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

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: $\underline{0}$

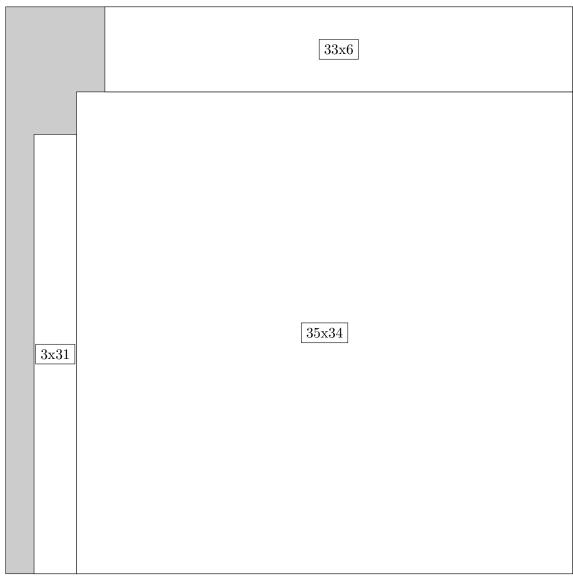
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

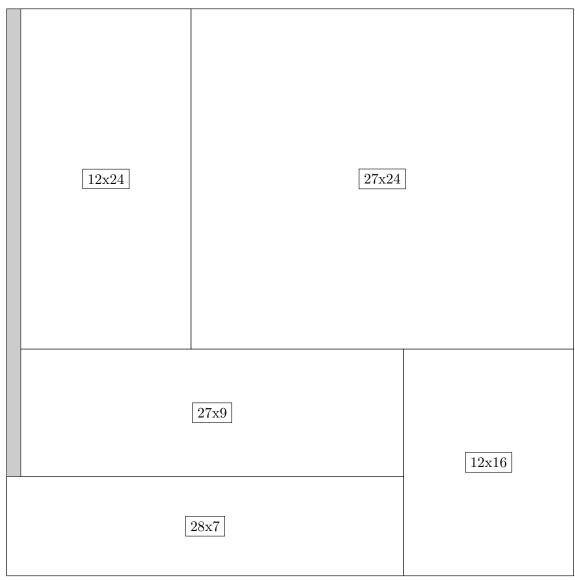
isOpt: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.359 s



 $\begin{array}{l} w = & 35 \ , \ h = & 34 \ , \ x = & 5 \ , \ y = & 0 \ , \ v = & 1190 \\ w = & 3 \ , \ h = & 31 \ , \ x = & 2 \ , \ y = & 0 \ , \ v = & 93 \\ w = & 33 \ , \ h = & 6 \ , \ x = & 7 \ , \ y = & 34 \ , \ v = & 198 \end{array}$



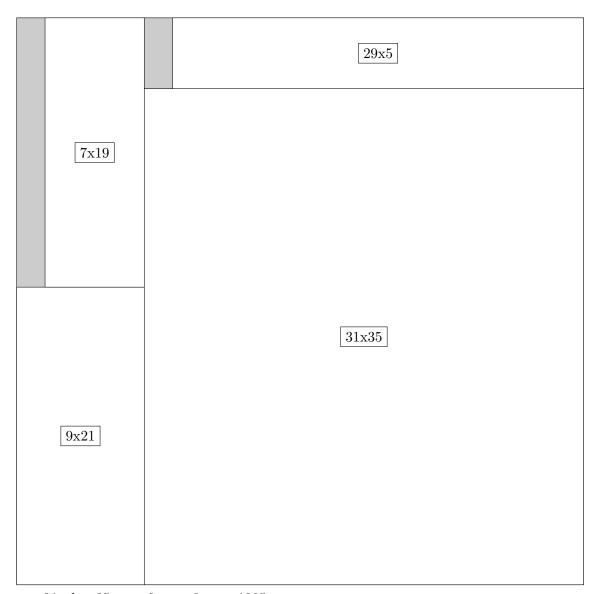
$$\le =12$$
 , h =16 , x =28 , y =0 , v =192

