$ClassName: \ Class_03.2bp\text{-}42$

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

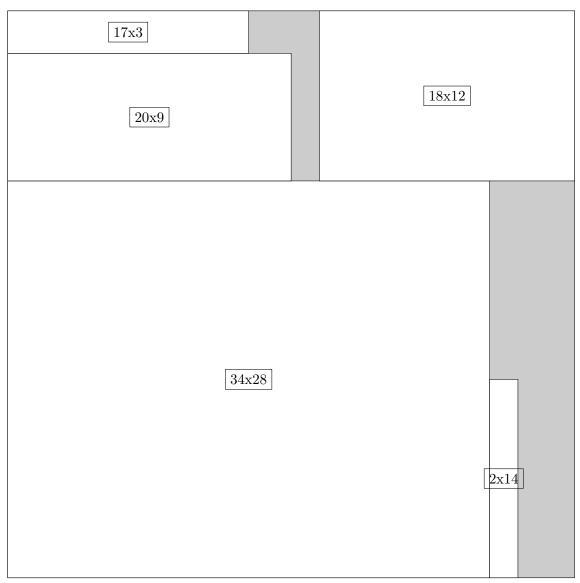
 $\operatorname{ExtendedNodeCnt}$: $\underline{\mathbf{1}}$

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: $\underline{120.010 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 120.150 s



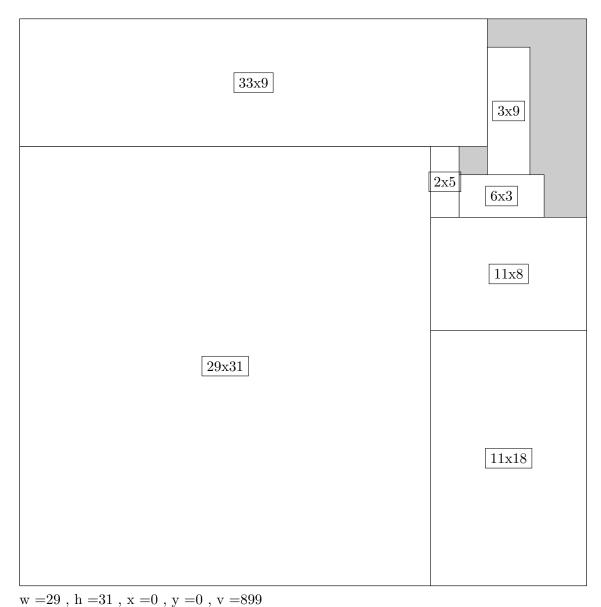
$$w = 34$$
, $h = 28$, $x = 0$, $y = 0$, $v = 952$

$$\le =18$$
 , 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

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

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

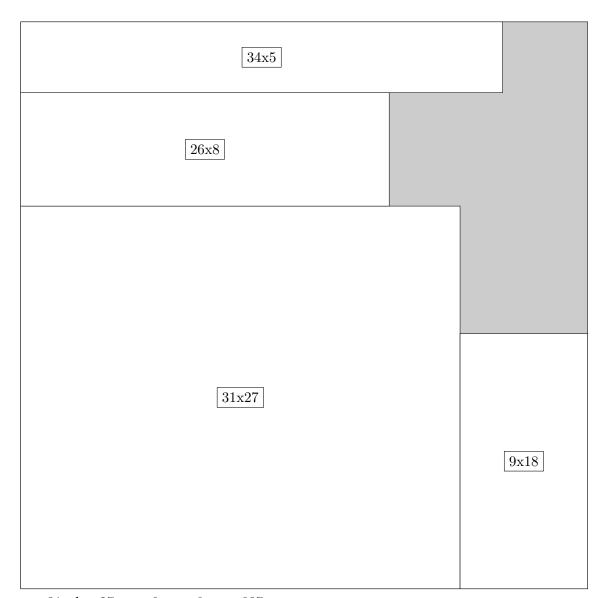
$$\le =10$$
 , h =11 , x =25 , y =28 , v =110

