${\bf ClassName:}\ {\bf Class_03.2bp\text{-}38}$

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

TypeNum: <u>78</u>
Num: <u>80</u>
OutS: <u>33600</u>
InS: <u>29756</u>
Rate: <u>0.886</u>
UB: <u>21</u>
LBO: 21

LB0: <u>21</u> LB: <u>21</u>

LBWithCut: $\underline{21}$ NodeCut: $\underline{0}$

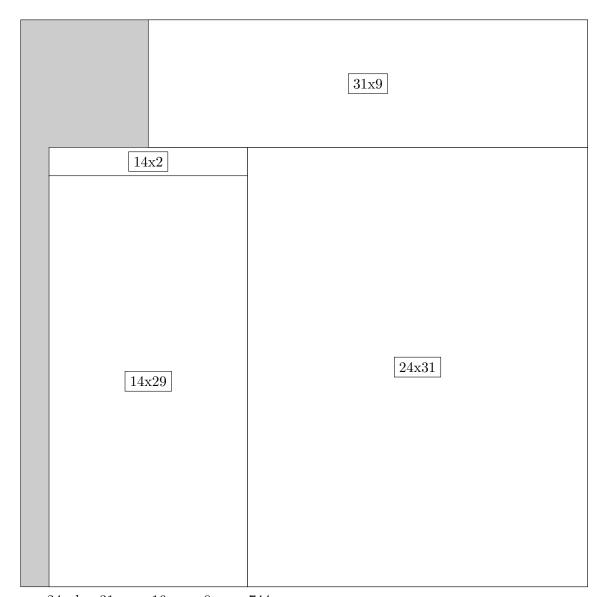
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{21}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

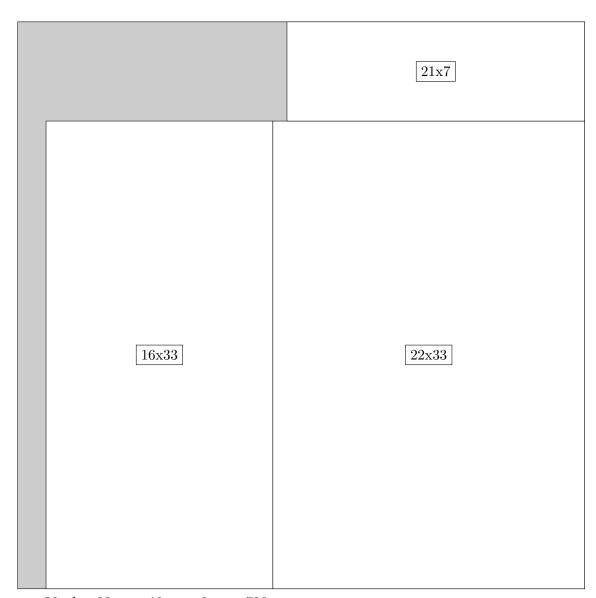
TimeOnInitSolution: $\underline{600.000 \text{ s}}$

