$ClassName: \ Class_05.2bp-40$

BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>240000</u> InS: <u>225667</u> Rate: <u>0.940</u> UB: <u>24</u> LB0: <u>24</u>

LBWithCut: $\underline{\mathbf{24}}$ NodeCut: $\underline{\mathbf{0}}$

LB: **24**

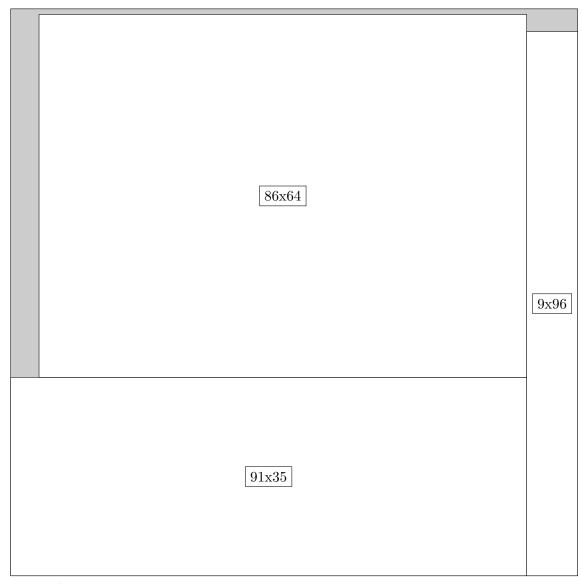
 $\operatorname{ExtendedNodeCnt}$: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{24}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

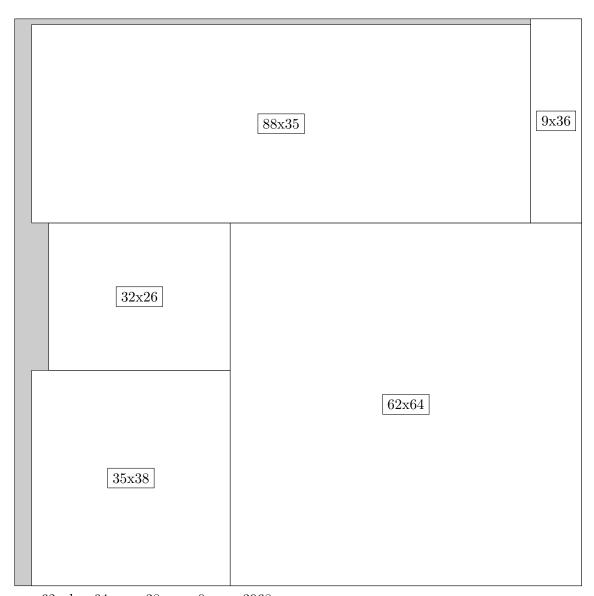
TimeOnInitSolution: $\underline{600.000 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.422 s



$$\begin{array}{l} w = 9 \ , \ h = \! 96 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 864 \\ w = \! 91 \ , \ h = \! 35 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3185 \end{array}$$

$$w = 86$$
, $h = 64$, $x = 5$, $y = 35$, $v = 5504$

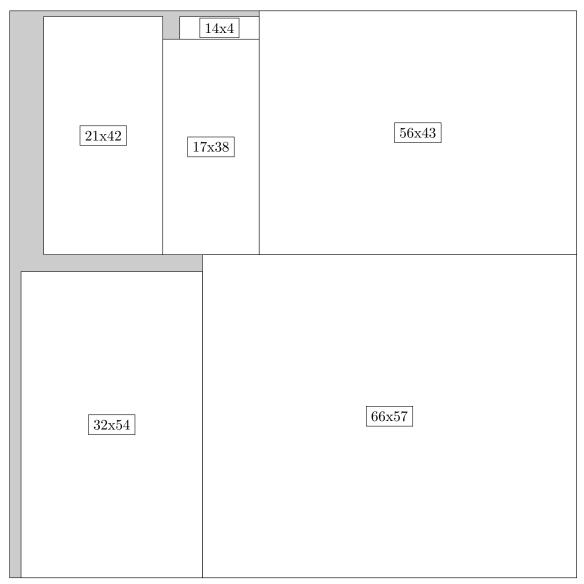


$$\begin{array}{l} w = \!62 \; , \; h = \!64 \; , \; x = \!38 \; , \; y = \!0 \; , \; v = \!3968 \\ w = \!35 \; , \; h = \!38 \; , \; x = \!3 \; , \; y = \!0 \; , \; v = \!1330 \\ \end{array}$$