$$\le =25$$
 , 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

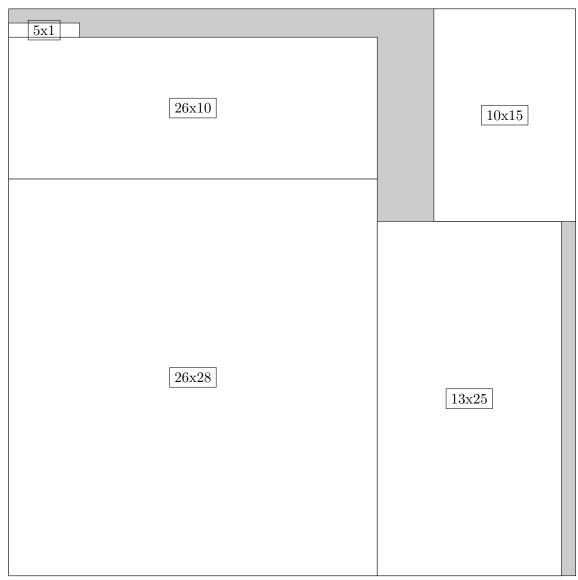
$$\le =16$$
 , h =21 , x =24 , y =0 , v =336

$$\le =33$$
 , 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



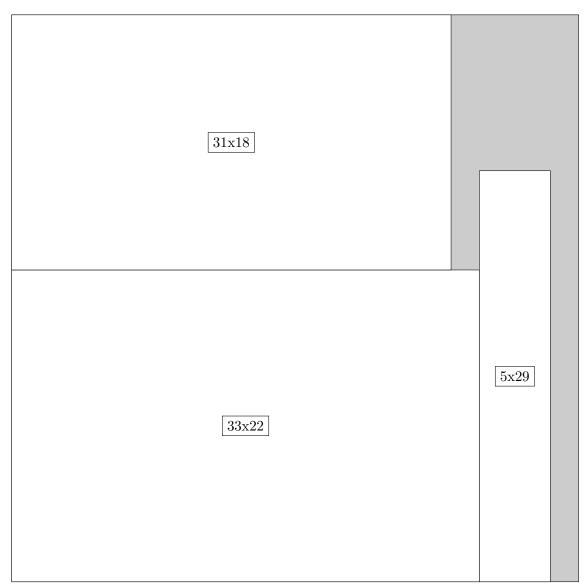
$$w = 26$$
, $h = 28$, $x = 0$, $y = 0$, $v = 728$

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

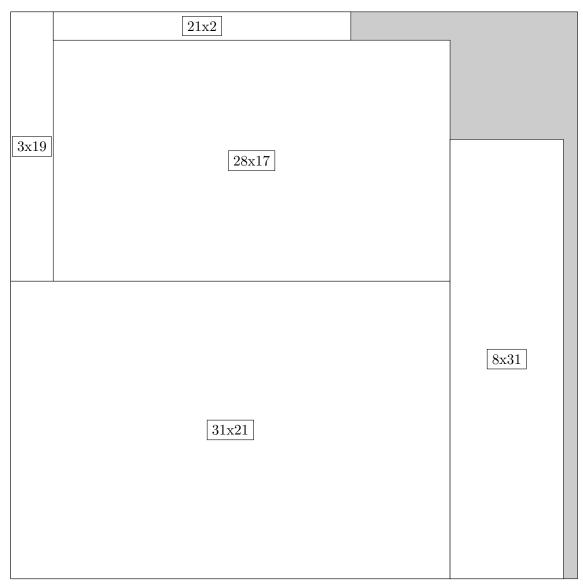
$$\le =26$$
 , $h=10$, $x=0$, $y=28$, $v=260$

