$ClassName: \ Class_07.2bp-40$

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

TypeNum: <u>98</u>
Num: <u>100</u>
OutS: <u>270000</u>
InS: <u>235954</u>
Rate: <u>0.874</u>
UB: <u>27</u>
LB0: <u>27</u>

LBWithCut: **27** NodeCut: **0**

LB: **27**

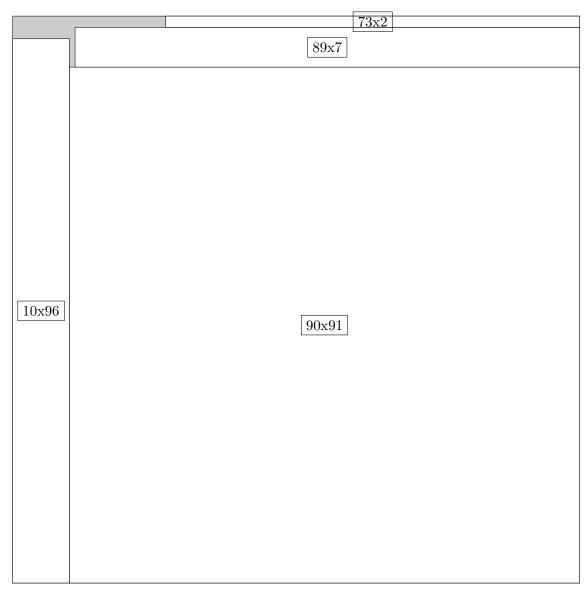
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{27}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

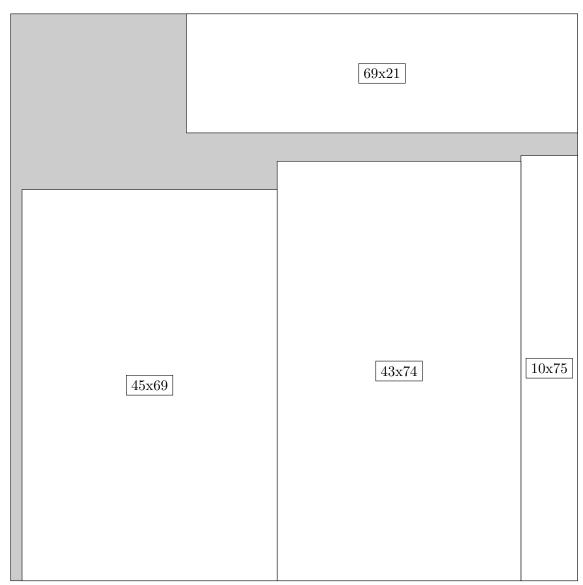
isOpt: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.375 s



 $\begin{array}{l} w = \! 90 \ , \ h = \! 91 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 8190 \\ w = \! 89 \ , \ h = \! 7 \ , \ x = \! 11 \ , \ y = \! 91 \ , \ v = \! 623 \\ w = \! 73 \ , \ h = \! 2 \ , \ x = \! 27 \ , \ y = \! 98 \ , \ v = \! 146 \\ w = \! 10 \ , \ h = \! 96 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 960 \end{array}$