$$\le =32$$
 , h =26 , x =6 , y =38 , v =832

$$w$$
 =9 , h =36 , x =91 , y =64 , v =324

$$w = 88$$
, $h = 35$, $x = 3$, $y = 64$, $v = 3080$



$$w = 66$$
, $h = 57$, $x = 34$, $y = 0$, $v = 3762$

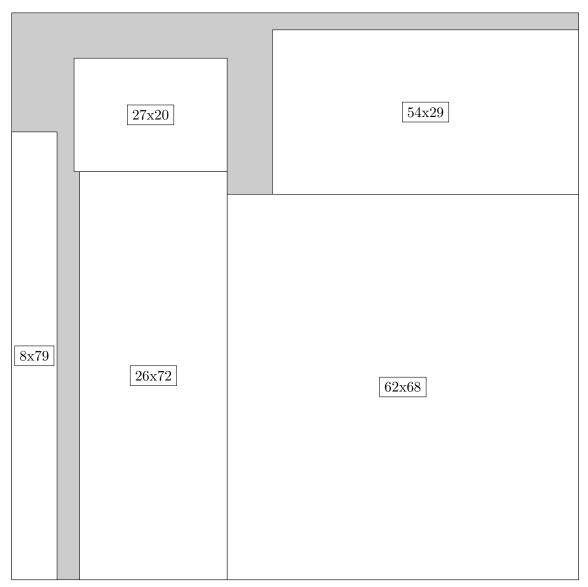
$$\le =32$$
 , $h=54$, $x=2$, $y=0$, $v=1728$

$$\le =56$$
 , h =43 , x =44 , y =57 , v =2408

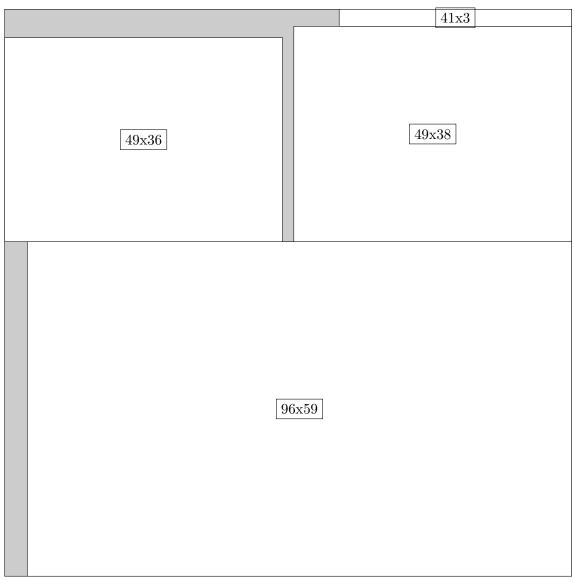
$$\le =17$$
 , h =38 , x =27 , y =57 , v =646

$$\le =14$$
 , h =4 , x =30 , y =95 , v =56

$$w$$
 =21 , h =42 , x =6 , y =57 , v =882



$$\begin{array}{l} w = \!62 \; , \; h = \!68 \; , \; x = \!38 \; , \; y = \!0 \; , \; v = \!4216 \\ w = \!54 \; , \; h = \!29 \; , \; x = \!46 \; , \; y = \!68 \; , \; v = \!1566 \\ w = \!26 \; , \; h = \!72 \; , \; x = \!12 \; , \; y = \!0 \; , \; v = \!1872 \\ w = \!27 \; , \; h = \!20 \; , \; x = \!11 \; , \; y = \!72 \; , \; v = \!540 \\ w = \!8 \; , \; h = \!79 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!632 \end{array}$$