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

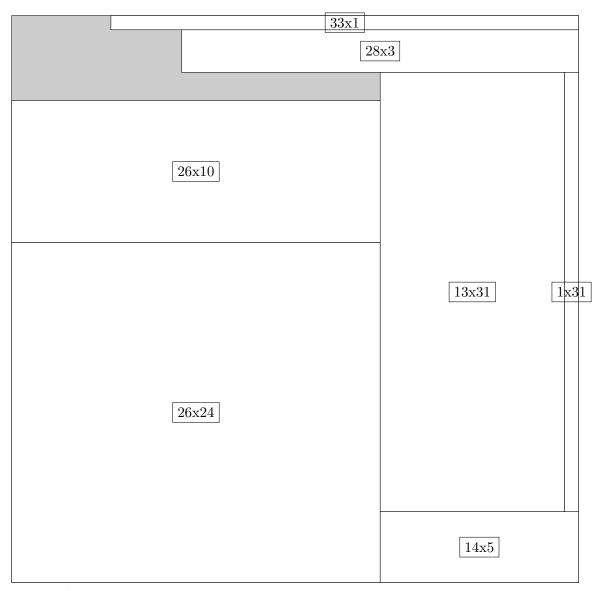
$$\mathbf{w}=\!5$$
 , $\mathbf{h}=\!1$, $\mathbf{x}=\!0$, $\mathbf{y}=\!38$, $\mathbf{v}=\!5$



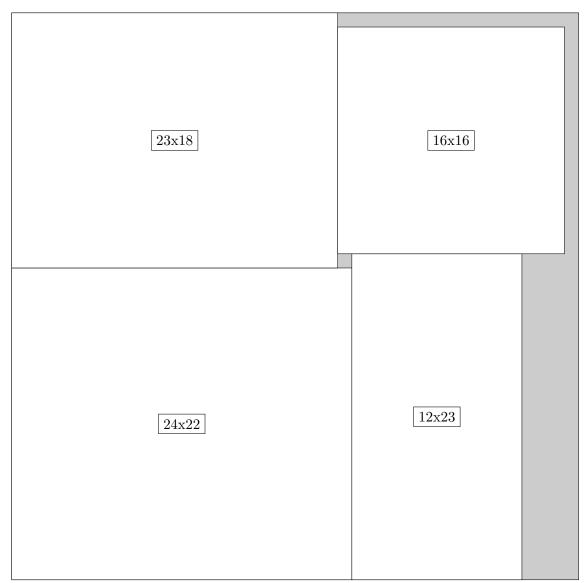
 $\begin{array}{l} w = \! 33 \ , \ h = \! 22 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 726 \\ w = \! 31 \ , \ h = \! 18 \ , \ x = \! 0 \ , \ y = \! 22 \ , \ v = \! 558 \\ w = \! 5 \ , \ h = \! 29 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 145 \end{array}$



