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

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>

LB0: **21** LB: **21**

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

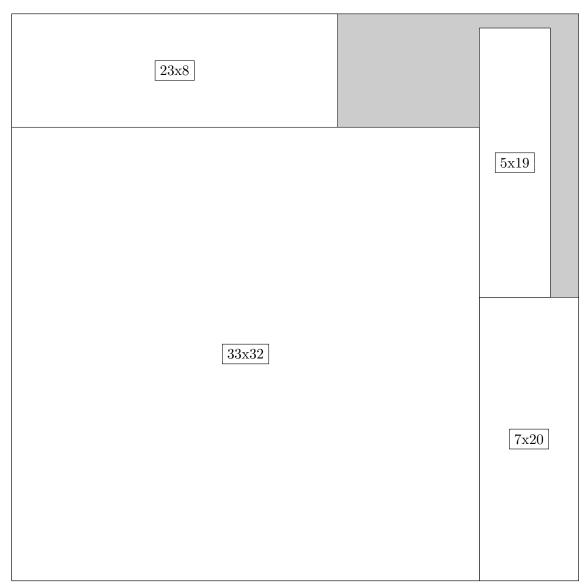
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

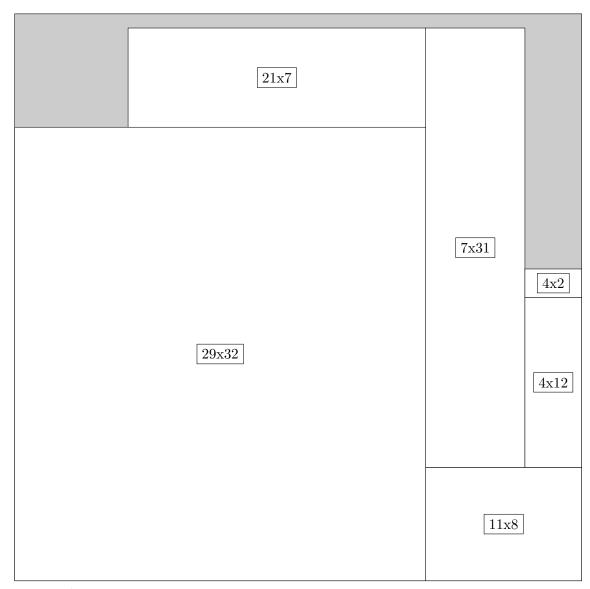
isOpt: $\underline{\mathbf{true}}$

TimeOnInitSolution: $\underline{11.260 \text{ s}}$

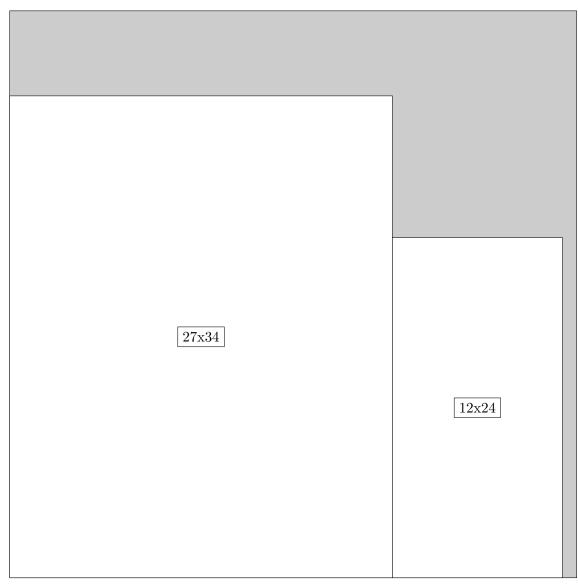
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 11.385 s

