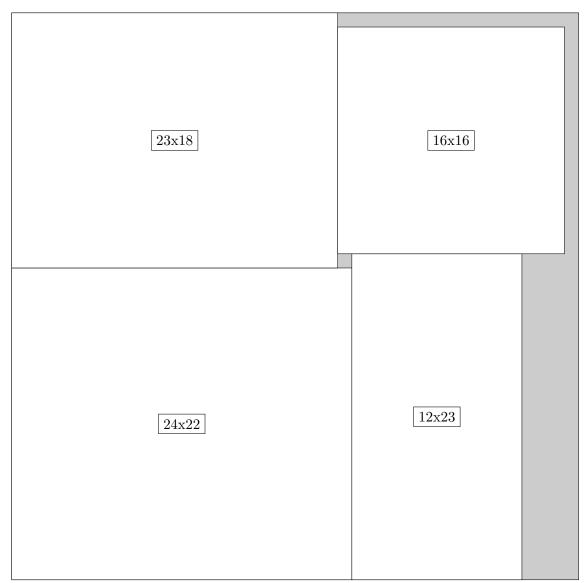
 $\begin{array}{l} w = \! 33 \ , \ h = \! 22 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 726 \\ w = \! 31 \ , \ h = \! 18 \ , \ x = \! 0 \ , \ y = \! 22 \ , \ v = \! 558 \\ w = \! 5 \ , \ h = \! 29 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 145 \end{array}$ 



 $\begin{array}{l} w = 31 \; , \; h = 21 \; , \; x = 0 \; , \; y = 0 \; , \; v = 651 \\ w = 28 \; , \; h = 17 \; , \; x = 3 \; , \; y = 21 \; , \; v = 476 \\ w = 8 \; , \; h = 31 \; , \; x = 31 \; , \; y = 0 \; , \; v = 248 \\ w = 3 \; , \; h = 19 \; , \; x = 0 \; , \; y = 21 \; , \; v = 57 \\ w = 21 \; , \; h = 2 \; , \; x = 3 \; , \; y = 38 \; , \; v = 42 \end{array}$ 



$$\begin{array}{l} w=26 \ , \ h=24 \ , \ x=0 \ , \ y=0 \ , \ v=624 \\ w=13 \ , \ h=31 \ , \ x=26 \ , \ y=5 \ , \ v=403 \\ w=26 \ , \ h=10 \ , \ x=0 \ , \ y=24 \ , \ v=260 \\ w=28 \ , \ h=3 \ , \ x=12 \ , \ y=36 \ , \ v=84 \\ w=14 \ , \ h=5 \ , \ x=26 \ , \ y=0 \ , \ v=70 \\ w=33 \ , \ h=1 \ , \ x=7 \ , \ y=39 \ , \ v=33 \\ w=1 \ , \ h=31 \ , \ x=39 \ , \ y=5 \ , \ v=31 \end{array}$$