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



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

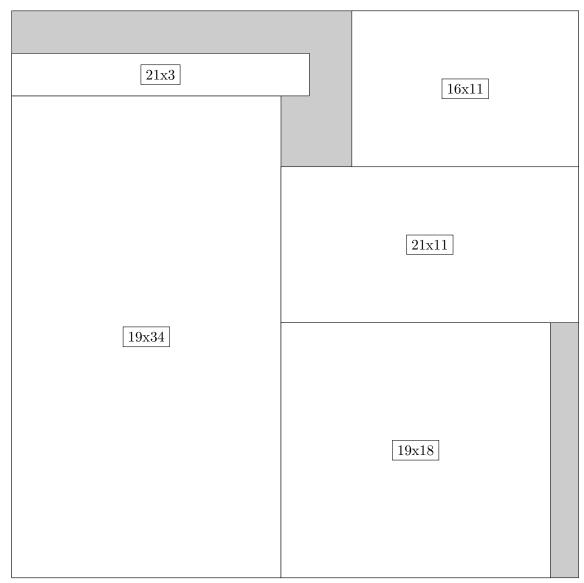


$$\le =24$$
 , h =22 , x =0 , y =0 , v =528

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

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

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



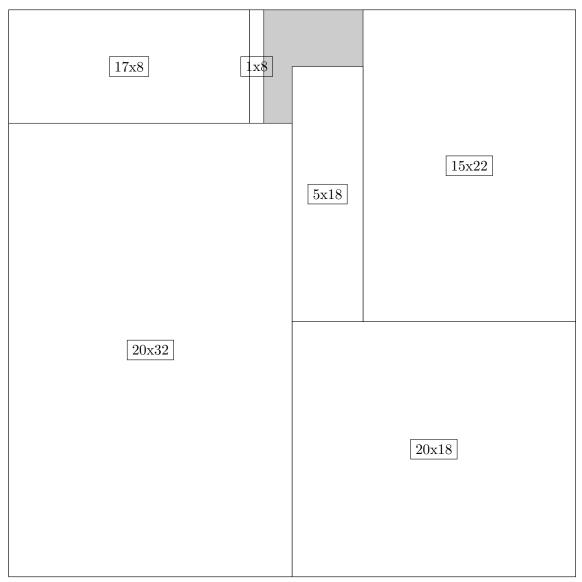
$$\le =19$$
 , $= 34$, $= 0$, $y = 0$, $v = 646$

$$\le =19$$
 , 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

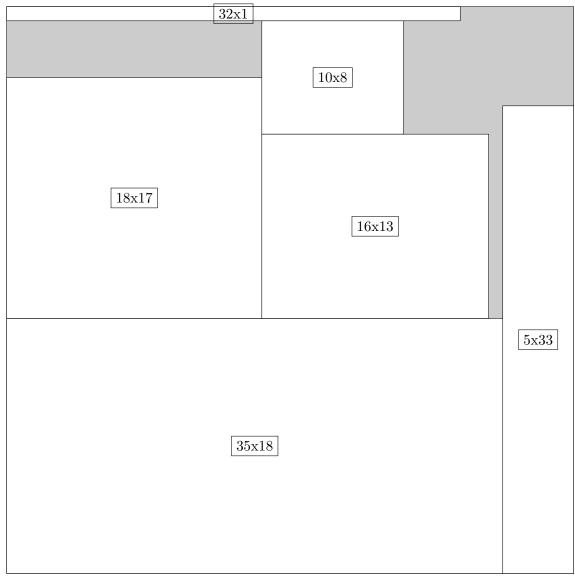
$$\le =17$$
 , h =8 , x =0 , y =32 , v =136

$$w$$
 =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

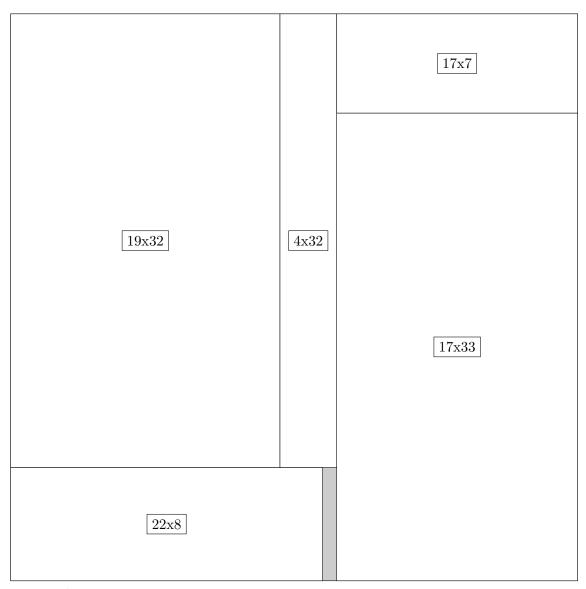
$$\le =18$$
 , h =17 , x =0 , y =18 , v =306