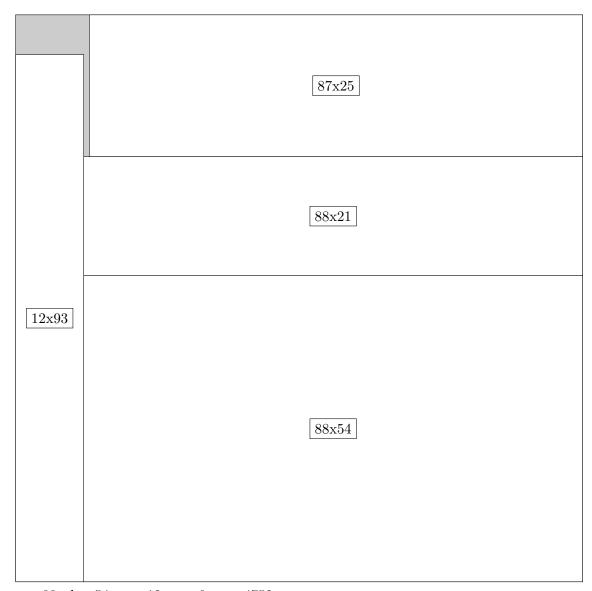


 $\le =96$, h =59 , x =4 , y =0 , v =5664

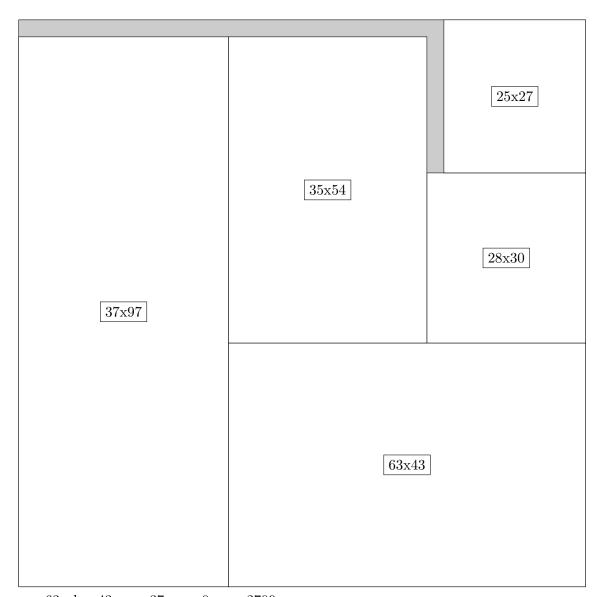
 $\le =49$, h=38 , x=51 , y=59 , v=1862

 $\le =41$, h =3 , x =59 , y =97 , v =123

 $\le =49$, h=36 , x=0 , y=59 , v=1764



$$\begin{array}{l} w = \! 88 \; , \; h = \! 54 \; , \; x = \! 12 \; , \; y = \! 0 \; , \; v = \! 4752 \\ w = \! 88 \; , \; h = \! 21 \; , \; x = \! 12 \; , \; y = \! 54 \; , \; v = \! 1848 \\ w = \! 87 \; , \; h = \! 25 \; , \; x = \! 13 \; , \; y = \! 75 \; , \; v = \! 2175 \\ w = \! 12 \; , \; h = \! 93 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 1116 \end{array}$$



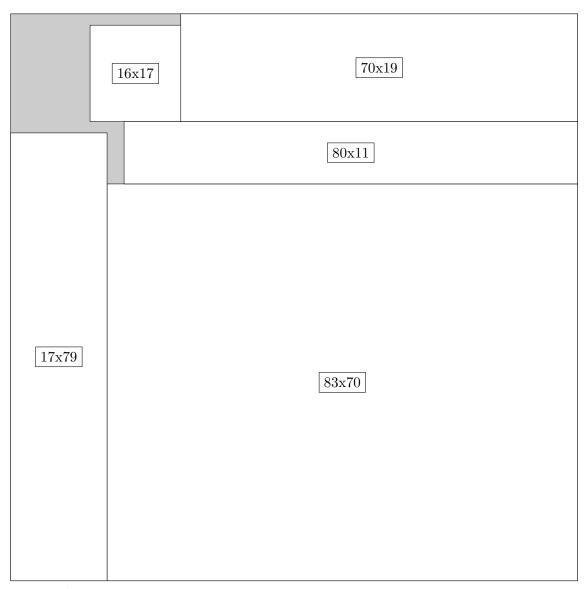
$$\le =63$$
 , h =43 , x =37 , y =0 , v =2709

$$\le =28$$
 , h =30 , x =72 , y =43 , v =840

$$\le =25$$
 , h =27 , x =75 , y =73 , v =675

$$\le =35$$
 , h =54 , x =37 , y =43 , v =1890

$$\le =37$$
 , h =97 , x =0 , y =0 , v =3589



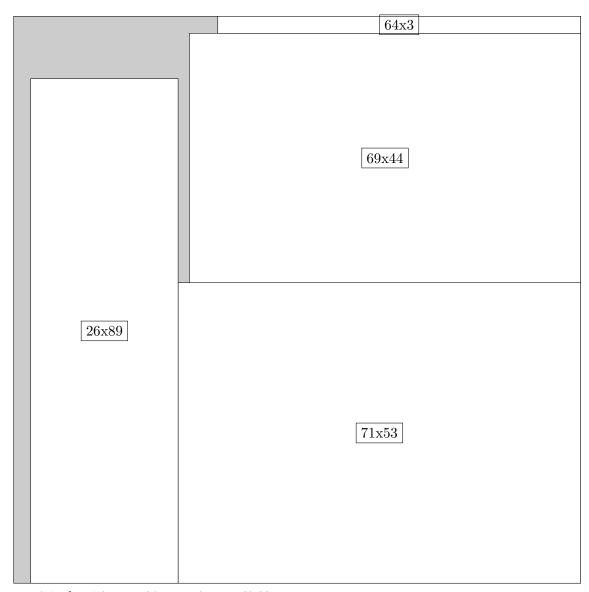
$$\le =83$$
 , h =70 , x =17 , y =0 , v =5810

$$\le =80$$
 , h =11 , x =20 , y =70 , v =880

$$\mathbf{w}$$
 =17 , \mathbf{h} =79 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =1343