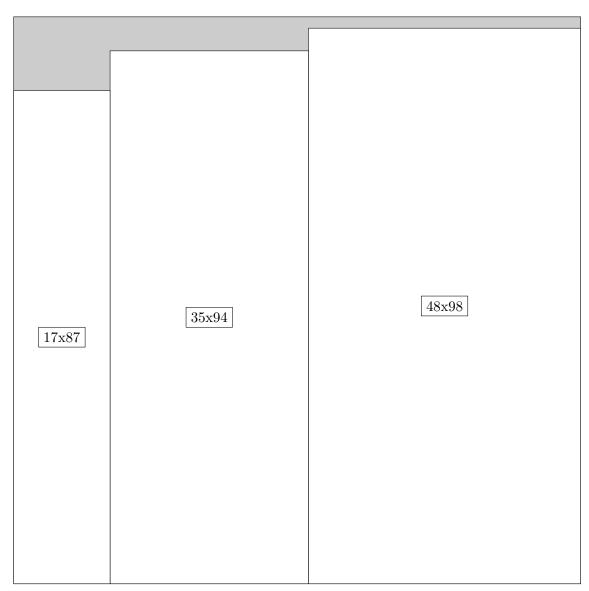


$$\mathbf{w}$$
 =10 , h =75 , x =90 , y =0 , v =750

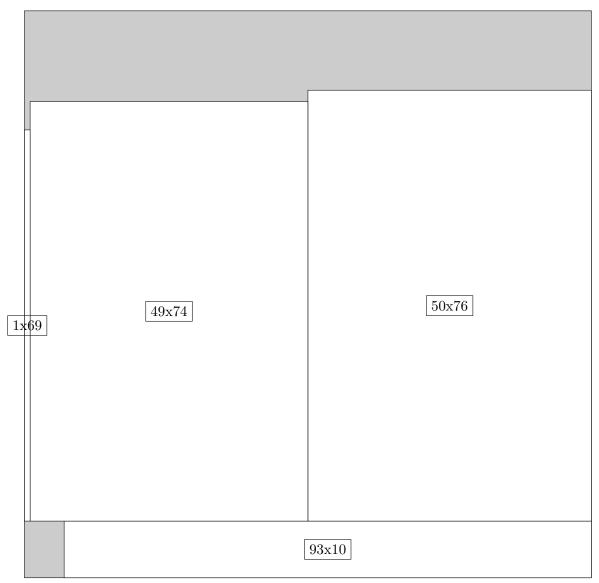
$$\le =43$$
 , $h=74$, $x=47$, $y=0$, $v=3182$

$$\le =45$$
 , h =69 , x =2 , y =0 , v =3105

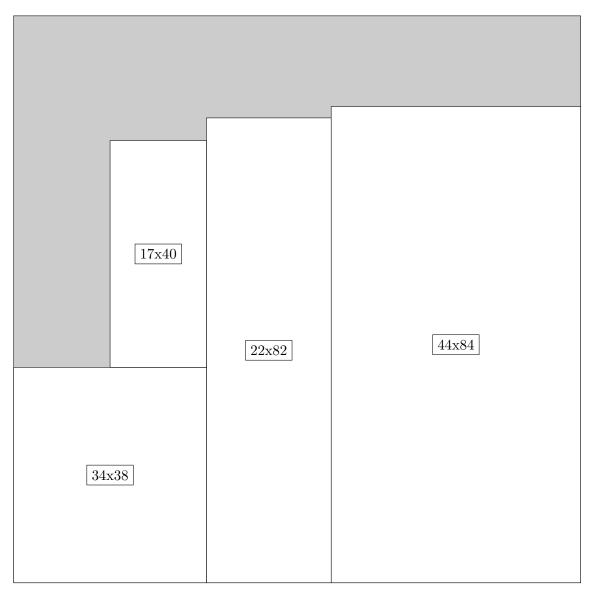
$$\le =69$$
 , h =21 , x =31 , y =79 , v =1449



 $\begin{array}{l} w = \! 48 \ , \ h = \! 98 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 4704 \\ w = \! 35 \ , \ h = \! 94 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 3290 \\ w = \! 17 \ , \ h = \! 87 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1479 \end{array}$



