$ClassName: {\bf Class_03.2bp\text{-}41}$

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

TypeNum: <u>96</u>
Num: <u>100</u>
OutS: <u>35200</u>
InS: <u>33240</u>
Rate: <u>0.944</u>
UB: <u>22</u>
LB0: <u>22</u>
LB: <u>22</u>

LBWithCut: $\underline{22}$ NodeCut: $\underline{0}$

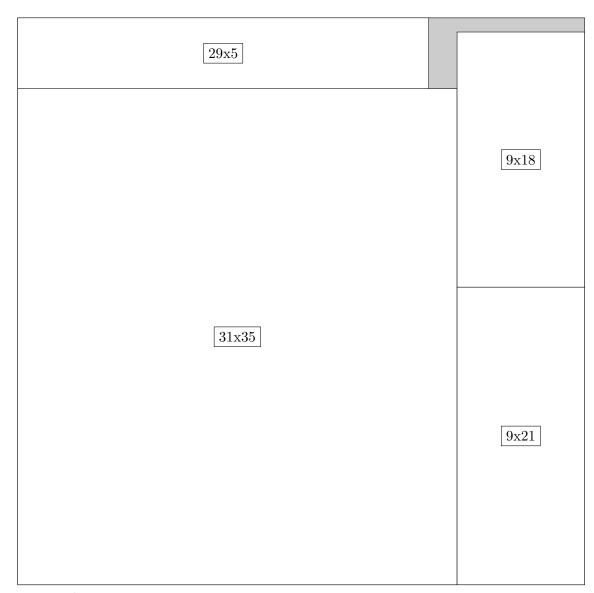
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{22}}$ 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: $\underline{109.700 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 109.841 s



 $\begin{array}{l} w = & 31 \ , \ h = & 35 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 1085 \\ w = & 9 \ , \ h = & 21 \ , \ x = & 31 \ , \ y = & 0 \ , \ v = & 189 \\ w = & 29 \ , \ h = & 5 \ , \ x = & 0 \ , \ y = & 35 \ , \ v = & 145 \\ w = & 9 \ , \ h = & 18 \ , \ x = & 31 \ , \ y = & 21 \ , \ v = & 162 \end{array}$

31x11	4x11	3x2 5x4	Į.
$35 \mathrm{x} 27$		3x27	

$$w = 35$$
, $h = 27$, $x = 0$, $y = 0$, $v = 945$

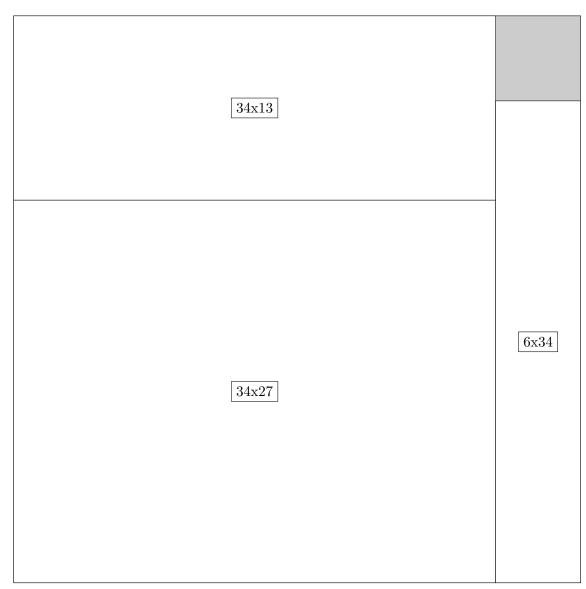
$$\begin{array}{l} w = \! 31 \; , \; h = \! 11 \; , \; x = \! 0 \; , \; y = \! 27 \; , \; v = \! 341 \\ w = \! 3 \; , \; h = \! 27 \; , \; x = \! 35 \; , \; y = \! 0 \; , \; v = \! 81 \end{array}$$