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

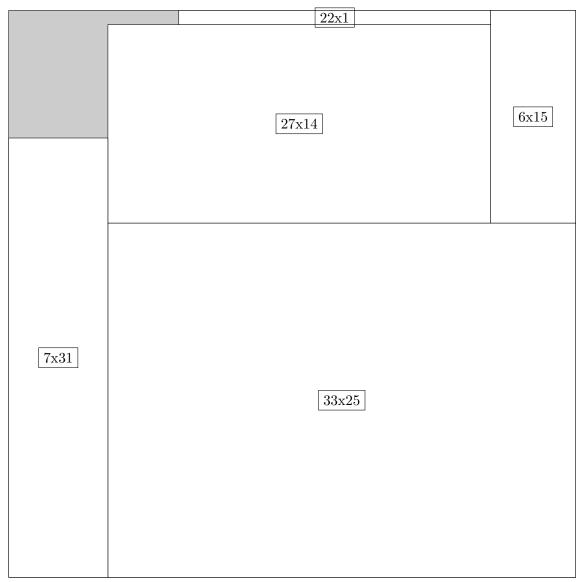


$$\begin{array}{l} w = 24 \; , \; h = \!\! 31 \; , \; x = \!\! 16 \; , \; y = \!\! 0 \; , \; v = \!\! 744 \\ w = \!\! 14 \; , \; h = \!\! 29 \; , \; x = \!\! 2 \; , \; y = \!\! 0 \; , \; v = \!\! 406 \\ w = \!\! 14 \; , \; h = \!\! 2 \; , \; x = \!\! 2 \; , \; y = \!\! 29 \; , \; v = \!\! 28 \end{array}$$

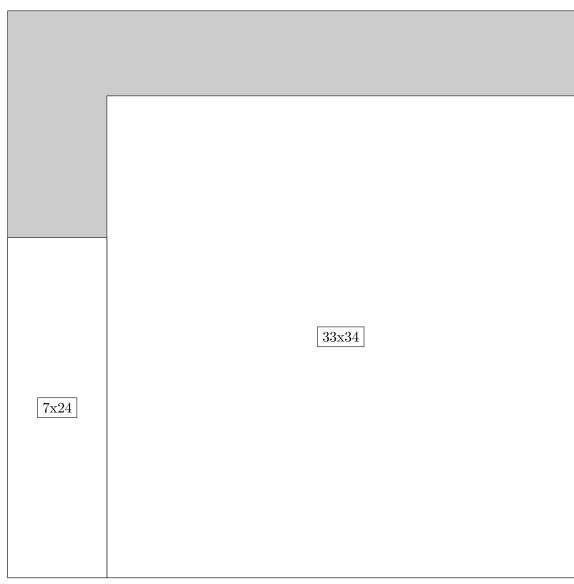
 $\le =31$, h =9 , x =9 , y =31 , v =279



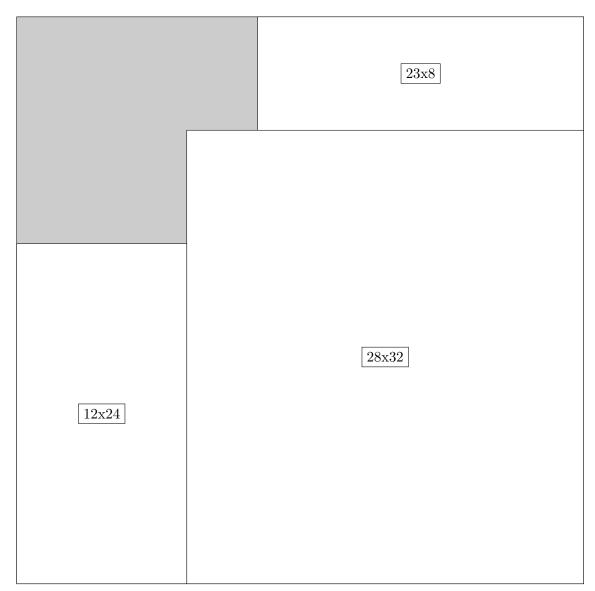
$$\begin{array}{l} w = 22 \; , \; h = 33 \; , \; x = 18 \; , \; y = 0 \; , \; v = 726 \\ w = 16 \; , \; h = 33 \; , \; x = 2 \; , \; y = 0 \; , \; v = 528 \\ w = 21 \; , \; h = 7 \; , \; x = 19 \; , \; y = 33 \; , \; v = 147 \end{array}$$