$$\le =28$$
 , h =7 , x =0 , y =0 , v =196

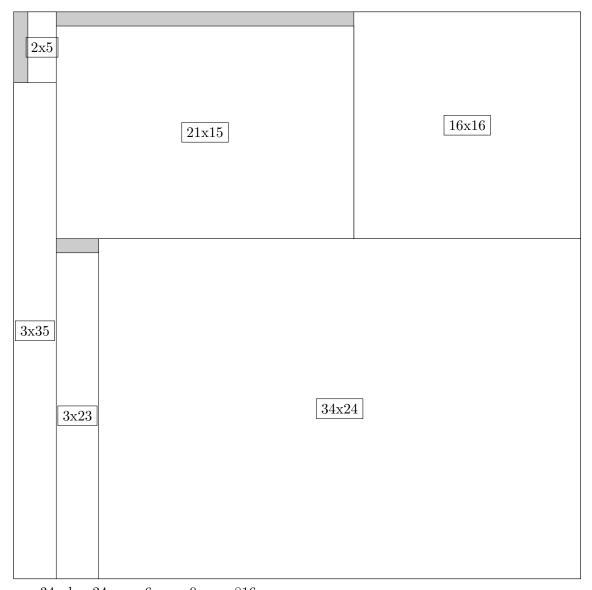
$$\le =27$$
 , h =9 , x =1 , y =7 , v =243

$$w$$
 =27 , h =24 , x =13 , y =16 , v =648

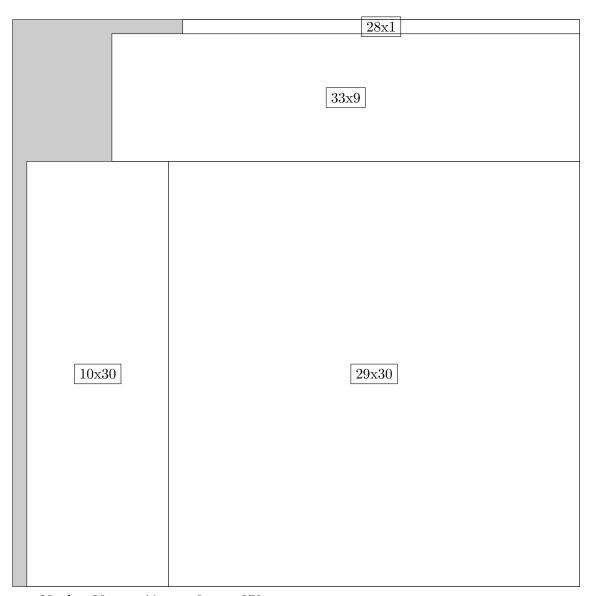
$$\le =12$$
 , $h=24$, $x=1$, $y=16$, $v=288$



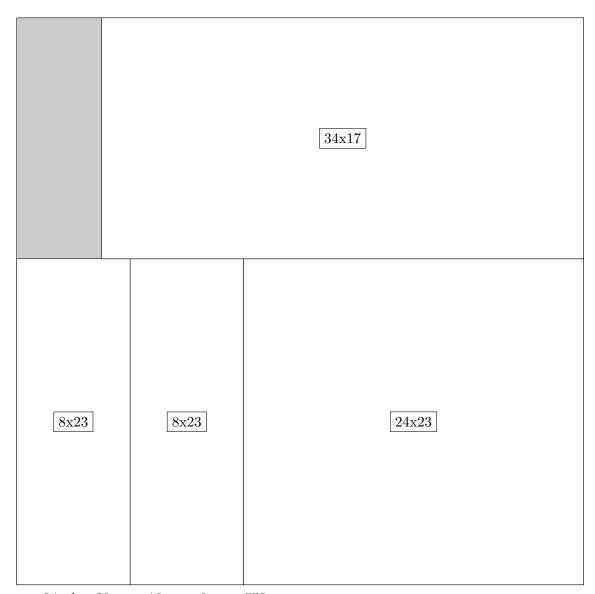
 $\begin{array}{l} w = & 31 \ , \ h = & 35 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 1085 \\ w = & 29 \ , \ h = & 5 \ , \ x = & 11 \ , \ y = & 35 \ , \ v = & 145 \\ w = & 9 \ , \ h = & 21 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 189 \\ w = & 7 \ , \ h = & 19 \ , \ x = & 2 \ , \ y = & 21 \ , \ v = & 133 \end{array}$