$$w = 3$$
, $h = 27$, $x = 35$, $y = 0$, $v = 81$

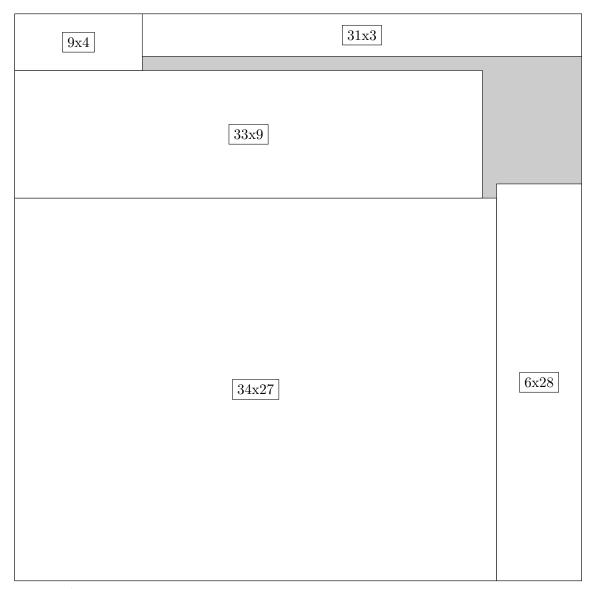
$$w$$
 =4 , h =11 , x =31 , y =27 , v =44

$$w$$
 =5 , h =4 , x =35 , y =27 , v =20

$$\le 3$$
 , h =
2 , x =
35 , y =
31 , v =
6



$$\begin{array}{l} w = \! 34 \; , \; h = \! 27 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 918 \\ w = \! 34 \; , \; h = \! 13 \; , \; x = \! 0 \; , \; y = \! 27 \; , \; v = \! 442 \\ w = \! 6 \; , \; h = \! 34 \; , \; x = \! 34 \; , \; y = \! 0 \; , \; v = \! 204 \end{array}$$



$$\begin{array}{l} w = \!\! 34 \; , \; h = \!\! 27 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 918 \\ w = \!\! 33 \; , \; h = \!\! 9 \; , \; x = \!\! 0 \; , \; y = \!\! 27 \; , \; v = \!\! 297 \\ w = \!\! 9 \; , \; h = \!\! 4 \; , \; x = \!\! 0 \; , \; y = \!\! 36 \; , \; v = \!\! 36 \\ w = \!\! 6 \; , \; h = \!\! 28 \; , \; x = \!\! 34 \; , \; y = \!\! 0 \; , \; v = \!\! 168 \\ w = \!\! 31 \; , \; h = \!\! 3 \; , \; x = \!\! 9 \; , \; y = \!\! 37 \; , \; v = \!\! 93 \end{array}$$

$26 \mathrm{x} 10$	13x10	
29x30	10x30	

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

$$\le =26$$
 , h =10 , x =0 , y =30 , v =260

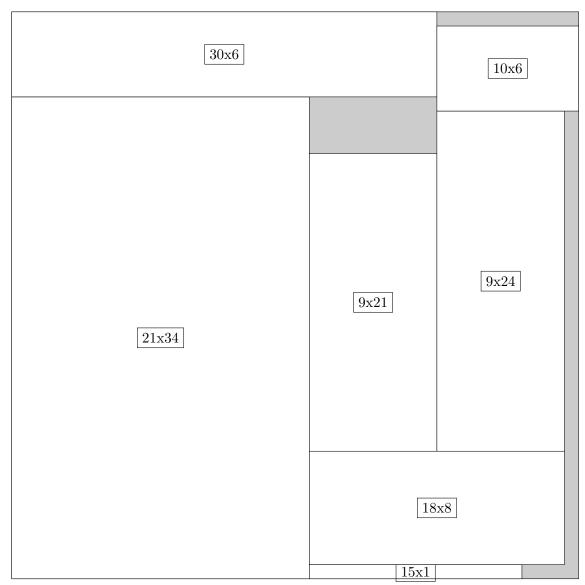
$$\le =10$$
 , h =30 , x =29 , y =0 , v =300