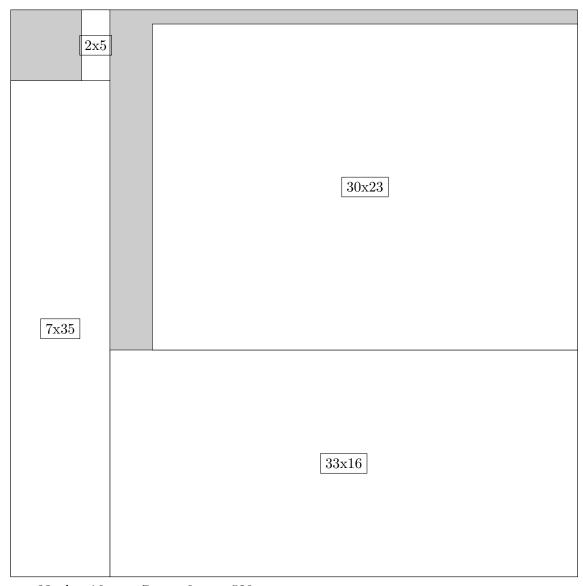
 $\begin{array}{l} w = \! 33 \; , \; h = \! 25 \; , \; x = \! 7 \; , \; y = \! 0 \; , \; v = \! 825 \\ w = \! 6 \; , \; h = \! 15 \; , \; x = \! 34 \; , \; y = \! 25 \; , \; v = \! 90 \\ w = \! 27 \; , \; h = \! 14 \; , \; x = \! 7 \; , \; y = \! 25 \; , \; v = \! 378 \\ w = \! 22 \; , \; h = \! 1 \; , \; x = \! 12 \; , \; y = \! 39 \; , \; v = \! 22 \\ w = \! 7 \; , \; h = \! 31 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 217 \end{array}$



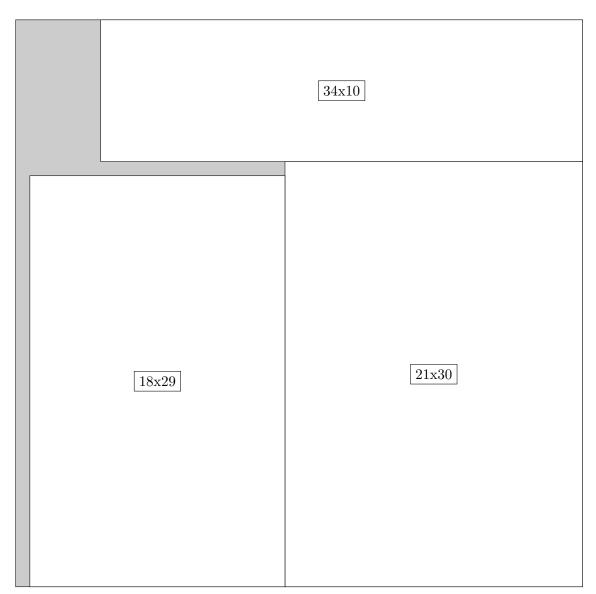
w =33, h =34, x =7, y =0, v =1122 w =7, h =24, x =0, y =0, v =168



$$\begin{array}{l} w = 28 \; , \; h = 32 \; , \; x = 12 \; , \; y = 0 \; , \; v = 896 \\ w = 12 \; , \; h = 24 \; , \; x = 0 \; , \; y = 0 \; , \; v = 288 \\ w = 23 \; , \; h = 8 \; , \; x = 17 \; , \; y = 32 \; , \; v = 184 \end{array}$$