$$\le =70$$
 , h =19 , x =30 , y =81 , v =1330

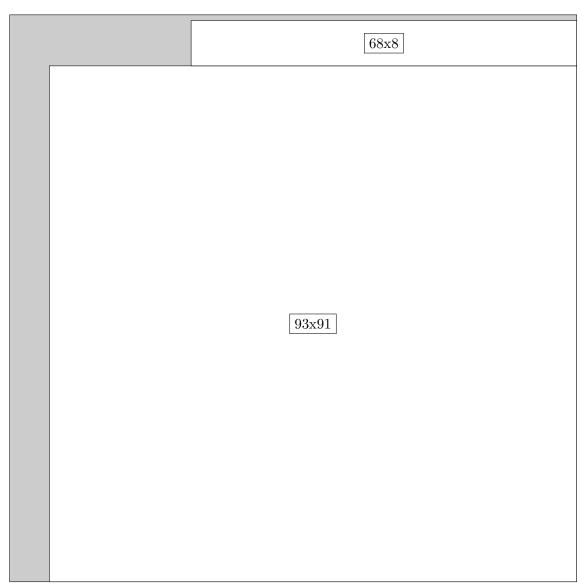
$$\mathbf{w}$$
 =16 , h =17 , x =14 , y =81 , v =272

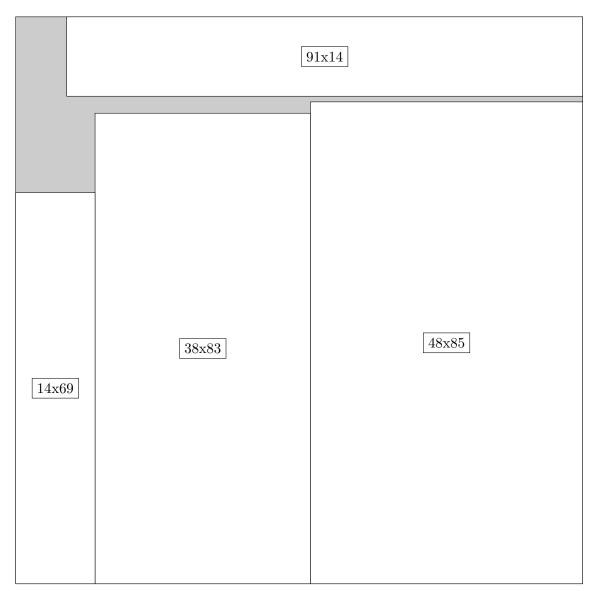


$$\begin{array}{l} w = \!\! 71 \ , \ h = \!\! 53 \ , \ x = \!\! 29 \ , \ y = \!\! 0 \ , \ v = \!\! 3763 \\ w = \!\! 69 \ , \ h = \!\! 44 \ , \ x = \!\! 31 \ , \ y = \!\! 53 \ , \ v = \!\! 3036 \end{array}$$