$$\le =13$$
 , h =10 , x =26 , y =30 , v =130

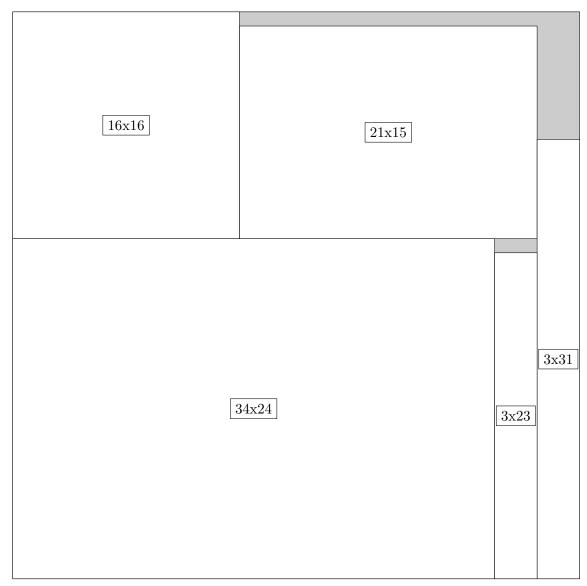
19x7	21x7	
25x33	15x25	

$$w = 15$$
, $h = 25$, $x = 25$, $y = 0$, $v = 375$

$$w$$
 =21 , h =7 , x =19 , y =33 , v =147



```
\begin{array}{l} w = & 21 \;,\; h = & 34 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 714 \\ w = & 15 \;,\; h = & 1 \;,\; x = & 21 \;,\; y = & 0 \;,\; v = & 15 \\ w = & 18 \;,\; h = & 8 \;,\; x = & 21 \;,\; y = & 1 \;,\; v = & 144 \\ w = & 9 \;,\; h = & 21 \;,\; x = & 21 \;,\; y = & 9 \;,\; v = & 189 \\ w = & 30 \;,\; h = & 6 \;,\; x = & 0 \;,\; y = & 34 \;,\; v = & 180 \\ w = & 9 \;,\; h = & 24 \;,\; x = & 30 \;,\; y = & 9 \;,\; v = & 216 \\ w = & 10 \;,\; h = & 6 \;,\; x = & 30 \;,\; y = & 33 \;,\; v = & 60 \end{array}
```



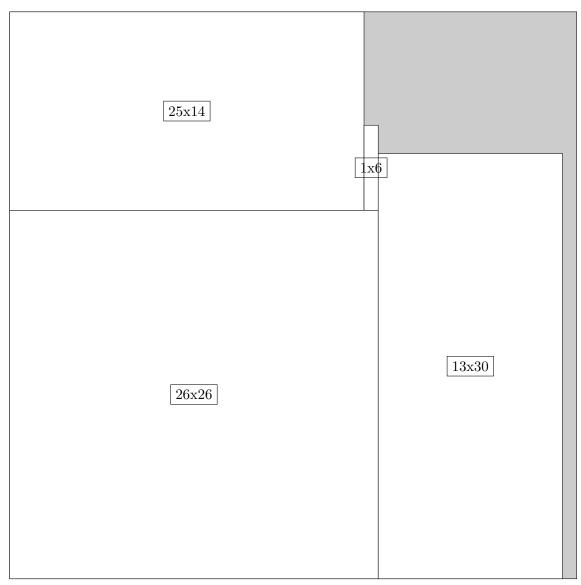
$$\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 24 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 816 \\ w = \!\! 21 \ , \ h = \!\! 15 \ , \ x = \!\! 16 \ , \ y = \!\! 24 \ , \ v = \!\! 315 \end{array}$$