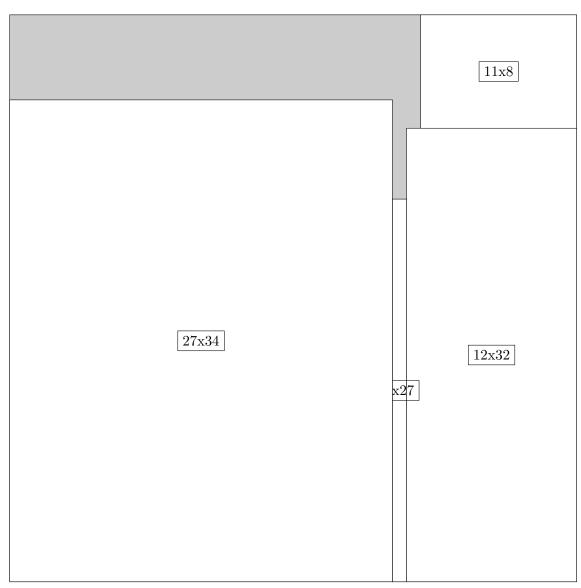


 $\begin{array}{l} w = \!\! 33 \ , \ h = \!\! 16 \ , \ x = \!\! 7 \ , \ y = \!\! 0 \ , \ v = \!\! 528 \\ w = \!\! 30 \ , \ h = \!\! 23 \ , \ x = \!\! 10 \ , \ y = \!\! 16 \ , \ v = \!\! 690 \\ w = \!\! 7 \ , \ h = \!\! 35 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 245 \\ w = \!\! 2 \ , \ h = \!\! 5 \ , \ x = \!\! 5 \ , \ y = \!\! 35 \ , \ v = \!\! 10 \end{array}$

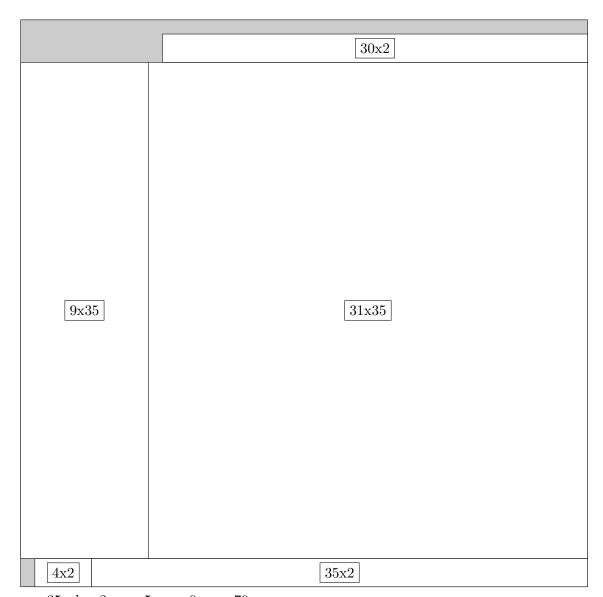


$$\begin{array}{l} w = \! 21 \ , \ h = \! 30 \ , \ x = \! 19 \ , \ y = \! 0 \ , \ v = \! 630 \\ w = \! 18 \ , \ h = \! 29 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 522 \end{array}$$

$$\le =34$$
 , h =10 , x =6 , y =30 , v =340



 $\begin{array}{l} w = & 12 \ , \ h = & 32 \ , \ x = & 28 \ , \ y = & 0 \ , \ v = & 384 \\ w = & 1 \ , \ h = & 27 \ , \ x = & 27 \ , \ y = & 0 \ , \ v = & 27 \\ w = & 11 \ , \ h = & 8 \ , \ x = & 29 \ , \ y = & 32 \ , \ v = & 88 \\ w = & 27 \ , \ h = & 34 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 918 \end{array}$

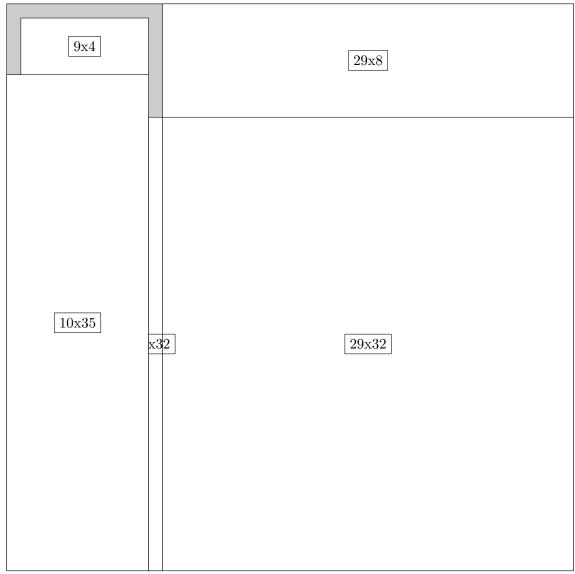


$$\begin{array}{c} w = \! 35 \; , \; h = \! 2 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 70 \\ w = \! 4 \; , \; h = \! 2 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 8 \\ \end{array}$$