$$w = 64$$
, $h = 3$, $x = 36$, $y = 97$, $v = 192$

$$\le =26$$
 , h =89 , x =3 , y =0 , v =2314



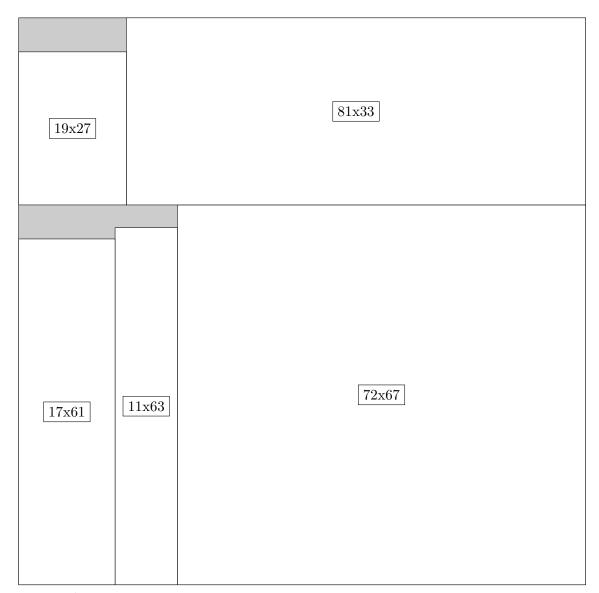


 $\le =48$, h =85 , x =52 , y =0 , v =4080

 $\le =38$, h =83 , x =14 , y =0 , v =3154

 $\le =14$, h =69 , x =0 , y =0 , v =966

 $\le =91$, h=14 , x=9 , y=86 , v=1274



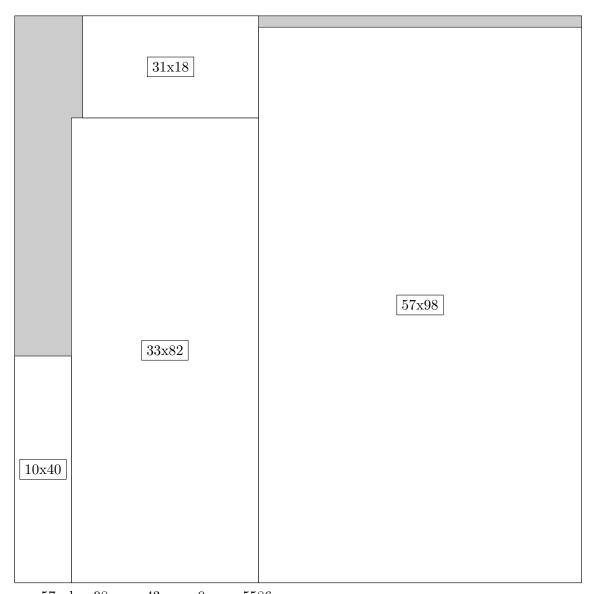
$$w$$
 =72 , h =67 , x =28 , y =0 , v =4824

$$\le =11$$
 , $h=63$, $x=17$, $y=0$, $v=693$

$$\le =17$$
 , h =61 , x =0 , y =0 , v =1037

$$\le =81$$
 , h =33 , x =19 , y =67 , v =2673

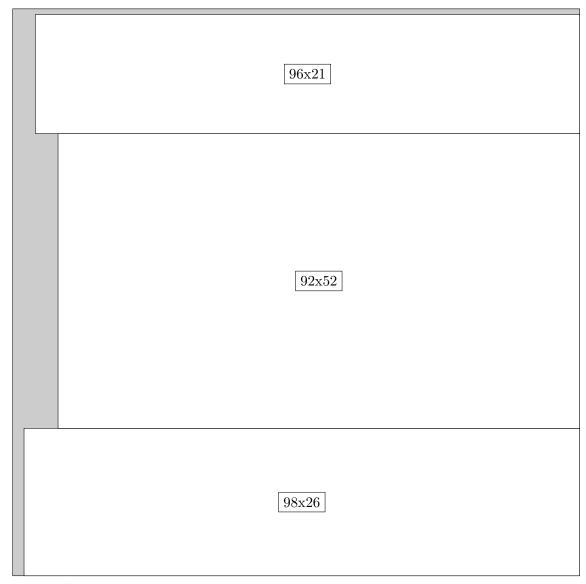
$$\le =19$$
 , $h=27$, $x=0$, $y=67$, $v=513$



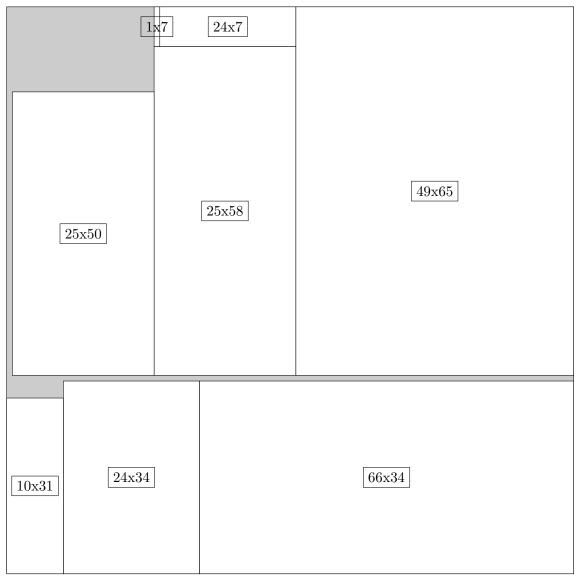
$$\begin{array}{c} w = \!\! 57 \ , \ h = \!\! 98 \ , \ x = \!\! 43 \ , \ y = \!\! 0 \ , \ v = \!\! 5586 \\ w = \!\! 33 \ , \ h = \!\! 82 \ , \ x = \!\! 10 \ , \ y = \!\! 0 \ , \ v = \!\! 2706 \\ \end{array}$$

$$\mathbf{w}$$
 =10 , h =40 , x =0 , y =0 , v =400

$$\le 31$$
 , h =18 , x =12 , y =82 , v =558



$$\begin{array}{l} w = \! 98 \ , \ h = \! 26 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 2548 \\ w = \! 92 \ , \ h = \! 52 \ , \ x = \! 8 \ , \ y = \! 26 \ , \ v = \! 4784 \\ w = \! 96 \ , \ h = \! 21 \ , \ x = \! 4 \ , \ y = \! 78 \ , \ v = \! 2016 \end{array}$$