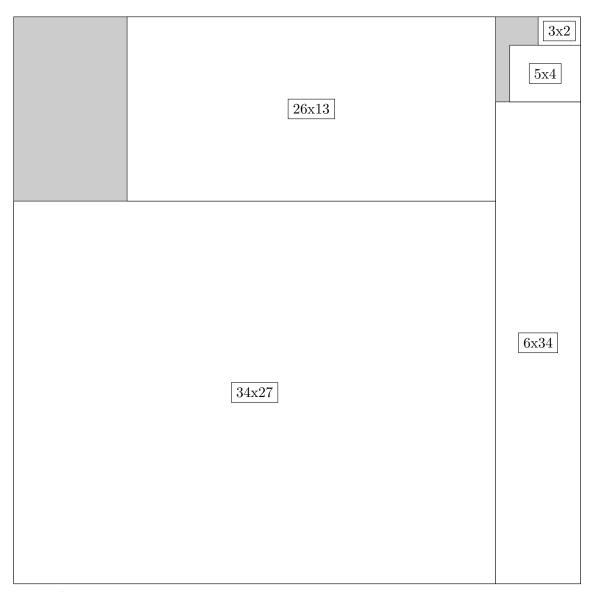
 $\begin{array}{l} w = 34 \; , \; h = 24 \; , \; x = 6 \; , \; y = 0 \; , \; v = 816 \\ w = 3 \; , \; h = 23 \; , \; x = 3 \; , \; y = 0 \; , \; v = 69 \\ w = 16 \; , \; h = 16 \; , \; x = 24 \; , \; y = 24 \; , \; v = 256 \\ w = 21 \; , \; h = 15 \; , \; x = 3 \; , \; y = 24 \; , \; v = 315 \\ w = 3 \; , \; h = 35 \; , \; x = 0 \; , \; y = 0 \; , \; v = 105 \\ w = 2 \; , \; h = 5 \; , \; x = 1 \; , \; y = 35 \; , \; v = 10 \end{array}$



$$\begin{array}{l} w = 29 \ , \ h = 30 \ , \ x = 11 \ , \ y = 0 \ , \ v = 870 \\ w = 10 \ , \ h = 30 \ , \ x = 1 \ , \ y = 0 \ , \ v = 300 \\ w = 33 \ , \ h = 9 \ , \ x = 7 \ , \ y = 30 \ , \ v = 297 \\ w = 28 \ , \ h = 1 \ , \ x = 12 \ , \ y = 39 \ , \ v = 28 \end{array}$$



 $\begin{array}{l} w=24 \ , \ h=23 \ , \ x=16 \ , \ y=0 \ , \ v=552 \\ w=8 \ , \ h=23 \ , \ x=8 \ , \ y=0 \ , \ v=184 \\ w=8 \ , \ h=23 \ , \ x=0 \ , \ y=0 \ , \ v=184 \\ w=34 \ , \ h=17 \ , \ x=6 \ , \ y=23 \ , \ v=578 \end{array}$



$$\mathbf{w}$$
 =6 , h =34 , x =34 , y =0 , v =204

$$w$$
 =5 , h =4 , x =35 , y =34 , v =20

$$\mathbf{w}=\!34$$
 , $\mathbf{h}=\!27$, $\mathbf{x}=\!0$, $\mathbf{y}=\!0$, $\mathbf{v}=\!918$

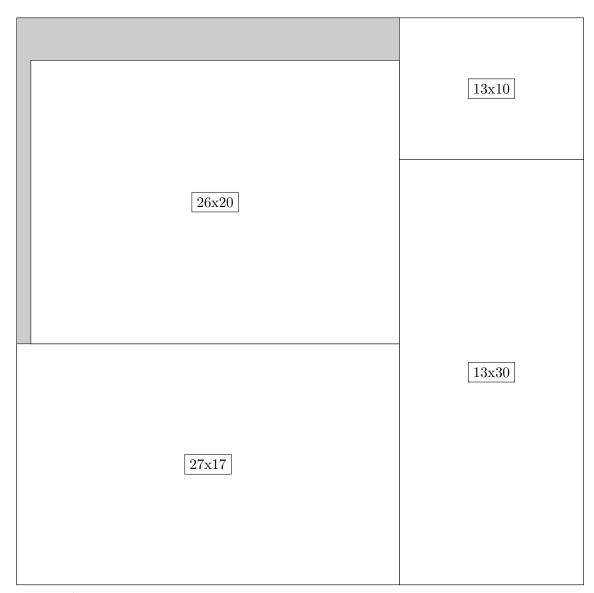
$$w = 26$$
, $h = 13$, $x = 8$, $y = 27$, $v = 338$

| | [18x5] |
|-------|--------------------------|
| 20x14 | |
| | $\boxed{19\mathrm{x}35}$ |
| 21x26 | |
| | |

$$\begin{array}{l} w = & 19 \ , \ h = & 35 \ , \ x = & 21 \ , \ y = & 0 \ , \ v = & 665 \\ w = & 18 \ , \ h = & 5 \ , \ x = & 22 \ , \ y = & 35 \ , \ v = & 90 \end{array}$$