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

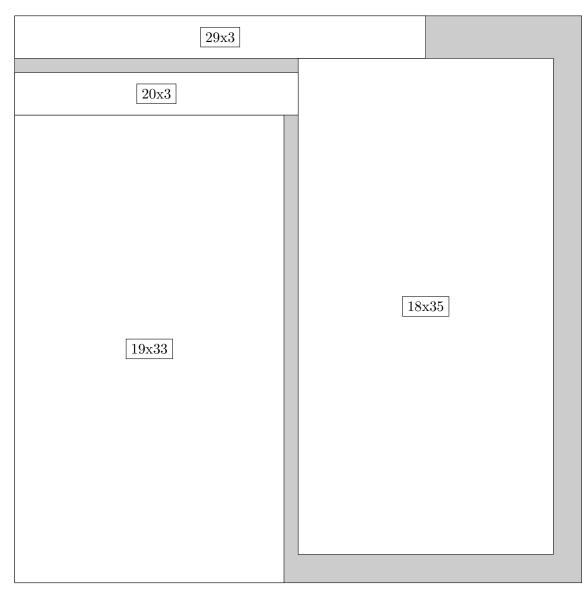
$$\le 5$$
 , h =33 , x =35 , y =0 , v =165

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

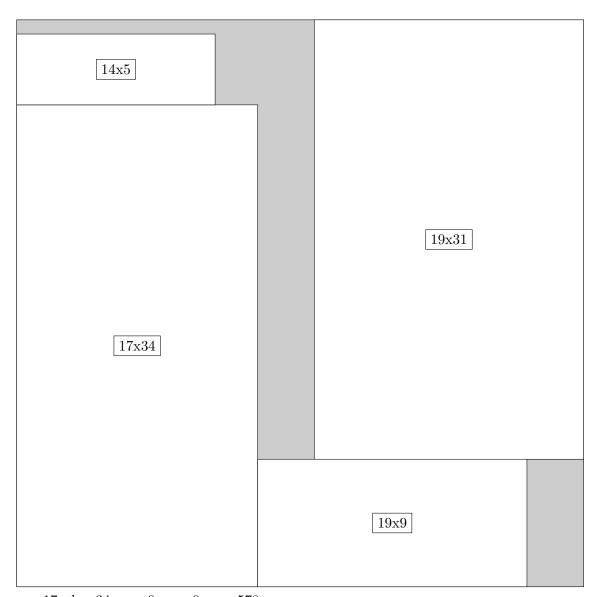
$$\le =32$$
 , h =1 , x =0 , y =39 , v =32



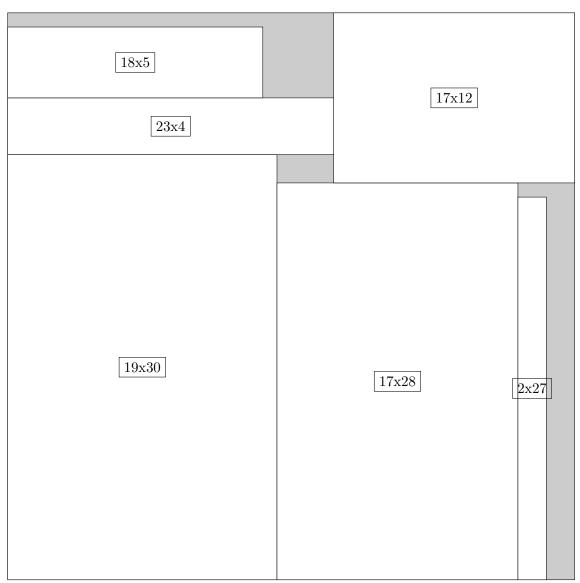
$$\begin{array}{l} w=22\;,\; h=8\;,\; x=0\;,\; y=0\;,\; v=176\\ w=19\;,\; h=32\;,\; x=0\;,\; y=8\;,\; v=608\\ w=17\;,\; h=33\;,\; x=23\;,\; y=0\;,\; v=561\\ w=4\;,\; h=32\;,\; x=19\;,\; y=8\;,\; v=128\\ w=17\;,\; h=7\;,\; x=23\;,\; y=33\;,\; v=119 \end{array}$$



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



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



$$\le =19$$
 , 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

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