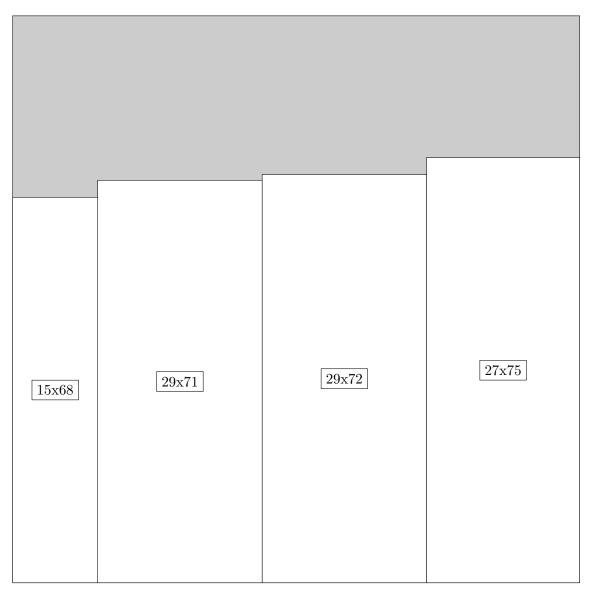
$$\begin{array}{l} w = \! 93 \ , \ h = \! 10 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 930 \\ w = \! 50 \ , \ h = \! 76 \ , \ x = \! 50 \ , \ y = \! 10 \ , \ v = \! 3800 \\ w = \! 49 \ , \ h = \! 74 \ , \ x = \! 1 \ , \ y = \! 10 \ , \ v = \! 3626 \\ w = \! 1 \ , \ h = \! 69 \ , \ x = \! 0 \ , \ y = \! 10 \ , \ v = \! 69 \end{array}$$



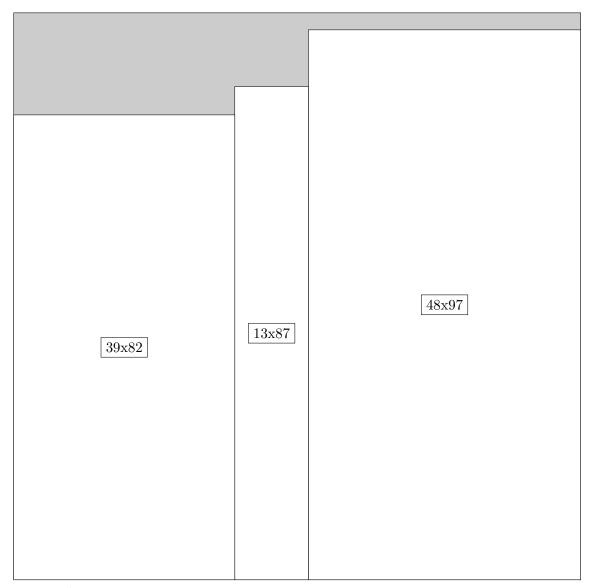
$$\begin{array}{l} w = \!\! 44 \ , \ h = \!\! 84 \ , \ x = \!\! 56 \ , \ y = \!\! 0 \ , \ v = \!\! 3696 \\ w = \!\! 22 \ , \ h = \!\! 82 \ , \ x = \!\! 34 \ , \ y = \!\! 0 \ , \ v = \!\! 1804 \end{array}$$

$$\le =34$$
 , h =38 , x =0 , y =0 , v =1292

$$w$$
 =17 , h =40 , x =17 , y =38 , v =680



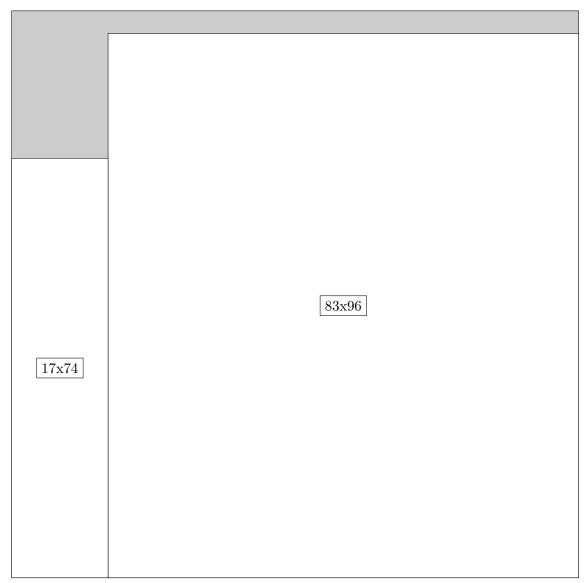
$$\begin{array}{l} w = \!\! 27 \ , \ h = \!\! 75 \ , \ x = \!\! 73 \ , \ y = \!\! 0 \ , \ v = \!\! 2025 \\ w = \!\! 29 \ , \ h = \!\! 72 \ , \ x = \!\! 44 \ , \ y = \!\! 0 \ , \ v = \!\! 2088 \\ w = \!\! 29 \ , \ h = \!\! 71 \ , \ x = \!\! 15 \ , \ y = \!\! 0 \ , \ v = \!\! 2059 \\ w = \!\! 15 \ , \ h = \!\! 68 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 1020 \end{array}$$