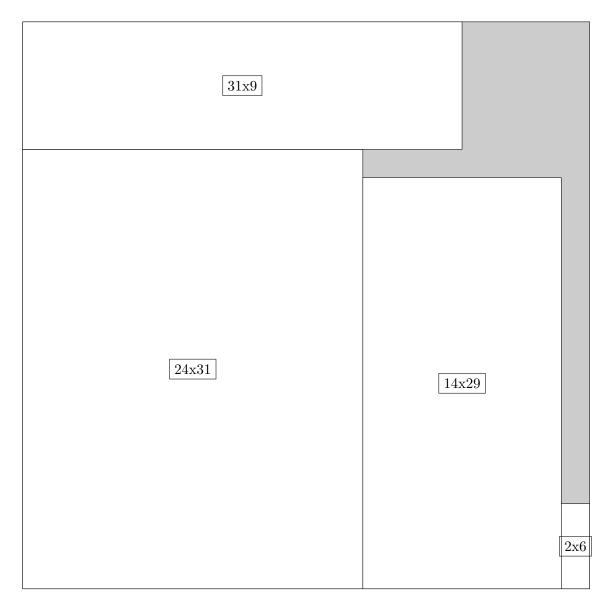


 $\begin{array}{l} w=7\ ,\ h=20\ ,\ x=33\ ,\ y=0\ ,\ v=140\\ w=33\ ,\ h=32\ ,\ x=0\ ,\ y=0\ ,\ v=1056\\ w=23\ ,\ h=8\ ,\ x=0\ ,\ y=32\ ,\ v=184\\ w=5\ ,\ h=19\ ,\ x=33\ ,\ y=20\ ,\ v=95 \end{array}$



$$\begin{array}{l} w=29 \ , \ h=32 \ , \ x=0 \ , \ y=0 \ , \ v=928 \\ w=11 \ , \ h=8 \ , \ x=29 \ , \ y=0 \ , \ v=88 \\ w=7 \ , \ h=31 \ , \ x=29 \ , \ y=8 \ , \ v=217 \\ w=21 \ , \ h=7 \ , \ x=8 \ , \ y=32 \ , \ v=147 \\ w=4 \ , \ h=12 \ , \ x=36 \ , \ y=8 \ , \ v=48 \\ w=4 \ , \ h=2 \ , \ x=36 \ , \ y=20 \ , \ v=8 \end{array}$$





$$\begin{array}{l} w = 24 \ , \ h = 31 \ , \ x = 0 \ , \ y = 0 \ , \ v = 744 \\ w = 14 \ , \ h = 29 \ , \ x = 24 \ , \ y = 0 \ , \ v = 406 \\ w = 31 \ , \ h = 9 \ , \ x = 0 \ , \ y = 31 \ , \ v = 279 \\ w = 2 \ , \ h = 6 \ , \ x = 38 \ , \ y = 0 \ , \ v = 12 \end{array}$$

| | 14x2 |
|-------|--------|
| | [18x4] |
| 22x1 | |
| | |
| | |
| | |
| 2222 | 18x34 |
| 22x33 | |
| | |
| | |
| | |
| | |

$$\begin{array}{l} w = 22 \; , \; h = \!\! 33 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 726 \\ w = \!\! 18 \; , \; h = \!\! 34 \; , \; x = \!\! 22 \; , \; y = \!\! 0 \; , \; v = \!\! 612 \end{array}$$

$$\le =18$$
 , h =4 , x =22 , y =34 , v =72

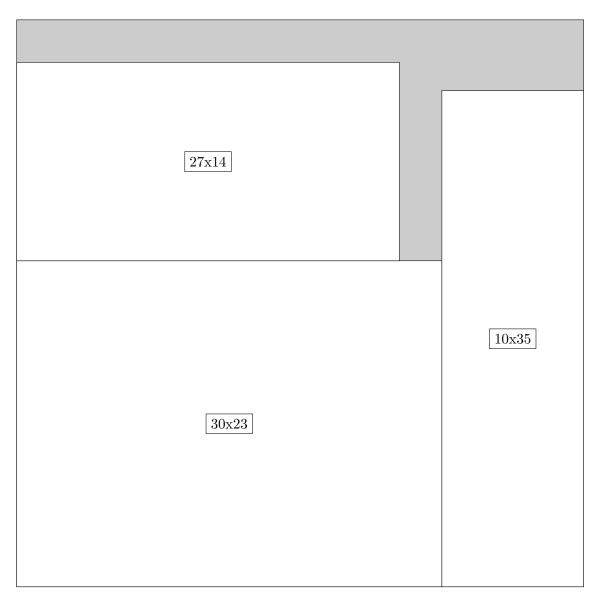
$$w = 14$$
, $h = 2$, $x = 26$, $y = 38$, $v = 28$