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

$$w = 20$$
, $h = 14$, $x = 1$, $y = 26$, $v = 280$

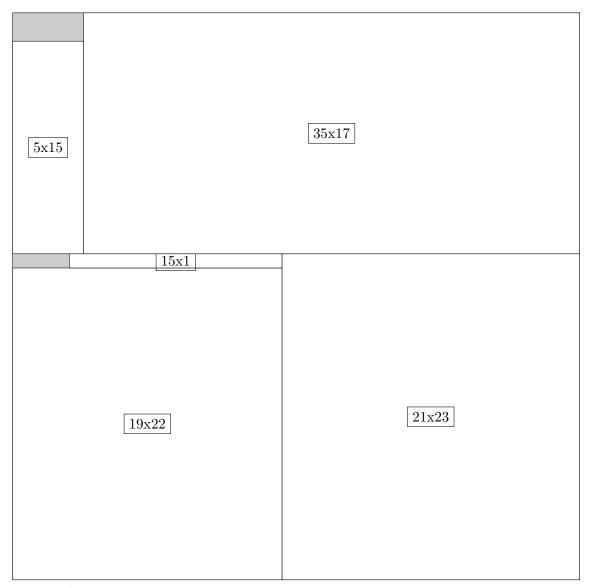


$$\le =13$$
 , h =30 , x =27 , y =0 , v =390

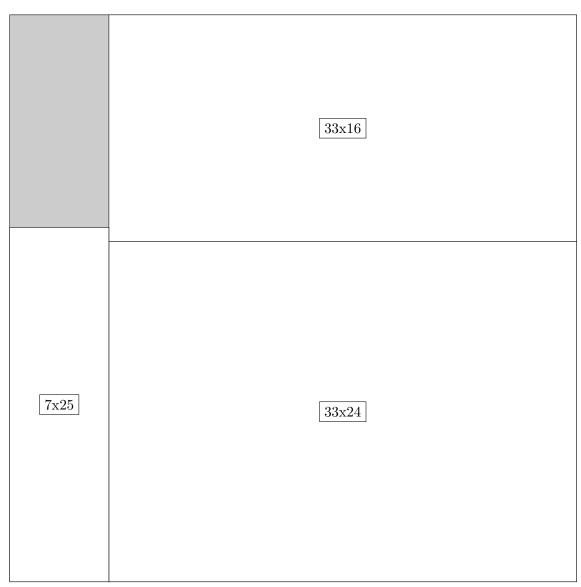
$$\le =13$$
 , h =10 , x =27 , y =30 , v =130

$$\mathbf{w}$$
 =27 , h =17 , x =0 , y =0 , v =459

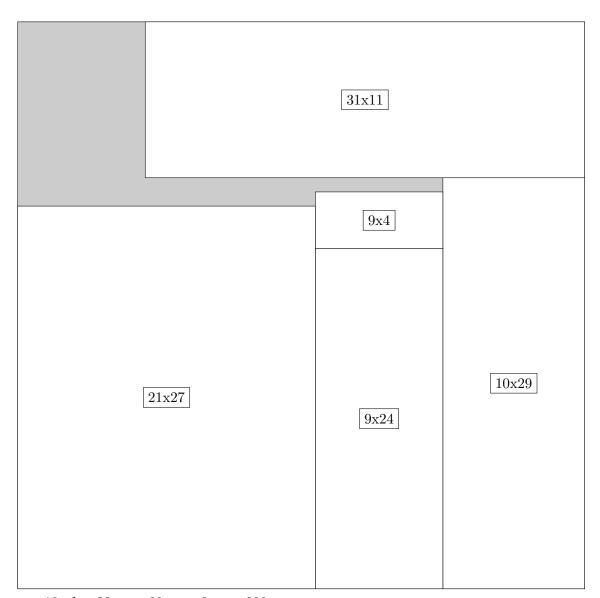
$$\mathbf{w}$$
 =26 , h =20 , x =1 , y =17 , v =520