$$w = 66$$
, $h = 34$, $x = 34$, $y = 0$, $v = 2244$

$$w=\!24$$
 , $h=\!34$, $x=\!10$, $y=\!0$, $v=\!816$

$$\mathbf{w}$$
 =10 , h =31 , x =0 , y =0 , v =310

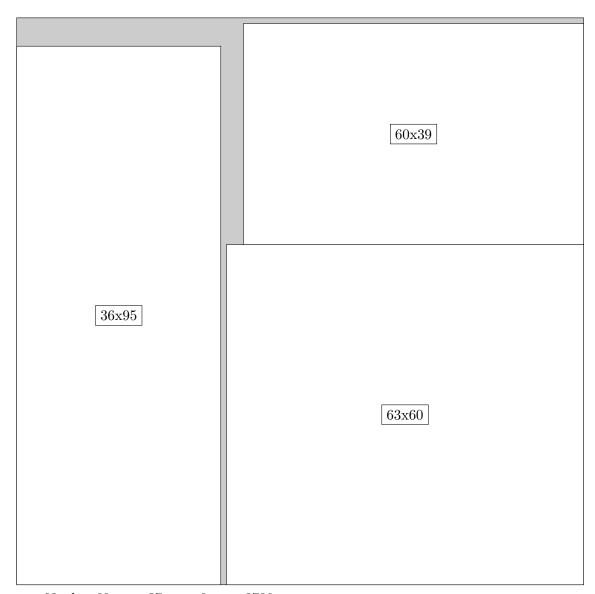
$$w = 49$$
, $h = 65$, $x = 51$, $y = 35$, $v = 3185$

$$\le =25$$
 , h =58 , x =26 , y =35 , v =1450

$$\mathbf{w}$$
 =24 , h =7 , x =27 , y =93 , v =168

$$w=\!1$$
 , $h=\!7$, $x=\!26$, $y=\!93$, $v=\!7$

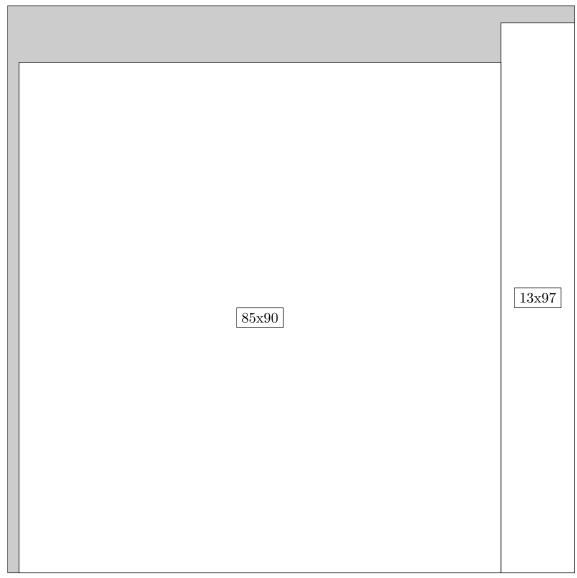
$$\le =25$$
 , $h=50$, $x=1$, $y=35$, $v=1250$

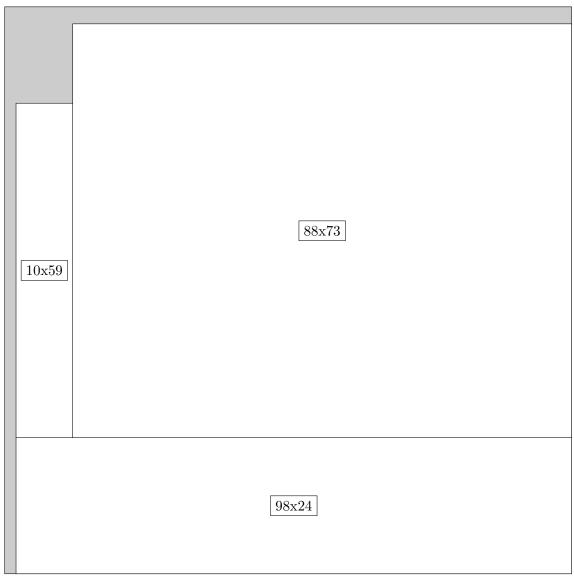


$$\le =63$$
 , $h=60$, $x=37$, $y=0$, $v=3780$

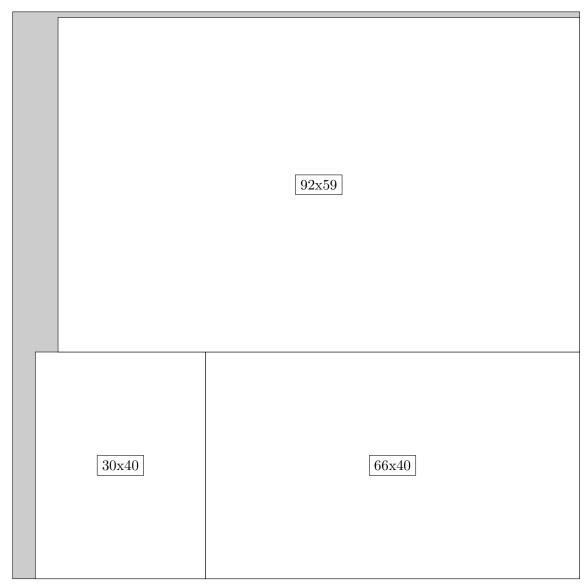
$$\le =60$$
 , $h=39$, $x=40$, $y=60$, $v=2340$