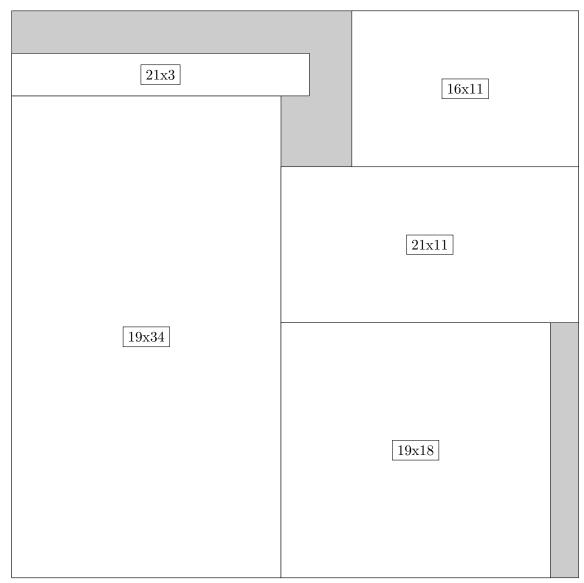


$$\le =24$$
 , h =22 , x =0 , y =0 , v =528

$$\le =23$$
 ,  $h$  =18 ,  $x$  =0 ,  $y$  =22 ,  $v$  =414

$$\le =12$$
 , h =23 , x =24 , y =0 , v =276

$$\le =16$$
 ,  $h=16$  ,  $x=23$  ,  $y=23$  ,  $v=256$ 



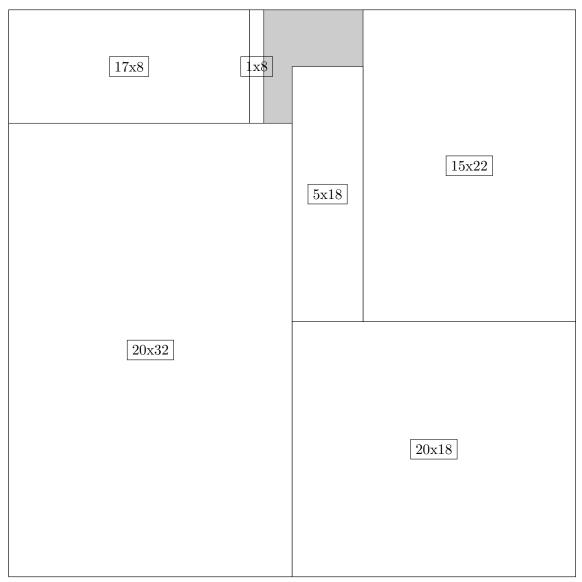
$$\le =19$$
 ,  $= 34$  ,  $= 0$  ,  $y = 0$  ,  $v = 646$ 

$$\le =19$$
 ,  $h$  =18 ,  $x$  =19 ,  $y$  =0 ,  $v$  =342

$$\le =21$$
 ,  $h$  =11 ,  $x$  =19 ,  $y$  =18 ,  $v$  =231

$$\mathbf{w}$$
 =16 , h =11 , x =24 , y =29 , v =176

$$w = 21$$
,  $h = 3$ ,  $x = 0$ ,  $y = 34$ ,  $v = 63$ 



$$w = 20$$
,  $h = 32$ ,  $x = 0$ ,  $y = 0$ ,  $v = 640$ 

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

$$\le =15$$
 , h =22 , x =25 , y =18 , v =330

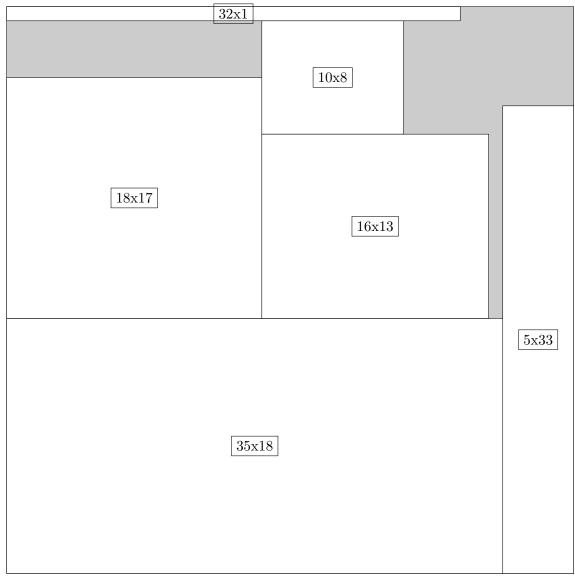
$$\le =17$$
 , h =8 , x =0 , y =32 , v =136

$$w$$
 =5 , h =18 , x =20 , y =18 , v =90

$$w=\!1$$
 ,  $h=\!8$  ,  $x=\!17$  ,  $y=\!32$  ,  $v=\!8$ 



 $\begin{array}{l} w=1\ ,\ h=11\ ,\ x=0\ ,\ y=0\ ,\ v=11\\ w=31\ ,\ h=20\ ,\ x=9\ ,\ y=0\ ,\ v=620\\ w=17\ ,\ h=20\ ,\ x=23\ ,\ y=20\ ,\ v=340\\ w=14\ ,\ h=19\ ,\ x=9\ ,\ y=20\ ,\ v=266\\ w=8\ ,\ h=27\ ,\ x=1\ ,\ y=0\ ,\ v=216 \end{array}$ 