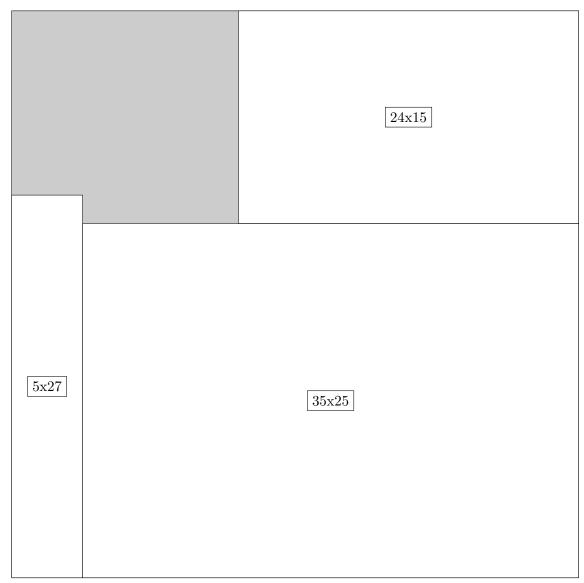
$$\begin{array}{l} w = 21 \; , \; h = 23 \; , \; x = 19 \; , \; y = 0 \; , \; v = 483 \\ w = 19 \; , \; h = 22 \; , \; x = 0 \; , \; y = 0 \; , \; v = 418 \\ w = 15 \; , \; h = 1 \; , \; x = 4 \; , \; y = 22 \; , \; v = 15 \\ w = 35 \; , \; h = 17 \; , \; x = 5 \; , \; y = 23 \; , \; v = 595 \\ w = 5 \; , \; h = 15 \; , \; x = 0 \; , \; y = 23 \; , \; v = 75 \end{array}$$



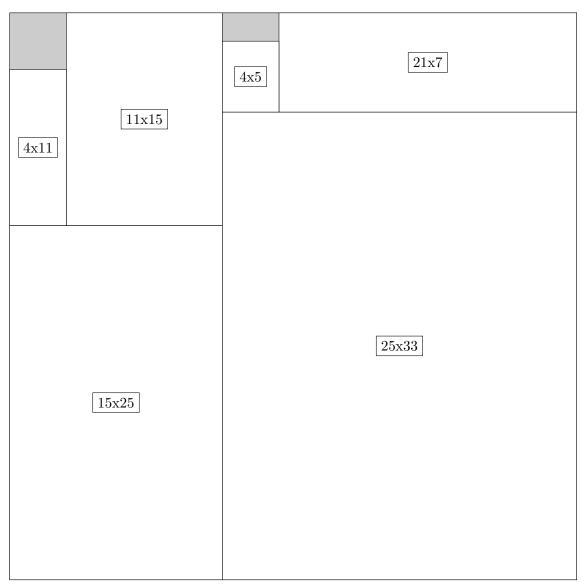
 $\begin{array}{l} w = \! 33 \; , \; h = \! 24 \; , \; x = \! 7 \; , \; y = \! 0 \; , \; v = \! 792 \\ w = \! 33 \; , \; h = \! 16 \; , \; x = \! 7 \; , \; y = \! 24 \; , \; v = \! 528 \\ w = \! 7 \; , \; h = \! 25 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 175 \end{array}$



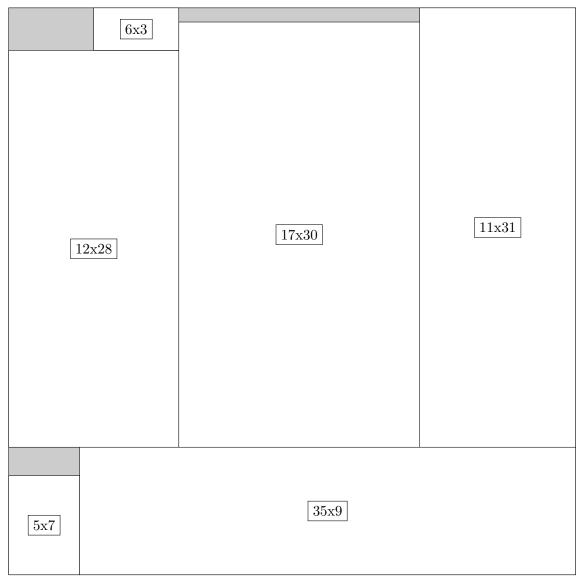
$$\begin{array}{l} w = & 10 \ , \ h = & 29 \ , \ x = & 30 \ , \ y = & 0 \ , \ v = & 290 \\ w = & 9 \ , \ h = & 24 \ , \ x = & 21 \ , \ y = & 0 \ , \ v = & 216 \\ w = & 9 \ , \ h = & 4 \ , \ x = & 21 \ , \ y = & 24 \ , \ v = & 36 \\ w = & 21 \ , \ h = & 27 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 567 \\ w = & 31 \ , \ h = & 11 \ , \ x = & 9 \ , \ y = & 29 \ , \ v = & 341 \end{array}$$