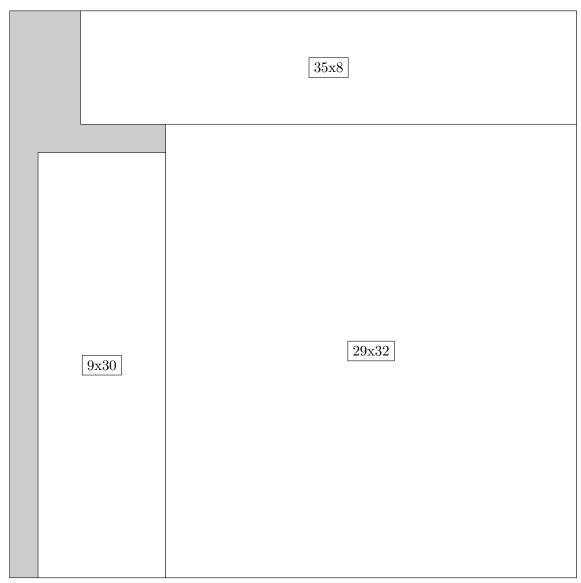
$$\le =31$$
 , h =35 , x =9 , y =2 , v =1085

$$\mathbf{w}=\!30$$
 , $\mathbf{h}=\!2$, $\mathbf{x}=\!10$, $\mathbf{y}=\!37$, $\mathbf{v}=\!60$

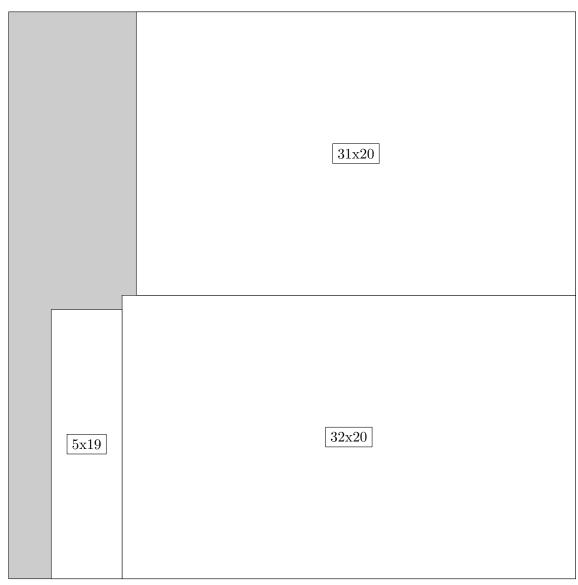
$$\le =9$$
 , h =35 , x =0 , y =2 , v =315



 $\begin{array}{l} w=29 \ , \ h=32 \ , \ x=11 \ , \ y=0 \ , \ v=928 \\ w=1 \ , \ h=32 \ , \ x=10 \ , \ y=0 \ , \ v=32 \\ w=29 \ , \ h=8 \ , \ x=11 \ , \ y=32 \ , \ v=232 \\ w=10 \ , \ h=35 \ , \ x=0 \ , \ y=0 \ , \ v=350 \\ w=9 \ , \ h=4 \ , \ x=1 \ , \ y=35 \ , \ v=36 \end{array}$



 $\begin{array}{l} w=29 \ , \ h=32 \ , \ x=11 \ , \ y=0 \ , \ v=928 \\ w=9 \ , \ h=30 \ , \ x=2 \ , \ y=0 \ , \ v=270 \\ w=35 \ , \ h=8 \ , \ x=5 \ , \ y=32 \ , \ v=280 \end{array}$



$$\begin{array}{l} w = 32 \; , \; h = 20 \; , \; x = 8 \; , \; y = 0 \; , \; v = 640 \\ w = 5 \; , \; h = 19 \; , \; x = 3 \; , \; y = 0 \; , \; v = 95 \\ w = 31 \; , \; h = 20 \; , \; x = 9 \; , \; y = 20 \; , \; v = 620 \end{array}$$