$$w = 22$$
, $h = 1$, $x = 0$, $y = 33$, $v = 22$

| 28x32 12x32 | | 35x8 | |
|-------------|-------|------|-------|
| | 28x32 | | 12x32 |

$$\begin{array}{l} w = & 12 \ , \ h = & 32 \ , \ x = & 28 \ , \ y = & 0 \ , \ v = & 384 \\ w = & 28 \ , \ h = & 32 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 896 \end{array}$$

$$w = 35$$
, $h = 8$, $x = 5$, $y = 32$, $v = 280$



$$w = 30$$
, $h = 23$, $x = 0$, $y = 0$, $v = 690$

$$\le =27$$
 , h =14 , x =0 , y =23 , v =378

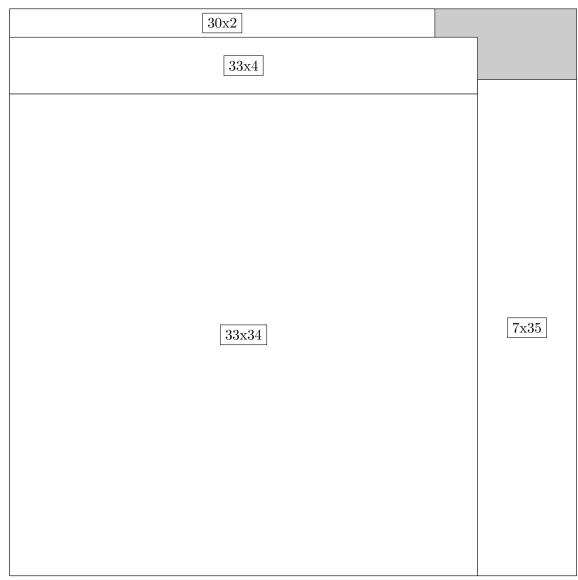
$$\le =10$$
 , h =35 , x =30 , y =0 , v =350

| 35x2 | |
|---------------|------|
| 35x2 31x35 | 9x35 |
| | |

$$\begin{array}{l} w = & 31 \;,\; h = & 35 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 1085 \\ w = & 9 \;,\; h = & 35 \;,\; x = & 31 \;,\; y = & 0 \;,\; v = & 315 \\ w = & 35 \;,\; h = & 2 \;,\; x = & 0 \;,\; y = & 35 \;,\; v = & 70 \end{array}$$

| | 343 | x11 | |
|-------|-----|-----|----|
| 21x29 | | 19x | 29 |
| | | | |

$$\begin{array}{l} w = 19 \ , \ h = 29 \ , \ x = 21 \ , \ y = 0 \ , \ v = 551 \\ w = 21 \ , \ h = 29 \ , \ x = 0 \ , \ y = 0 \ , \ v = 609 \\ w = 34 \ , \ h = 11 \ , \ x = 6 \ , \ y = 29 \ , \ v = 374 \end{array}$$