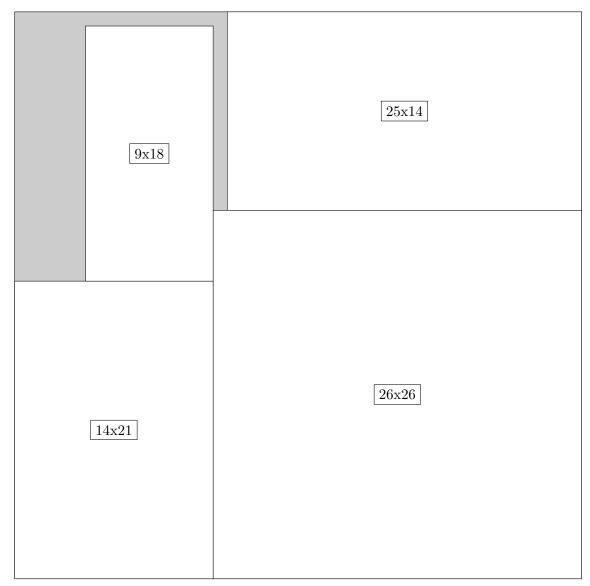
 $\begin{array}{l} w = \! 35 \ , \ h = \! 25 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 875 \\ w = \! 24 \ , \ h = \! 15 \ , \ x = \! 16 \ , \ y = \! 25 \ , \ v = \! 360 \\ w = \! 5 \ , \ h = \! 27 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 135 \end{array}$



$$\begin{array}{l} w = 25 \ , \ h = 33 \ , \ x = 15 \ , \ y = 0 \ , \ v = 825 \\ w = 21 \ , \ h = 7 \ , \ x = 19 \ , \ y = 33 \ , \ v = 147 \\ w = 4 \ , \ h = 5 \ , \ x = 15 \ , \ y = 33 \ , \ v = 20 \\ w = 15 \ , \ h = 25 \ , \ x = 0 \ , \ y = 0 \ , \ v = 375 \\ w = 11 \ , \ h = 15 \ , \ x = 4 \ , \ y = 25 \ , \ v = 165 \\ w = 4 \ , \ h = 11 \ , \ x = 0 \ , \ y = 25 \ , \ v = 44 \end{array}$$



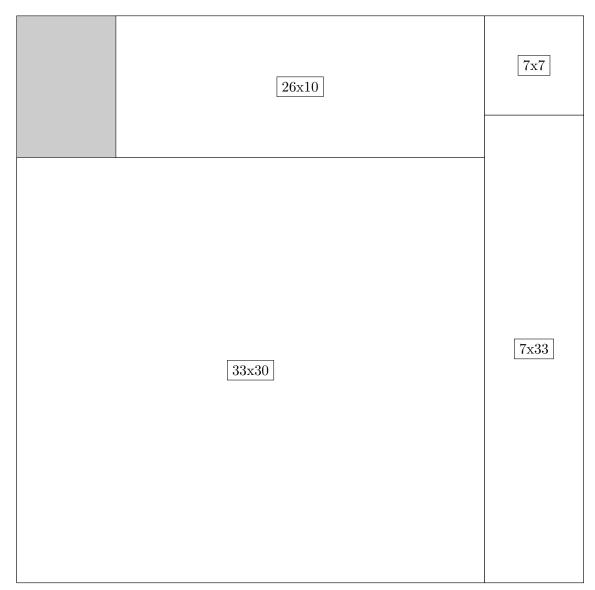
$$\begin{array}{l} w = \! 35 \;, \; h = \! 9 \;, \; x = \! 5 \;, \; y = \! 0 \;, \; v = \! 315 \\ w = \! 5 \;, \; h = \! 7 \;, \; x = \! 0 \;, \; y = \! 0 \;, \; v = \! 35 \\ w = \! 11 \;, \; h = \! 31 \;, \; x = \! 29 \;, \; y = \! 9 \;, \; v = \! 341 \\ w = \! 17 \;, \; h = \! 30 \;, \; x = \! 12 \;, \; y = \! 9 \;, \; v = \! 510 \\ w = \! 12 \;, \; h = \! 28 \;, \; x = \! 0 \;, \; y = \! 9 \;, \; v = \! 336 \\ w = \! 6 \;, \; h = \! 3 \;, \; x = \! 6 \;, \; y = \! 37 \;, \; v = \! 18 \end{array}$$



$$\begin{array}{l} w = \! 26 \ , \ h = \! 26 \ , \ x = \! 14 \ , \ y = \! 0 \ , \ v = \! 676 \\ w = \! 25 \ , \ h = \! 14 \ , \ x = \! 15 \ , \ y = \! 26 \ , \ v = \! 350 \end{array}$$