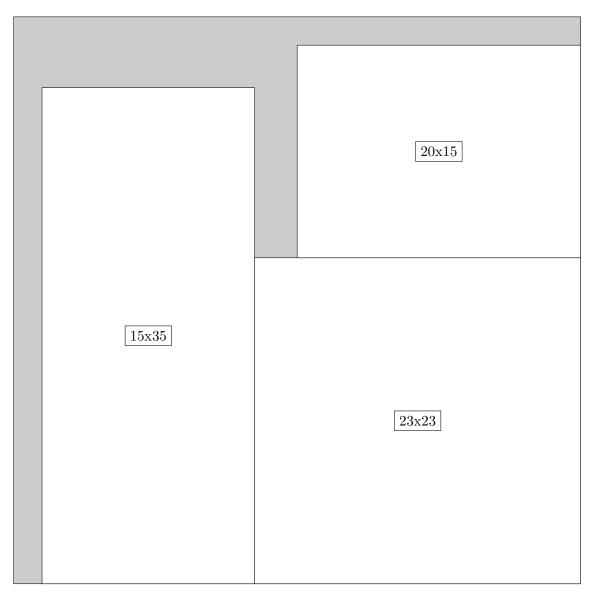


 $\begin{array}{l} w = & 32 \;,\; h = & 22 \;,\; x = & 8 \;,\; y = & 0 \;,\; v = & 704 \\ w = & 7 \;,\; h = & 20 \;,\; x = & 1 \;,\; y = & 0 \;,\; v = & 140 \\ w = & 1 \;,\; h = & 15 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 15 \\ w = & 30 \;,\; h = & 18 \;,\; x = & 10 \;,\; y = & 22 \;,\; v = & 540 \end{array}$

$34\mathrm{x}11$				
19x29			21x29	

$$\begin{array}{l} w = \! 21 \ , \ h = \! 29 \ , \ x = \! 19 \ , \ y = \! 0 \ , \ v = \! 609 \\ w = \! 19 \ , \ h = \! 29 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 551 \end{array}$$

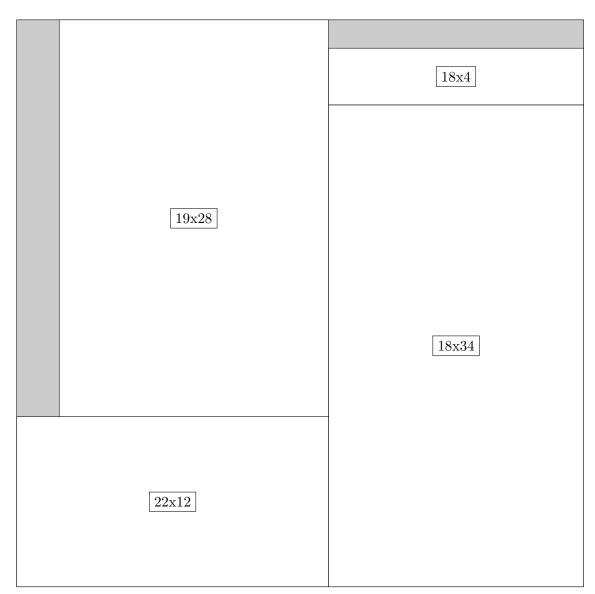
$$w = 34$$
, $h = 11$, $x = 6$, $y = 29$, $v = 374$