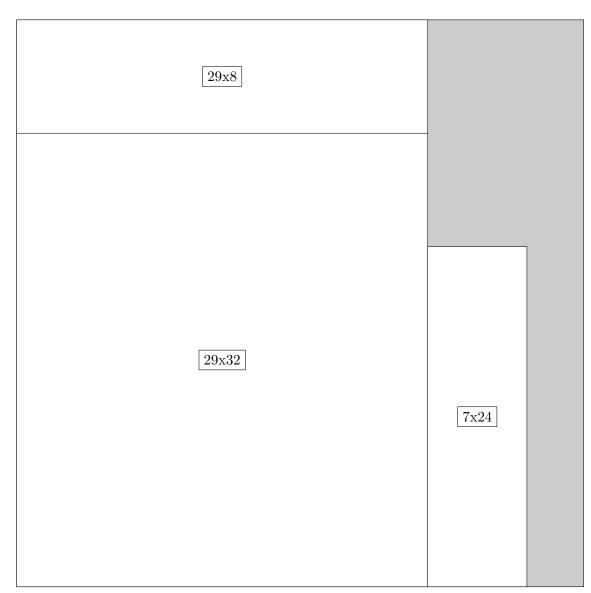


$$\le =33$$
 , h =34 , x =0 , y =0 , v =1122

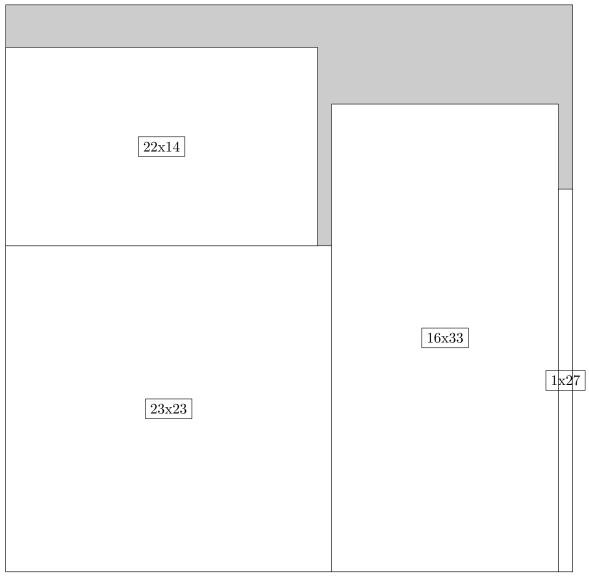
$$w$$
 =7 , h =35 , x =33 , y =0 , v =245

$$\le =33$$
 , h =4 , x =0 , y =34 , v =132

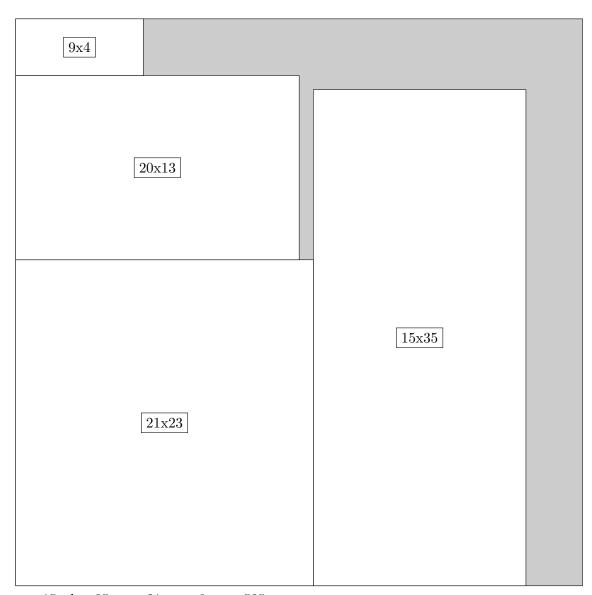
$$\mathbf{w}$$
 =30 , h =2 , x =0 , y =38 , v =60



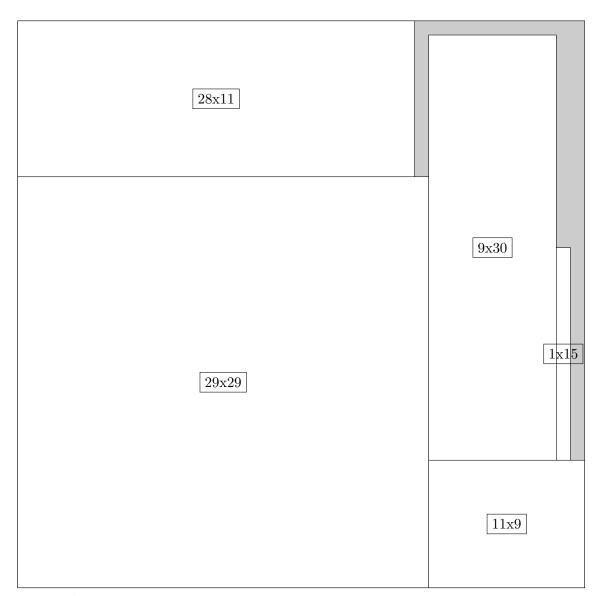
$$\begin{array}{l} w = 29 \ , \ h = 32 \ , \ x = 0 \ , \ y = 0 \ , \ v = 928 \\ w = 7 \ , \ h = 24 \ , \ x = 29 \ , \ y = 0 \ , \ v = 168 \\ w = 29 \ , \ h = 8 \ , \ x = 0 \ , \ y = 32 \ , \ v = 232 \end{array}$$