$$\mathbf{w}$$
 =14 , h =21 , x =0 , y =0 , v =294

$$w = 9$$
, $h = 18$, $x = 5$, $y = 21$, $v = 162$

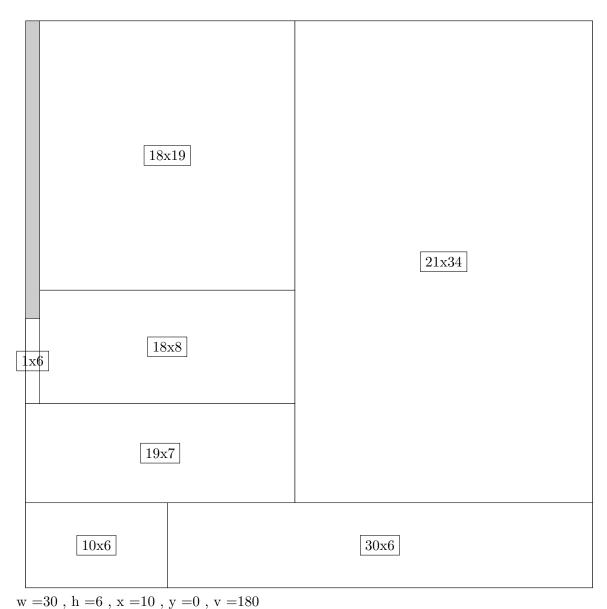


$$w = 7$$
, $h = 33$, $x = 33$, $y = 0$, $v = 231$

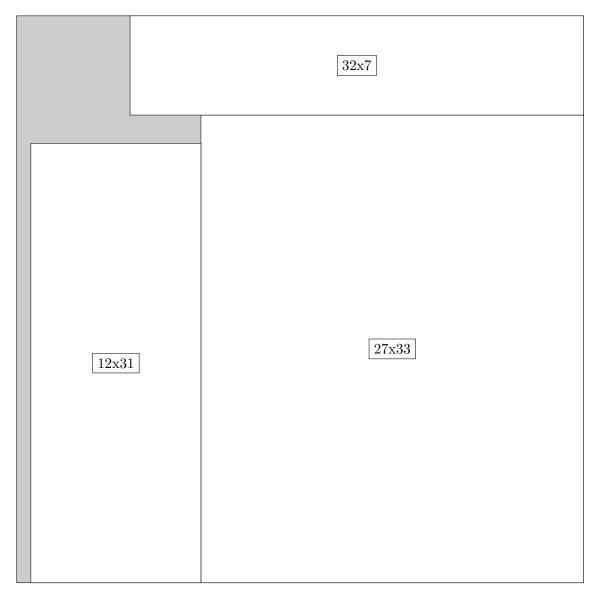
$$w$$
 =7 , h =7 , x =33 , y =33 , v =49

$$\le =33$$
 , h =30 , x =0 , y =0 , v =990

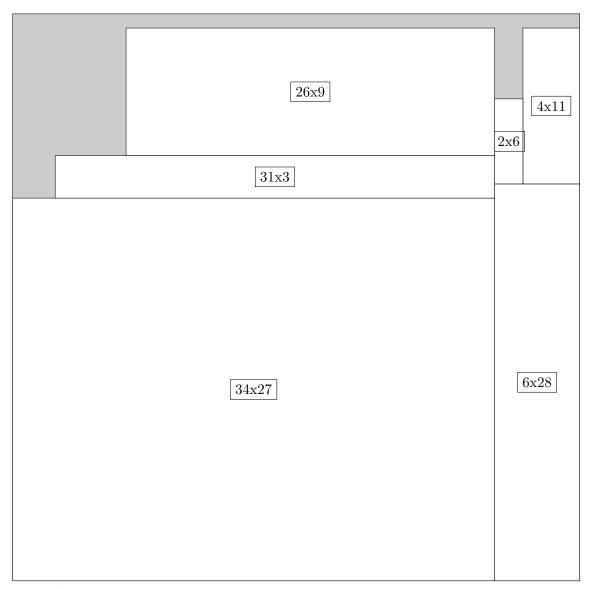
$$\mathbf{w}$$
 =26 , h =10 , x =7 , y =30 , v =260