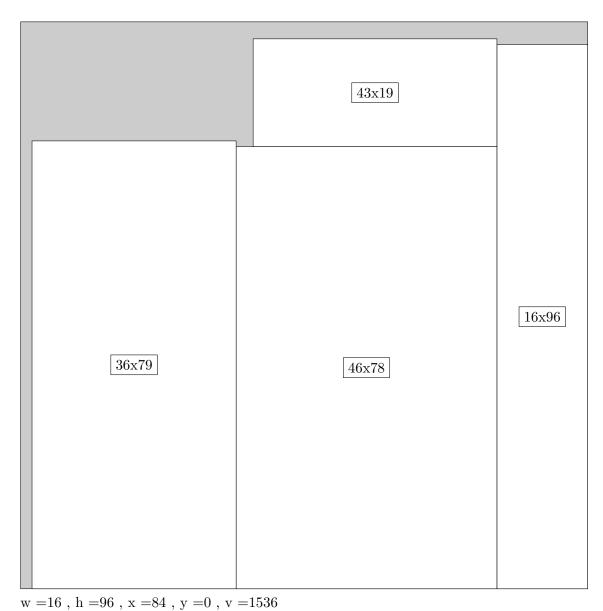
$$\le =48$$
 , h =97 , x =52 , y =0 , v =4656

$$\le =13$$
 , $h=87$, $x=39$, $y=0$, $v=1131$

$$\le =39$$
 , h =82 , x =0 , y =0 , v =3198

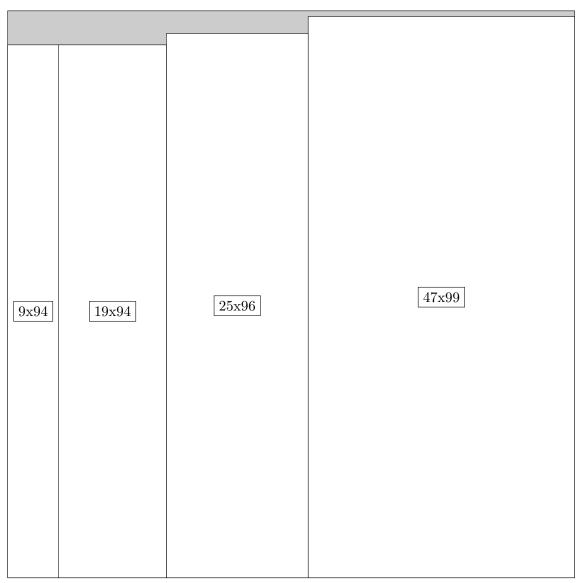


$$\begin{array}{l} w = \! 83 \ , \ h = \! 96 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 7968 \\ w = \! 17 \ , \ h = \! 74 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1258 \end{array}$$