$$\le =23$$
 , h =23 , x =17 , y =0 , v =529

$$\le =20$$
 , h =15 , x =20 , y =23 , v =300

$$\le =15$$
 , h =35 , x =2 , y =0 , v =525

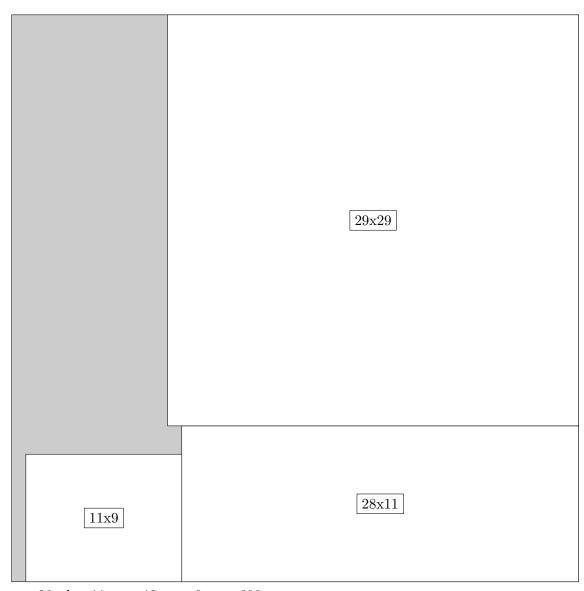


$$\begin{array}{l} w = \! 18 \; , \; h = \! 34 \; , \; x = \! 22 \; , \; y = \! 0 \; , \; v = \! 612 \\ w = \! 18 \; , \; h = \! 4 \; , \; x = \! 22 \; , \; y = \! 34 \; , \; v = \! 72 \end{array}$$

$$\le =22$$
 , h =12 , x =0 , y =0 , v =
264

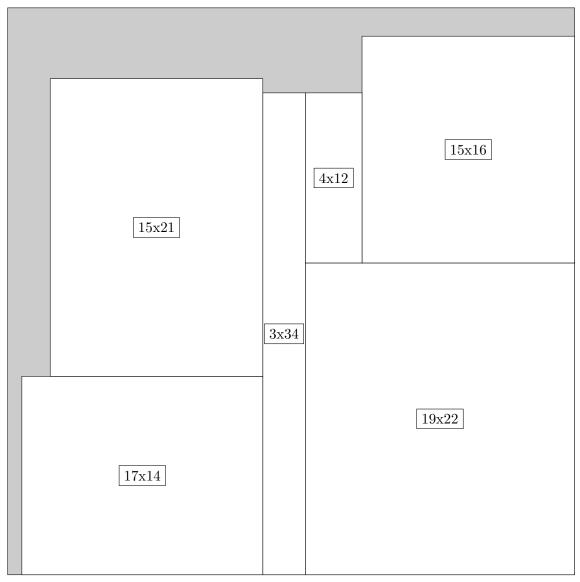
$$W = 22$$
, $h = 12$, $x = 0$, $y = 0$, $v = 204$