$$w = 16$$
, $h = 16$, $x = 0$, $y = 24$, $v = 256$

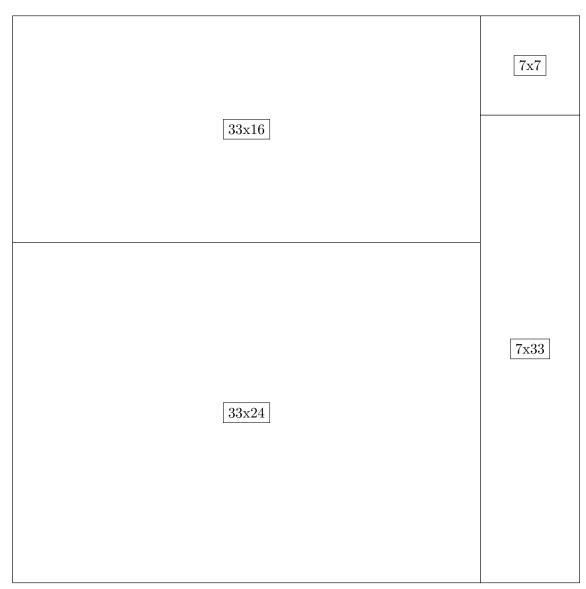
$$W = 10$$
, $h = 10$, $x = 0$, $y = 24$, $v = 250$

$$\mathbf{w}$$
 =3 , h =31 , x =37 , y =0 , v =93

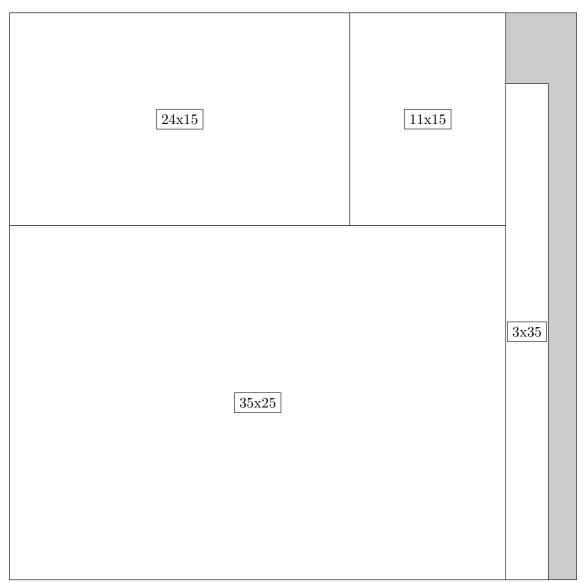
$$w = 3$$
, $h = 23$, $x = 34$, $y = 0$, $v = 69$



 $\begin{array}{l} w=26 \ , \ h=26 \ , \ x=0 \ , \ y=0 \ , \ v=676 \\ w=13 \ , \ h=30 \ , \ x=26 \ , \ y=0 \ , \ v=390 \\ w=25 \ , \ h=14 \ , \ x=0 \ , \ y=26 \ , \ v=350 \\ w=1 \ , \ h=6 \ , \ x=25 \ , \ y=26 \ , \ v=6 \end{array}$



 $\begin{array}{l} w = \! 33 \; , \; h = \! 24 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 792 \\ w = \! 33 \; , \; h = \! 16 \; , \; x = \! 0 \; , \; y = \! 24 \; , \; v = \! 528 \\ w = \! 7 \; , \; h = \! 33 \; , \; x = \! 33 \; , \; y = \! 0 \; , \; v = \! 231 \\ w = \! 7 \; , \; h = \! 7 \; , \; x = \! 33 \; , \; y = \! 33 \; , \; v = \! 49 \end{array}$