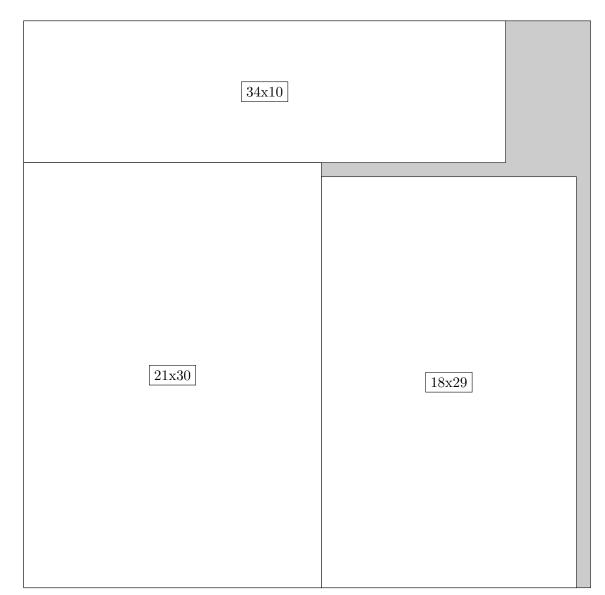
$$\begin{array}{l} w=23 \ , \ h=23 \ , \ x=0 \ , \ y=0 \ , \ v=529 \\ w=16 \ , \ h=33 \ , \ x=23 \ , \ y=0 \ , \ v=528 \\ w=22 \ , \ h=14 \ , \ x=0 \ , \ y=23 \ , \ v=308 \\ w=1 \ , \ h=27 \ , \ x=39 \ , \ y=0 \ , \ v=27 \end{array}$$



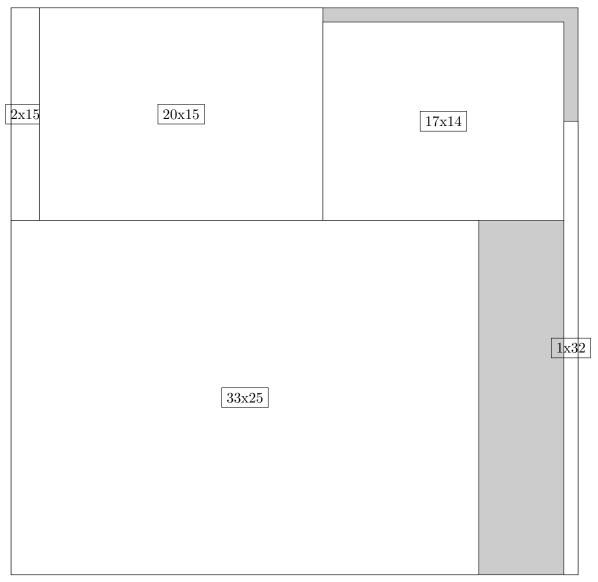
$$\begin{array}{l} w = \! 15 \ , \ h = \! 35 \ , \ x = \! 21 \ , \ y = \! 0 \ , \ v = \! 525 \\ w = \! 21 \ , \ h = \! 23 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 483 \\ w = \! 20 \ , \ h = \! 13 \ , \ x = \! 0 \ , \ y = \! 23 \ , \ v = \! 260 \\ w = \! 9 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 36 \ , \ v = \! 36 \end{array}$$



$$\begin{array}{l} w=29 \ , \ h=29 \ , \ x=0 \ , \ y=0 \ , \ v=841 \\ w=28 \ , \ h=11 \ , \ x=0 \ , \ y=29 \ , \ v=308 \\ w=11 \ , \ h=9 \ , \ x=29 \ , \ y=0 \ , \ v=99 \\ w=9 \ , \ h=30 \ , \ x=29 \ , \ y=9 \ , \ v=270 \\ w=1 \ , \ h=15 \ , \ x=38 \ , \ y=9 \ , \ v=15 \end{array}$$



$$\begin{array}{l} w = 18 \ , \ h = 29 \ , \ x = 21 \ , \ y = 0 \ , \ v = 522 \\ w = 34 \ , \ h = 10 \ , \ x = 0 \ , \ y = 30 \ , \ v = 340 \\ w = 21 \ , \ h = 30 \ , \ x = 0 \ , \ y = 0 \ , \ v = 630 \end{array}$$