$$\mathbf{w}$$
 =19 , h =28 , x =3 , y =12 , v =532

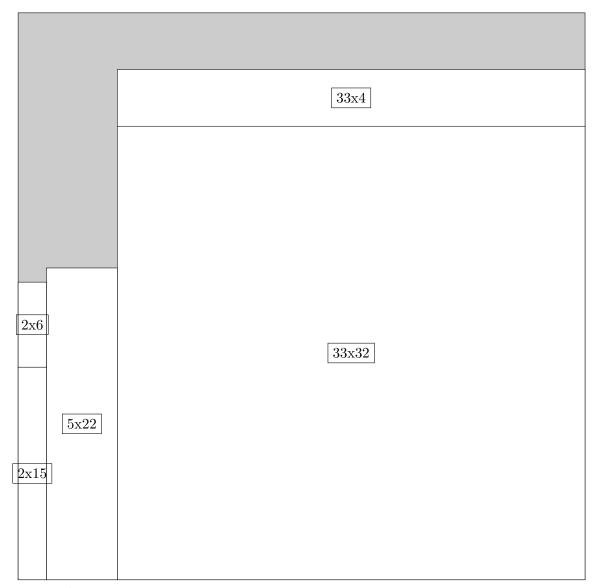


$$\mathbf{w}$$
 =11 , h =9 , x =1 , y =0 , v =99

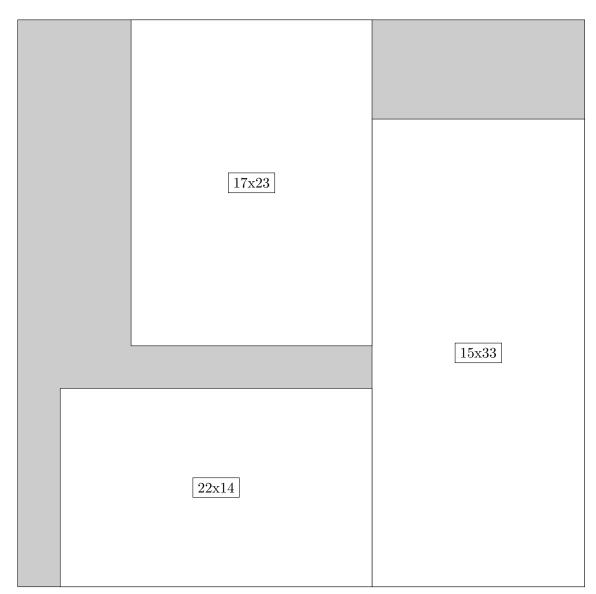
$$\le =29$$
 , h =29 , x =11 , y =11 , v =841



 $\begin{array}{l} w = 19 \ , \ h = 22 \ , \ x = 21 \ , \ y = 0 \ , \ v = 418 \\ w = 15 \ , \ h = 16 \ , \ x = 25 \ , \ y = 22 \ , \ v = 240 \\ w = 4 \ , \ h = 12 \ , \ x = 21 \ , \ y = 22 \ , \ v = 48 \\ w = 3 \ , \ h = 34 \ , \ x = 18 \ , \ y = 0 \ , \ v = 102 \\ w = 17 \ , \ h = 14 \ , \ x = 1 \ , \ y = 0 \ , \ v = 238 \\ w = 15 \ , \ h = 21 \ , \ x = 3 \ , \ y = 14 \ , \ v = 315 \end{array}$

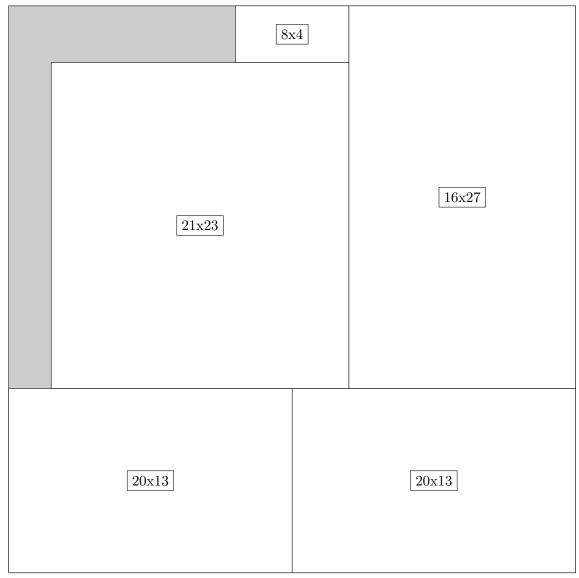


 $\begin{array}{l} w = 33 \; , \; h = 32 \; , \; x = 7 \; , \; y = 0 \; , \; v = 1056 \\ w = 33 \; , \; h = 4 \; , \; x = 7 \; , \; y = 32 \; , \; v = 132 \\ w = 5 \; , \; h = 22 \; , \; x = 2 \; , \; y = 0 \; , \; v = 110 \\ w = 2 \; , \; h = 15 \; , \; x = 0 \; , \; y = 0 \; , \; v = 30 \\ w = 2 \; , \; h = 6 \; , \; x = 0 \; , \; y = 15 \; , \; v = 12 \end{array}$



$$\begin{array}{l} w = \! 15 \ , \ h = \! 33 \ , \ x = \! 25 \ , \ y = \! 0 \ , \ v = \! 495 \\ w = \! 22 \ , \ h = \! 14 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 308 \end{array}$$

$$w = 17$$
, $h = 23$, $x = 8$, $y = 17$, $v = 391$



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

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

$$\mathbf{w}$$
 =16 , h =27 , x =24 , y =13 , v =432

$$\le =21$$
 , h =23 , x =3 , y =13 , v =483

$$w = 8$$
, $h = 4$, $x = 16$, $y = 36$, $v = 32$