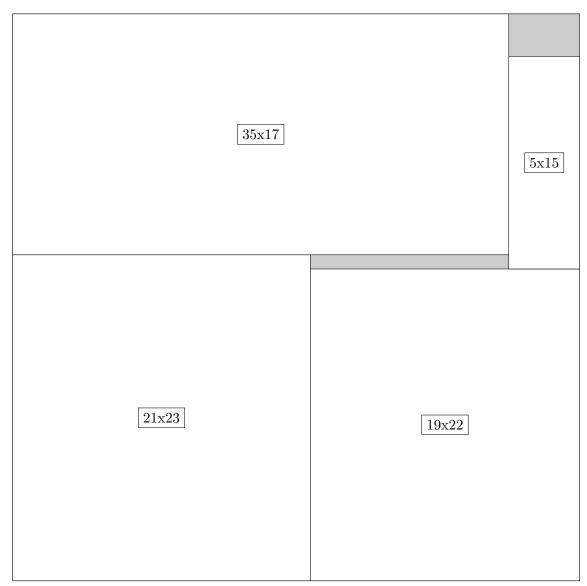


 $\le =35$, h =25 , x =0 , y =0 , v =875

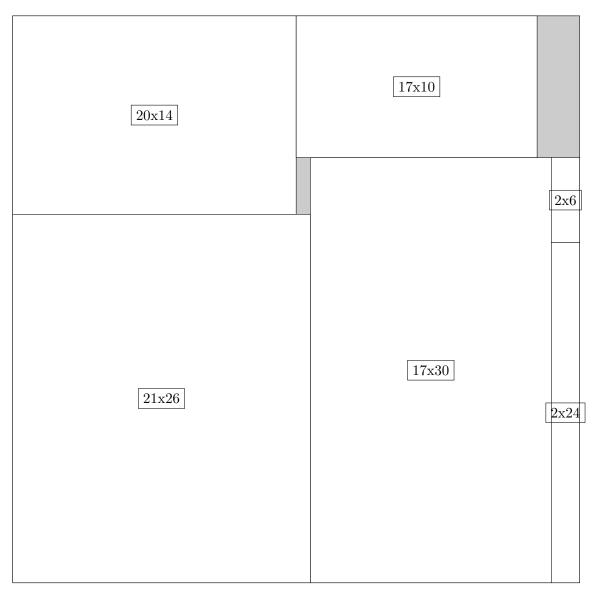
 $\le =24$, h =15 , x =0 , y =25 , v =360

 $\le =11$, h =15 , x =24 , y =25 , v =165

 \mathbf{w} =3 , h =35 , x =35 , y =0 , v =105



$$\begin{array}{l} w=21 \ , \ h=23 \ , \ x=0 \ , \ y=0 \ , \ v=483 \\ w=19 \ , \ h=22 \ , \ x=21 \ , \ y=0 \ , \ v=418 \\ w=35 \ , \ h=17 \ , \ x=0 \ , \ y=23 \ , \ v=595 \\ w=5 \ , \ h=15 \ , \ x=35 \ , \ y=22 \ , \ v=75 \end{array}$$



$$w = 17$$
, $h = 30$, $x = 21$, $y = 0$, $v = 510$

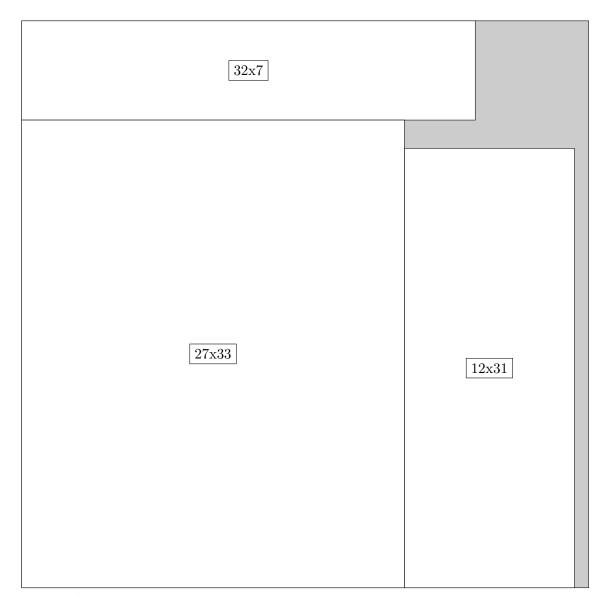
$$\le =20$$
 , $h=14$, $x=0$, $y=26$, $v=280$