$$\le =36$$
 , h =95 , x =0 , y =0 , v =3420





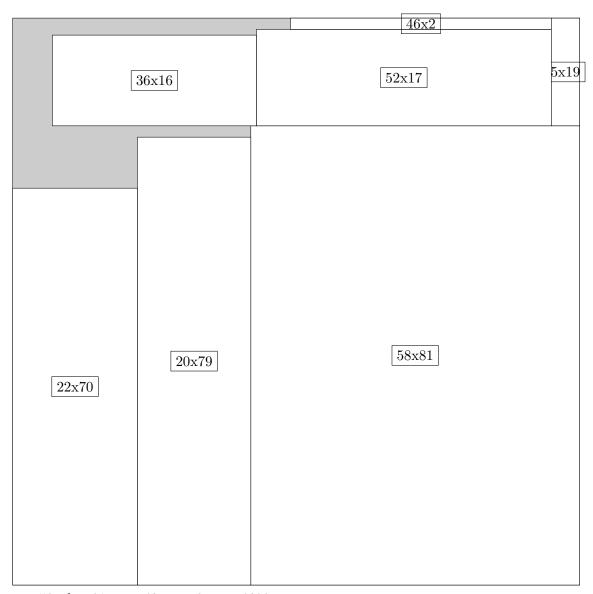
$$\begin{array}{l} w = \! 98 \ , \ h = \! 24 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 2352 \\ w = \! 88 \ , \ h = \! 73 \ , \ x = \! 12 \ , \ y = \! 24 \ , \ v = \! 6424 \\ w = \! 10 \ , \ h = \! 59 \ , \ x = \! 2 \ , \ y = \! 24 \ , \ v = \! 590 \end{array}$$



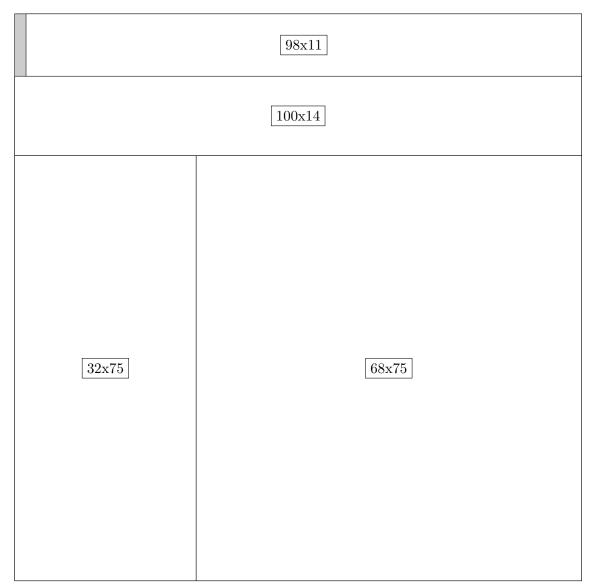
$$w = 66$$
, $h = 40$, $x = 34$, $y = 0$, $v = 2640$

$$\le =30$$
 , h =40 , x =4 , y =0 , v =1200

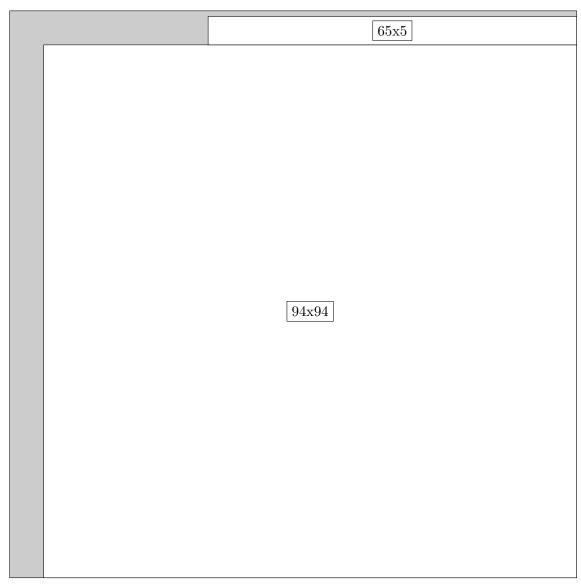
$$\le =92$$
 , h =59 , x =8 , y =40 , v =5428