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

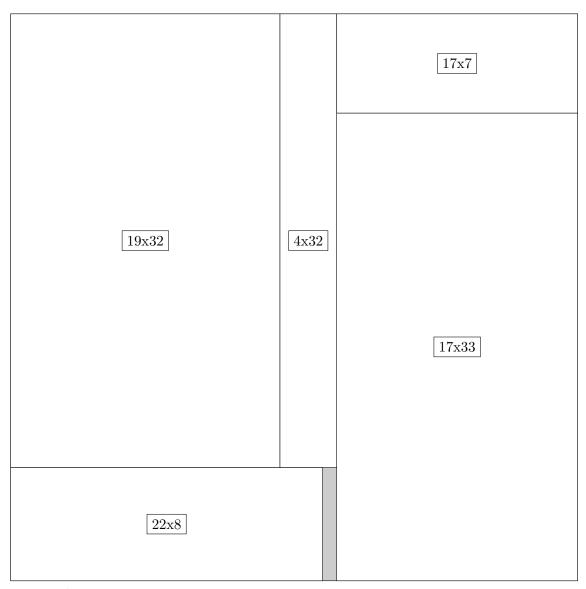
$$\le =18$$
 ,  $h$  =17 ,  $x$  =0 ,  $y$  =18 ,  $v$  =306

$$\le =10$$
 , h =8 , x =18 , y =31 , v =80

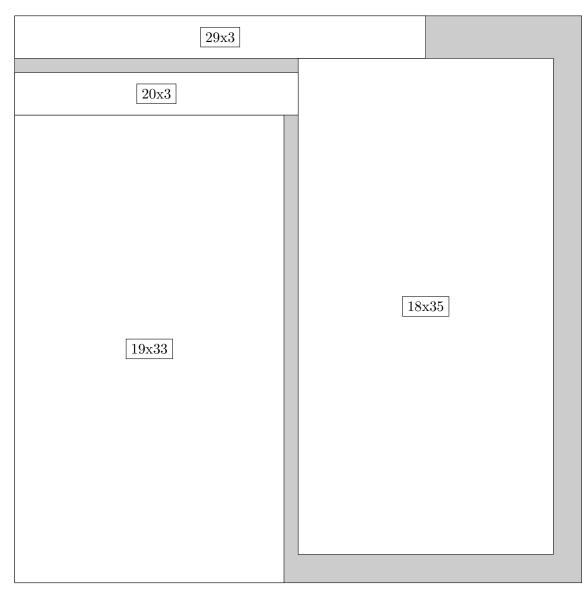
$$\le 5$$
 , h =33 , x =35 , y =0 , v =165

$$\le =16$$
 ,  $h$  =13 ,  $x$  =18 ,  $y$  =18 ,  $v$  =208

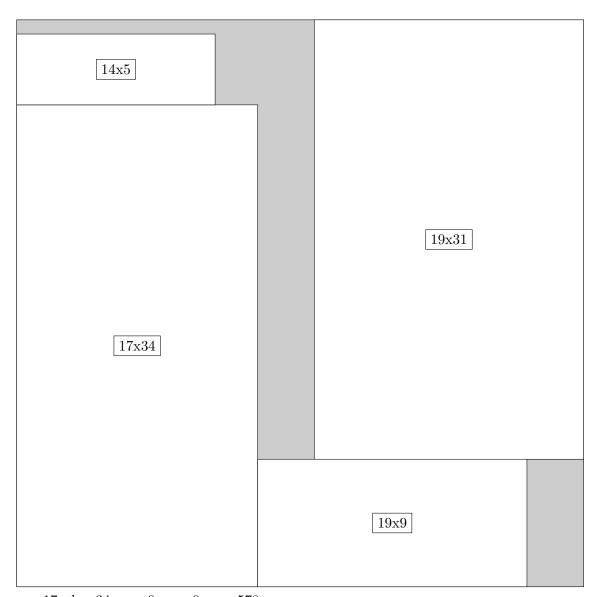
$$\le =32$$
 , h =1 , x =0 , y =39 , v =32