$$\le =17$$
 , $h=10$, $x=20$, $y=30$, $v=170$

$$\mathbf{w}$$
 =2 , h =24 , x =38 , y =0 , v =48

$$\le =21$$
 , $h=26$, $x=0$, $y=0$, $v=546$

$$\mathbf{w}$$
 =2 , h =6 , x =38 , y =24 , v =12



$$\begin{array}{l} w = \! 12 \; , \; h = \! 31 \; , \; x = \! 27 \; , \; y = \! 0 \; , \; v = \! 372 \\ w = \! 32 \; , \; h = \! 7 \; , \; x = \! 0 \; , \; y = \! 33 \; , \; v = \! 224 \end{array}$$

$$\le =27$$
 , h =33 , x =0 , y =0 , v =891

28x7	
27x9	12x16
27x24	12x24

$$\mathbf{w}$$
 =27 , \mathbf{h} =24 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =648

$$\le =12$$
 , $h=24$, $x=27$, $y=0$, $v=288$

$$\le =27$$
 , h =9 , x =0 , y =24 , v =243

$$\mathbf{w}$$
 =28 , h =7 , x =0 , y =33 , v =196

$$\mathbf{w}$$
 =12 , h =16 , x =28 , y =24 , v =192

34x17		4x5
$24 \mathrm{x} 23$	8x23	8x23

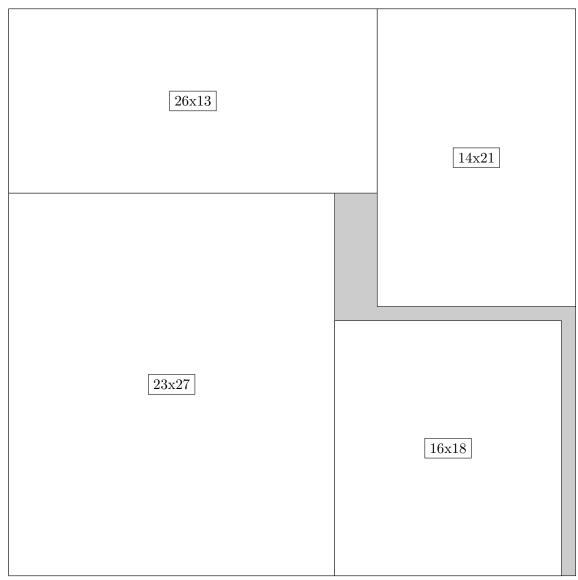
w = 34, h = 17, x = 0, y = 23, v = 578

 $\le =24$, h =23 , x =0 , y =0 , v =552

 $\le =8$, h =23 , x =24 , y =0 , v =184