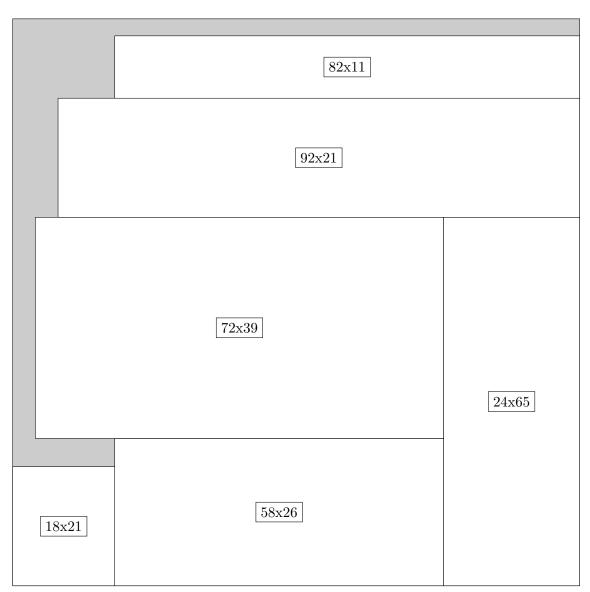
 $\begin{array}{l} w=58 \ , \ h=81 \ , \ x=42 \ , \ y=0 \ , \ v=4698 \\ w=20 \ , \ h=79 \ , \ x=22 \ , \ y=0 \ , \ v=1580 \\ w=22 \ , \ h=70 \ , \ x=0 \ , \ y=0 \ , \ v=1540 \\ w=5 \ , \ h=19 \ , \ x=95 \ , \ y=81 \ , \ v=95 \\ w=52 \ , \ h=17 \ , \ x=43 \ , \ y=81 \ , \ v=884 \\ w=46 \ , \ h=2 \ , \ x=49 \ , \ y=98 \ , \ v=92 \\ w=36 \ , \ h=16 \ , \ x=7 \ , \ y=81 \ , \ v=576 \end{array}$



$$\begin{array}{l} w = \!68 \;, \; h = \!75 \;, \; x = \!32 \;, \; y = \!0 \;, \; v = \!5100 \\ w = \!32 \;, \; h = \!75 \;, \; x = \!0 \;, \; y = \!0 \;, \; v = \!2400 \\ w = \!100 \;, \; h = \!14 \;, \; x = \!0 \;, \; y = \!75 \;, \; v = \!1400 \\ w = \!98 \;, \; h = \!11 \;, \; x = \!2 \;, \; y = \!89 \;, \; v = \!1078 \end{array}$$



$$\begin{array}{l} w = \! 94 \ , \, h = \! 94 \ , \, x = \! 6 \ , \, y = \! 0 \ , \, v = \! 8836 \\ w = \! 65 \ , \, h = \! 5 \ , \, x = \! 35 \ , \, y = \! 94 \ , \, v = \! 325 \end{array}$$



$$\le =24$$
 , $h=65$, $x=76$, $y=0$, $v=1560$

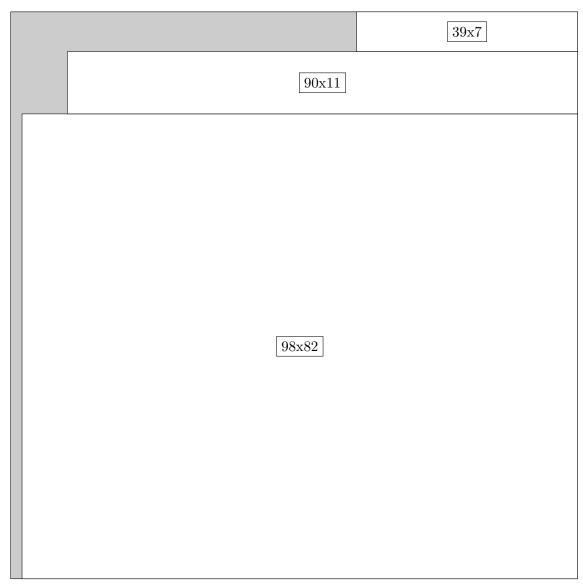
$$\le =58$$
 , h =26 , x =18 , y =0 , v =1508

$$\le =18$$
 , h =21 , x =0 , y =0 , v =378

$$\le =72$$
 , h =39 , x =4 , y =26 , v =2808

$$\le =92$$
 , h =21 , x =8 , y =65 , v =1932

$$w$$
 =82 , h =11 , x =18 , y =86 , v =902



$$\begin{array}{l} w = \! 98 \ , \ h = \! 82 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 8036 \\ w = \! 90 \ , \ h = \! 11 \ , \ x = \! 10 \ , \ y = \! 82 \ , \ v = \! 990 \\ w = \! 39 \ , \ h = \! 7 \ , \ x = \! 61 \ , \ y = \! 93 \ , \ v = \! 273 \end{array}$$