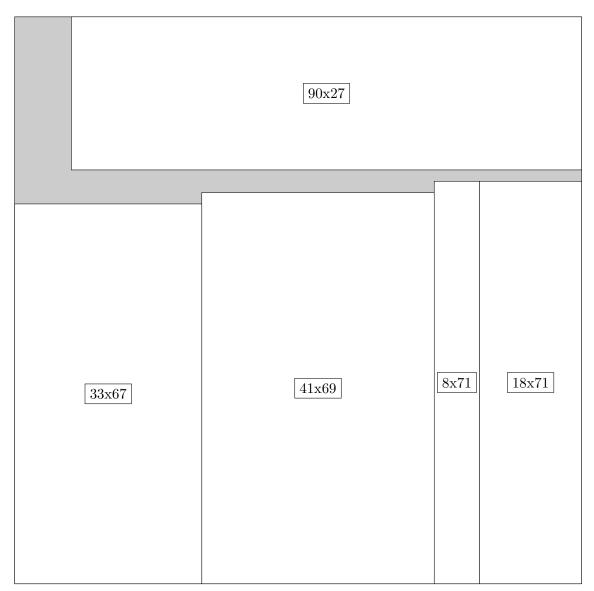


$$\le =43$$
 , h =19 , x =41 , y =78 , v =817

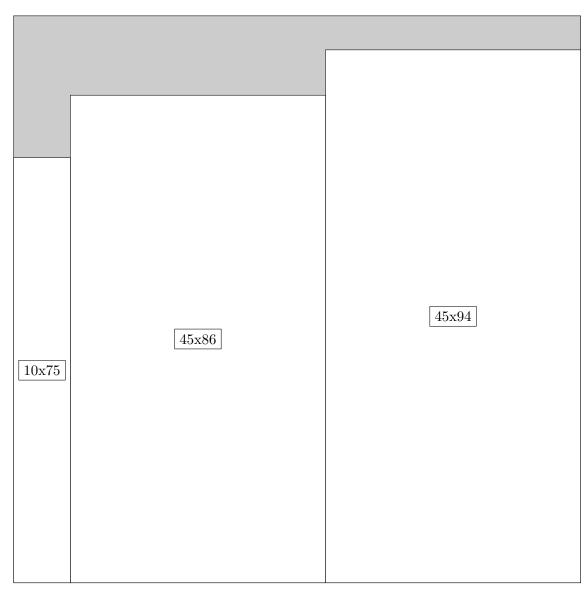
$$\mathbf{w}$$
 =36 , h =79 , x =2 , y =0 , v =2844



 $\begin{array}{l} w = \!\! 47 \ , \ h = \!\! 99 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 4653 \\ w = \!\! 25 \ , \ h = \!\! 96 \ , \ x = \!\! 28 \ , \ y = \!\! 0 \ , \ v = \!\! 2400 \\ w = \!\! 19 \ , \ h = \!\! 94 \ , \ x = \!\! 9 \ , \ y = \!\! 0 \ , \ v = \!\! 1786 \\ w = \!\! 9 \ , \ h = \!\! 94 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 846 \end{array}$



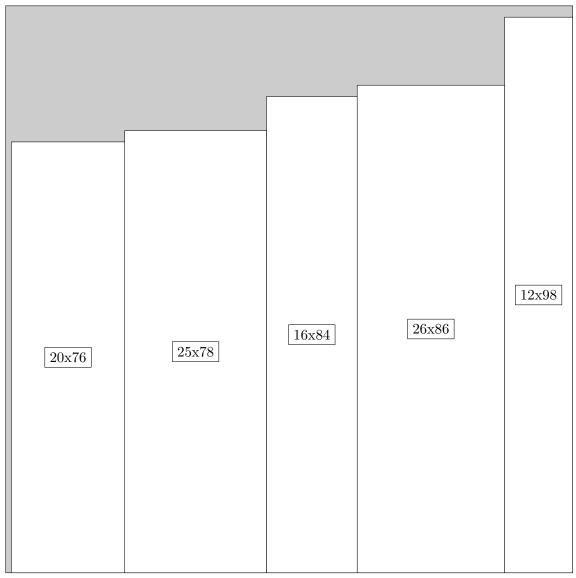
$$\begin{array}{l} w = 18 \;,\; h = 71 \;,\; x = 82 \;,\; y = 0 \;,\; v = 1278 \\ w = 8 \;,\; h = 71 \;,\; x = 74 \;,\; y = 0 \;,\; v = 568 \\ w = 41 \;,\; h = 69 \;,\; x = 33 \;,\; y = 0 \;,\; v = 2829 \\ w = 33 \;,\; h = 67 \;,\; x = 0 \;,\; y = 0 \;,\; v = 2211 \\ w = 90 \;,\; h = 27 \;,\; x = 10 \;,\; y = 73 \;,\; v = 2430 \end{array}$$