 $\le =8$, h =23 , x =32 , y =0 , v =184

 $\le =4$, h = 5 , x = 34 , y = 23 , v = 20

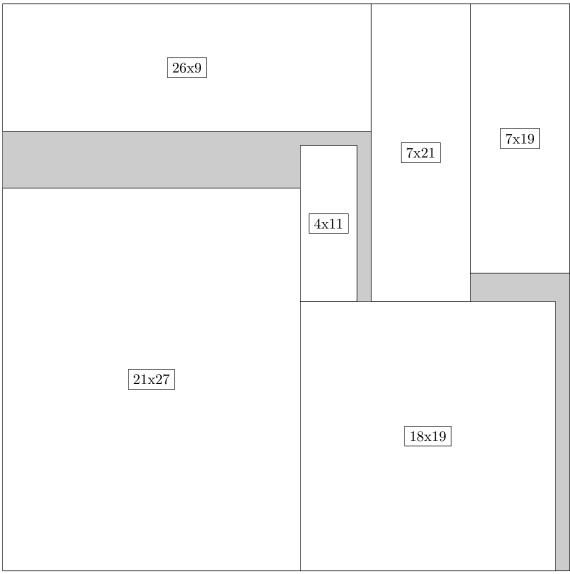


$$\le =23$$
 , h =27 , x =0 , y =0 , v =621

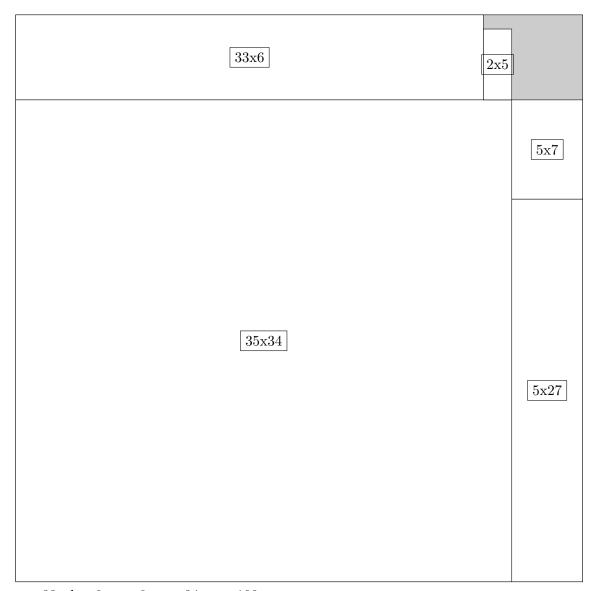
$$\le =26$$
 , h =13 , x =0 , y =27 , v =338

$$\le =14$$
 , $h=21$, $x=26$, $y=19$, $v=294$

$$\le =16$$
 , $h=18$, $x=23$, $y=0$, $v=288$



 $\begin{array}{l} w=21 \ , \ h=27 \ , \ x=0 \ , \ y=0 \ , \ v=567 \\ w=18 \ , \ h=19 \ , \ x=21 \ , \ y=0 \ , \ v=342 \\ w=26 \ , \ h=9 \ , \ x=0 \ , \ y=31 \ , \ v=234 \\ w=4 \ , \ h=11 \ , \ x=21 \ , \ y=19 \ , \ v=44 \\ w=7 \ , \ h=21 \ , \ x=26 \ , \ y=19 \ , \ v=147 \\ w=7 \ , \ h=19 \ , \ x=33 \ , \ y=21 \ , \ v=133 \end{array}$

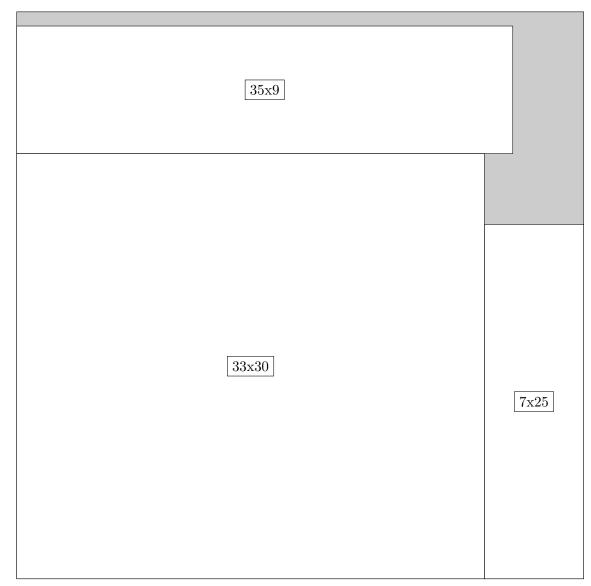


$$\begin{array}{c} w = \!\! 33 \ , \ h = \!\! 6 \ , \ x = \!\! 0 \ , \ y = \!\! 34 \ , \ v = \!\! 198 \\ w = \!\! 5 \ , \ h = \!\! 27 \ , \ x = \!\! 35 \ , \ y = \!\! 0 \ , \ v = \!\! 135 \end{array}$$