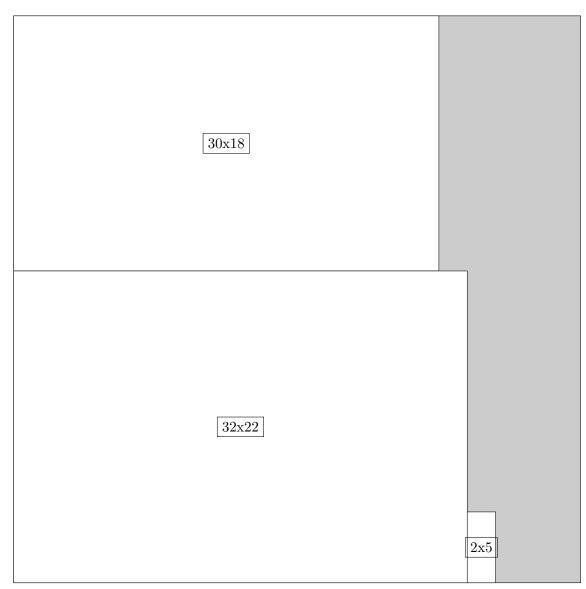
w = 2, h = 15, x = 0, y = 25, v = 30

 $\le =20$, h =15 , x =2 , y =25 , v =300

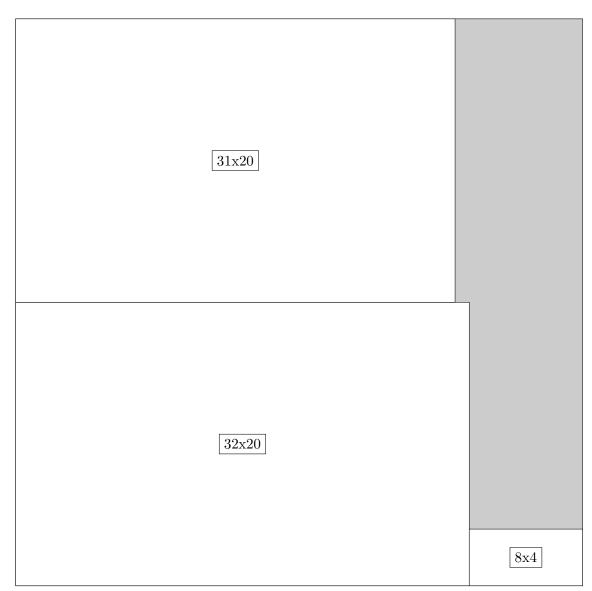
 $\le =17$, h =14 , x =22 , y =25 , v =238

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

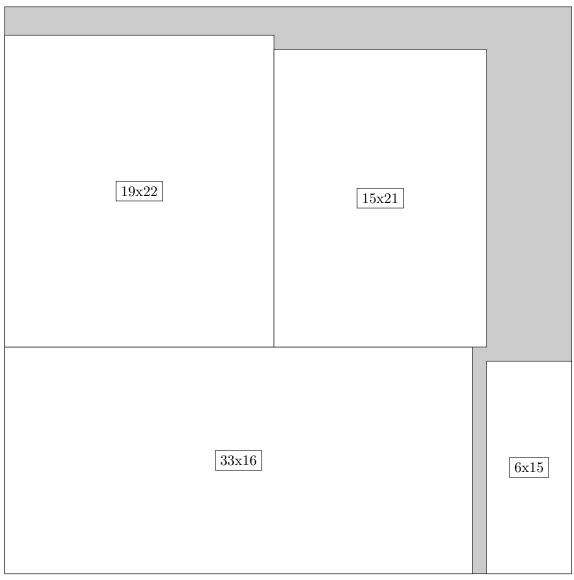
 \mathbf{w} =1 , h =32 , x =39 , y =0 , v =32