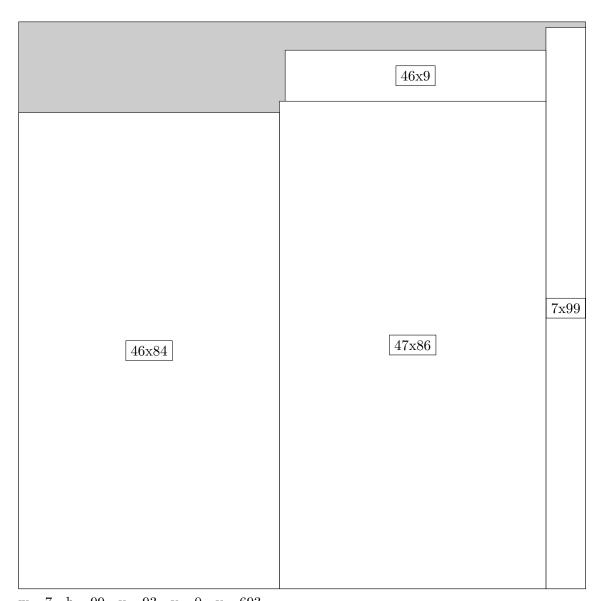
$$w = 45$$
, $h = 94$, $x = 55$, $y = 0$, $v = 4230$

$$\le =45$$
 , $h=86$, $x=\!10$, $y=\!0$, $v=\!3870$

$$\le =10$$
 , h =75 , x =0 , y =0 , v =750



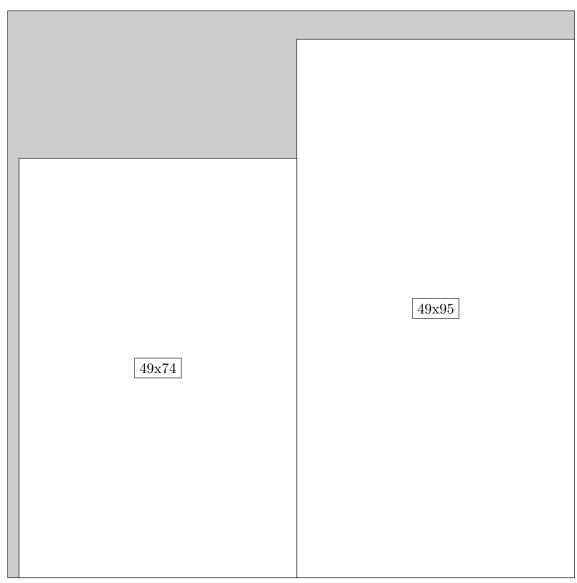
 $\begin{array}{l} w = & 12 \ , \ h = & 98 \ , \ x = & 88 \ , \ y = & 0 \ , \ v = & 1176 \\ w = & 26 \ , \ h = & 86 \ , \ x = & 62 \ , \ y = & 0 \ , \ v = & 2236 \\ w = & 16 \ , \ h = & 84 \ , \ x = & 46 \ , \ y = & 0 \ , \ v = & 1344 \\ w = & 25 \ , \ h = & 78 \ , \ x = & 21 \ , \ y = & 0 \ , \ v = & 1950 \\ w = & 20 \ , \ h = & 76 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 1520 \end{array}$