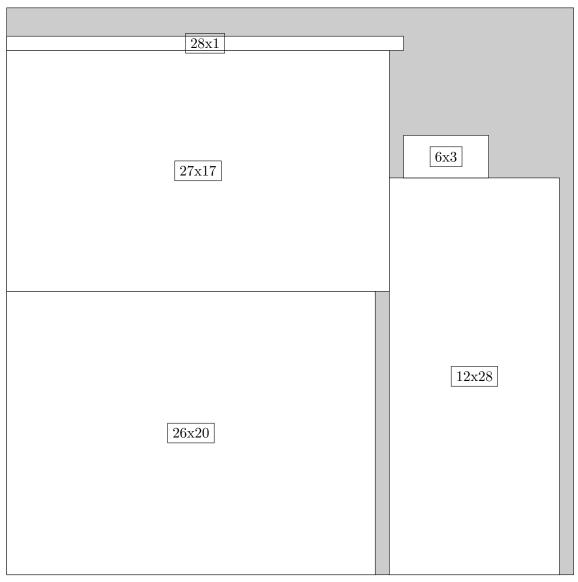
$$w = 5$$
, $h = 7$, $x = 35$, $y = 27$, $v = 35$

$$\mathbf{w}=\!35$$
 , $\mathbf{h}=\!34$, $\mathbf{x}=\!0$, $\mathbf{y}=\!0$, $\mathbf{v}=\!1190$

$$w = 2$$
, $h = 5$, $x = 33$, $y = 34$, $v = 10$



$$\begin{array}{l} w = 7 \ , \ h = \! 25 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 175 \\ w = \! 35 \ , \ h = \! 9 \ , \ x = \! 0 \ , \ y = \! 30 \ , \ v = \! 315 \\ w = \! 33 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 990 \end{array}$$



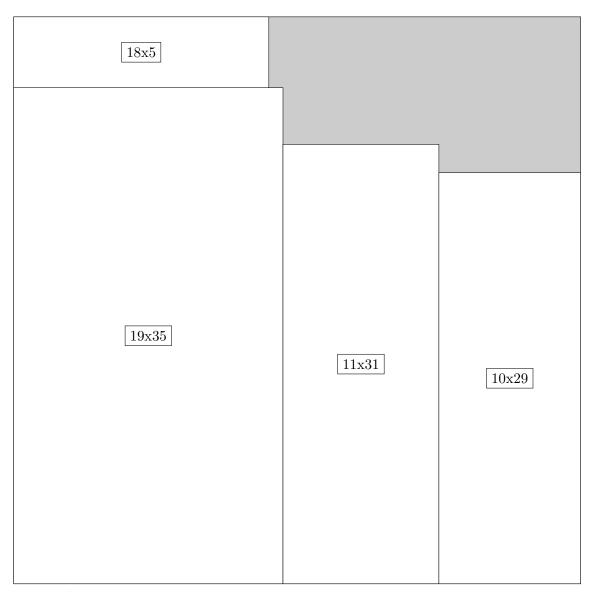
$$w = 26$$
, $h = 20$, $x = 0$, $y = 0$, $v = 520$

$$\le =27$$
 , h =17 , x =0 , y =20 , v =459

$$\le =12$$
 , h =28 , x =27 , y =0 , v =336

$$w = 28$$
, $h = 1$, $x = 0$, $y = 37$, $v = 28$

$$w = 6$$
, $h = 3$, $x = 28$, $y = 28$, $v = 18$



 $\begin{array}{l} w = & 19 \ , \ h = & 35 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 665 \\ w = & 11 \ , \ h = & 31 \ , \ x = & 19 \ , \ y = & 0 \ , \ v = & 341 \\ w = & 10 \ , \ h = & 29 \ , \ x = & 30 \ , \ y = & 0 \ , \ v = & 290 \\ w = & 18 \ , \ h = & 5 \ , \ x = & 0 \ , \ y = & 35 \ , \ v = & 90 \end{array}$