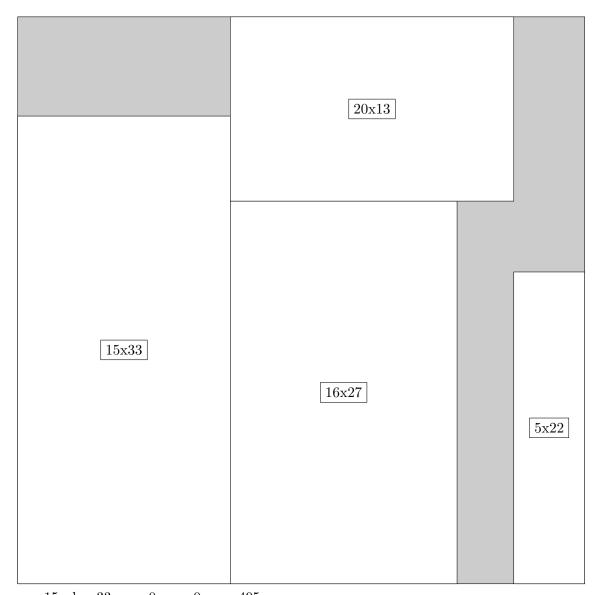
$$\begin{array}{l} w = & 30 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 22 \ , \ v = & 540 \\ w = & 32 \ , \ h = & 22 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 704 \\ w = & 2 \ , \ h = & 5 \ , \ x = & 32 \ , \ y = & 0 \ , \ v = & 10 \end{array}$$



$$\begin{array}{l} w = & 32 \; , \; h = & 20 \; , \; x = & 0 \; , \; y = & 0 \; , \; v = & 640 \\ w = & 31 \; , \; h = & 20 \; , \; x = & 0 \; , \; y = & 20 \; , \; v = & 620 \\ w = & 8 \; , \; h = & 4 \; , \; x = & 32 \; , \; y = & 0 \; , \; v = & 32 \end{array}$$

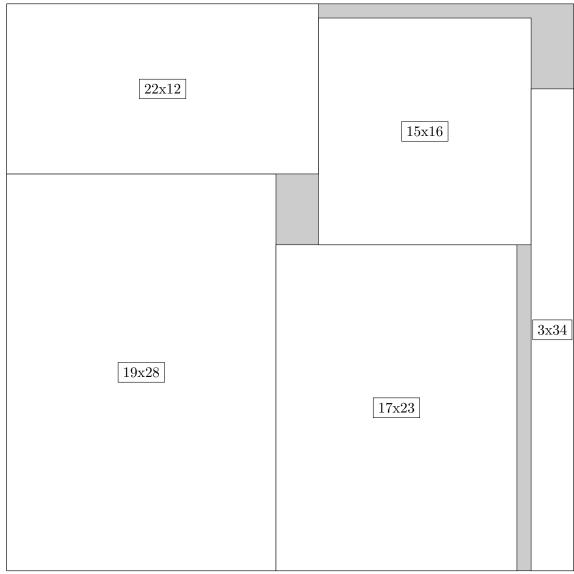


$$\begin{array}{l} w = \! 33 \ , \ h = \! 16 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 528 \\ w = \! 19 \ , \ h = \! 22 \ , \ x = \! 0 \ , \ y = \! 16 \ , \ v = \! 418 \\ w = \! 15 \ , \ h = \! 21 \ , \ x = \! 19 \ , \ y = \! 16 \ , \ v = \! 315 \\ w = \! 6 \ , \ h = \! 15 \ , \ x = \! 34 \ , \ y = \! 0 \ , \ v = \! 90 \end{array}$$



 $\le =15$, h =33 , x =0 , y =0 , v =495 $\le =16$, h =27 , x =15 , y =0 , v =432 $\le =20$, h =13 , x =15 , y =27 , v =260

 \mathbf{w} =5 , h =22 , x =35 , y =0 , v =110



$$\le =19$$
 , h =28 , x =0 , y =0 , v =532

$$\le =17$$
 , $= 23$, $= 19$, $= 19$, $= 19$, $= 19$, $= 19$

$$\le =22$$
 , h =12 , x =0 , y =28 , v =264

$$\le =15$$
 , h =16 , x =22 , y =23 , v =240

$$\mathbf{w}=\!3$$
 , $\mathbf{h}=\!34$, $\mathbf{x}=\!37$, $\mathbf{y}=\!0$, $\mathbf{v}=\!102$