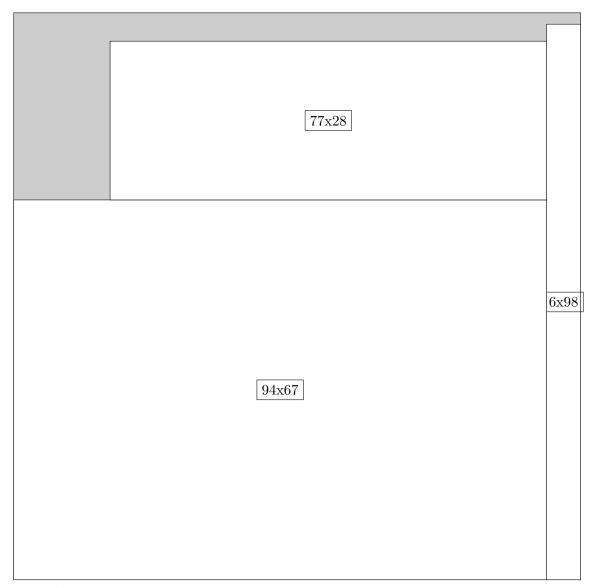
$$\begin{array}{l} w = 7 \;,\; h = 99 \;,\; x = 93 \;,\; y = 0 \;,\; v = 693 \\ w = 47 \;,\; h = 86 \;,\; x = 46 \;,\; y = 0 \;,\; v = 4042 \end{array}$$

$$\le =46$$
 , h =9 , x =47 , y =86 , v =414

$$\mathbf{w}$$
 =46 , h =84 , x =0 , y =0 , v =3864

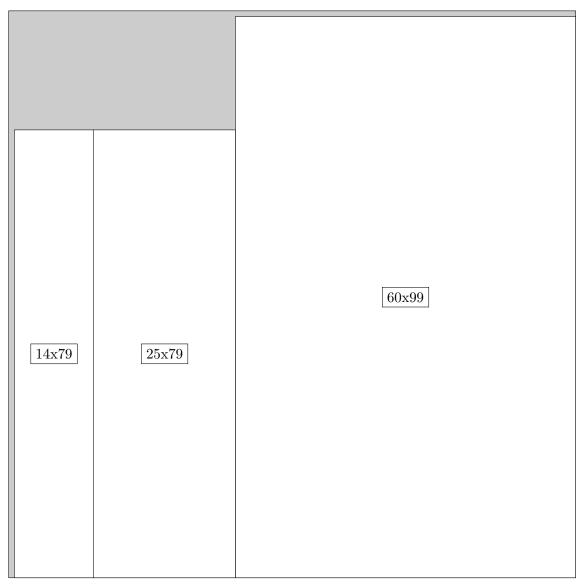


$$\begin{array}{l} w = \! 49 \ , \ h = \! 95 \ , \ x = \! 51 \ , \ y = \! 0 \ , \ v = \! 4655 \\ w = \! 49 \ , \ h = \! 74 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 3626 \end{array}$$

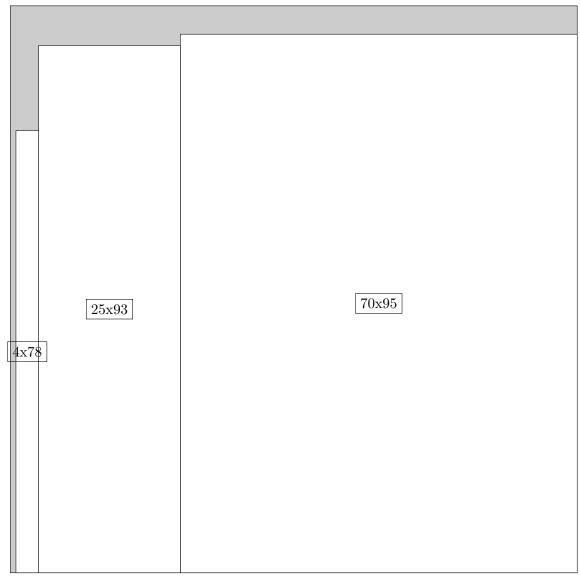


$$\begin{array}{l} w = 6 \;,\; h = \! 98 \;,\; x = \! 94 \;,\; y = \! 0 \;,\; v = \! 588 \\ w = \! 94 \;,\; h = \! 67 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 6298 \\ \end{array}$$