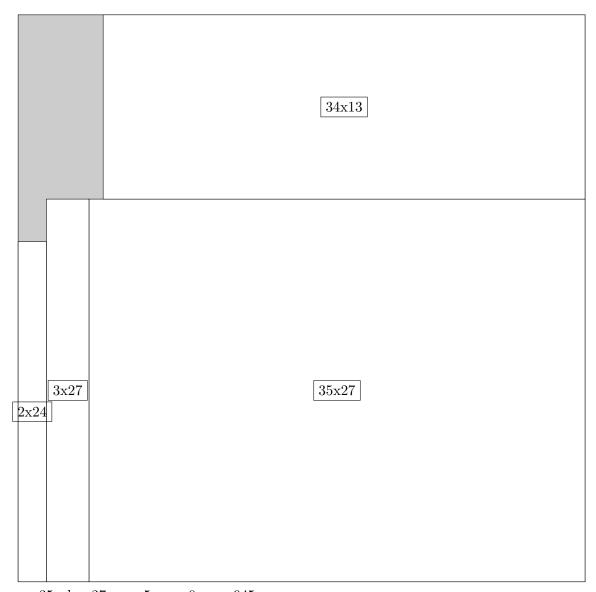
$$\begin{array}{l} w = 1 \ , \ h = 6 \ , \ x = 0 \ , \ y = 13 \ , \ v = 6 \\ w = 18 \ , \ h = 19 \ , \ x = 1 \ , \ y = 21 \ , \ v = 342 \end{array}$$



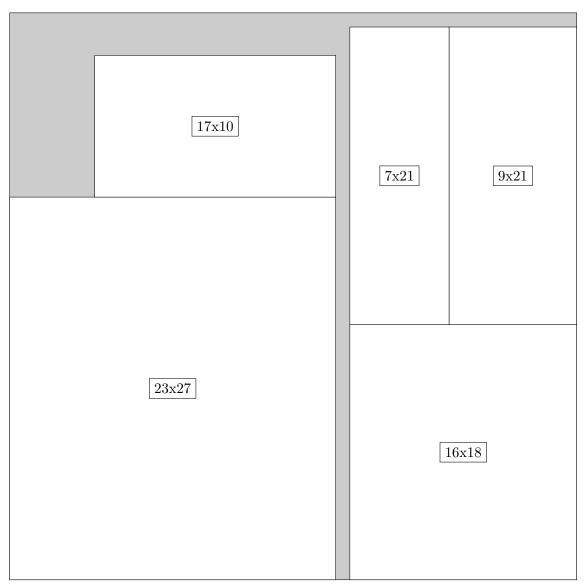
 $\begin{array}{l} w = 27 \ , \ h = 33 \ , \ x = 13 \ , \ y = 0 \ , \ v = 891 \\ w = 12 \ , \ h = 31 \ , \ x = 1 \ , \ y = 0 \ , \ v = 372 \\ w = 32 \ , \ h = 7 \ , \ x = 8 \ , \ y = 33 \ , \ v = 224 \end{array}$



$$\begin{array}{l} w=6\ ,\ h=28\ ,\ x=34\ ,\ y=0\ ,\ v=168\\ w=4\ ,\ h=11\ ,\ x=36\ ,\ y=28\ ,\ v=44\\ w=2\ ,\ h=6\ ,\ x=34\ ,\ y=28\ ,\ v=12\\ w=34\ ,\ h=27\ ,\ x=0\ ,\ y=0\ ,\ v=918\\ w=31\ ,\ h=3\ ,\ x=3\ ,\ y=27\ ,\ v=93\\ w=26\ ,\ h=9\ ,\ x=8\ ,\ y=30\ ,\ v=234\\ \end{array}$$



 $\begin{array}{l} w = \! 35 \;, \; h = \! 27 \;, \; x = \! 5 \;, \; y = \! 0 \;, \; v = \! 945 \\ w = \! 3 \;, \; h = \! 27 \;, \; x = \! 2 \;, \; y = \! 0 \;, \; v = \! 81 \\ w = \! 2 \;, \; h = \! 24 \;, \; x = \! 0 \;, \; y = \! 0 \;, \; v = \! 48 \\ w = \! 34 \;, \; h = \! 13 \;, \; x = \! 6 \;, \; y = \! 27 \;, \; v = \! 442 \end{array}$



$$\begin{array}{l} w=16\;,\; h=18\;,\; x=24\;,\; y=0\;,\; v=288\\ w=9\;,\; h=21\;,\; x=31\;,\; y=18\;,\; v=189\\ w=7\;,\; h=21\;,\; x=24\;,\; y=18\;,\; v=147\\ w=23\;,\; h=27\;,\; x=0\;,\; y=0\;,\; v=621\\ w=17\;,\; h=10\;,\; x=6\;,\; y=27\;,\; v=170 \end{array}$$