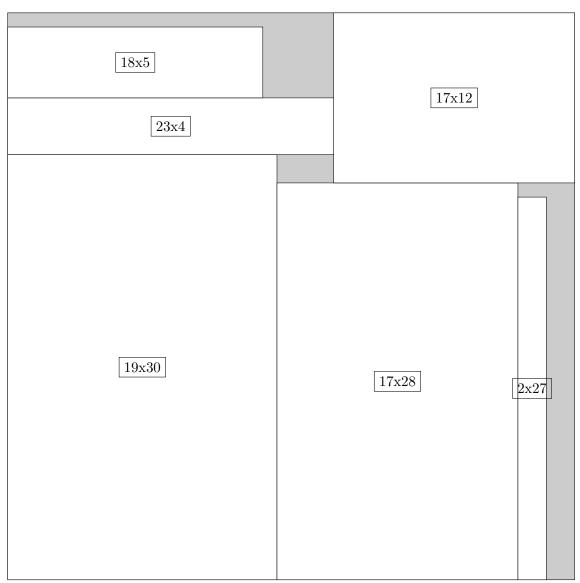
$$\begin{array}{l} w=22\;,\; h=8\;,\; x=0\;,\; y=0\;,\; v=176\\ w=19\;,\; h=32\;,\; x=0\;,\; y=8\;,\; v=608\\ w=17\;,\; h=33\;,\; x=23\;,\; y=0\;,\; v=561\\ w=4\;,\; h=32\;,\; x=19\;,\; y=8\;,\; v=128\\ w=17\;,\; h=7\;,\; x=23\;,\; y=33\;,\; v=119 \end{array}$$



$$\begin{array}{l} w = 19 \ , \ h = 33 \ , \ x = 0 \ , \ y = 0 \ , \ v = 627 \\ w = 18 \ , \ h = 35 \ , \ x = 20 \ , \ y = 2 \ , \ v = 630 \\ w = 29 \ , \ h = 3 \ , \ x = 0 \ , \ y = 37 \ , \ v = 87 \\ w = 20 \ , \ h = 3 \ , \ x = 0 \ , \ y = 33 \ , \ v = 60 \end{array}$$



$$\begin{array}{l} w = \!\! 17 \;, \; h = \!\! 34 \;, \; x = \!\! 0 \;, \; y = \!\! 0 \;, \; v = \!\! 578 \\ w = \!\! 19 \;, \; h = \!\! 9 \;, \; x = \!\! 17 \;, \; y = \!\! 0 \;, \; v = \!\! 171 \\ w = \!\! 19 \;, \; h = \!\! 31 \;, \; x = \!\! 21 \;, \; y = \!\! 9 \;, \; v = \!\! 589 \\ w = \!\! 14 \;, \; h = \!\! 5 \;, \; x = \!\! 0 \;, \; y = \!\! 34 \;, \; v = \!\! 70 \end{array}$$



$$\le =19$$
 , h =30 , x =0 , y =0 , v =570

$$\le =17$$
 , h =28 , x =19 , y =0 , v =476

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

$$\le =23$$
 , h =4 , x =0 , y =30 , v =92

$$\le =18$$
 ,  $h$  =5 ,  $x$  =0 ,  $y$  =34 ,  $v$  =90

$$w=2$$
 ,  $h=\!27$  ,  $x=\!36$  ,  $y=\!0$  ,  $v=\!54$