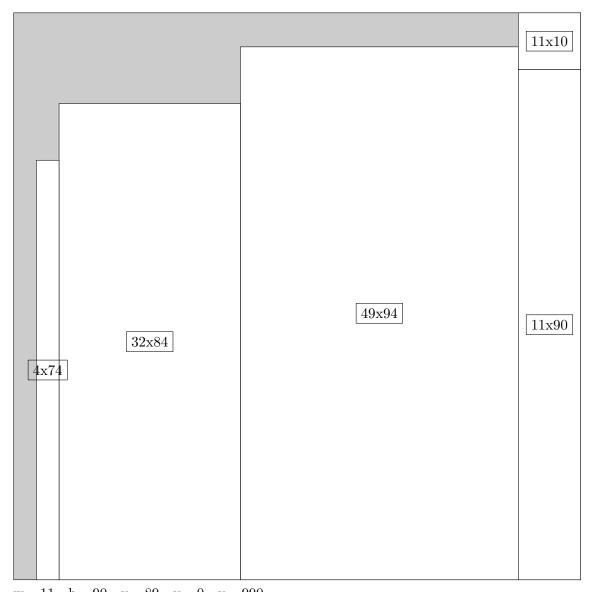
$$\le =77$$
 , h =28 , x =17 , y =67 , v =2156



 $\begin{array}{l} w = \!\! 60 \ , \ h = \!\! 99 \ , \ x = \!\! 40 \ , \ y = \!\! 0 \ , \ v = \!\! 5940 \\ w = \!\! 25 \ , \ h = \!\! 79 \ , \ x = \!\! 15 \ , \ y = \!\! 0 \ , \ v = \!\! 1975 \\ w = \!\! 14 \ , \ h = \!\! 79 \ , \ x = \!\! 1 \ , \ y = \!\! 0 \ , \ v = \!\! 1106 \end{array}$



 $\begin{array}{l} w = & 70 \ , \ h = & 95 \ , \ x = & 30 \ , \ y = & 0 \ , \ v = & 6650 \\ w = & 25 \ , \ h = & 93 \ , \ x = & 5 \ , \ y = & 0 \ , \ v = & 2325 \\ w = & 4 \ , \ h = & 78 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 312 \end{array}$

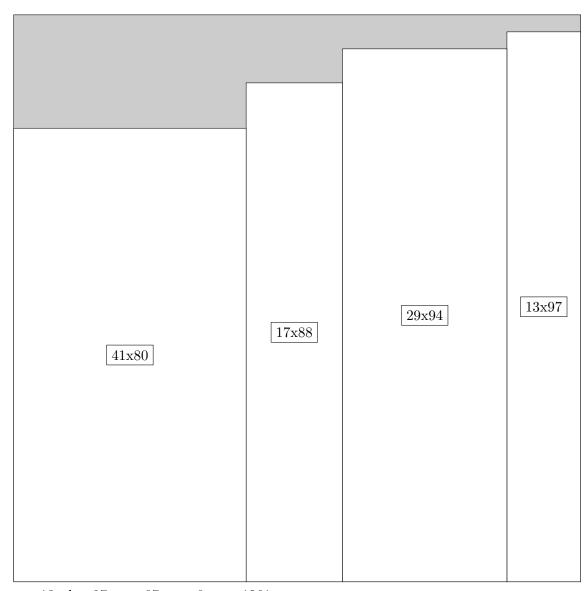


w =11 , h =90 , x =89 , y =0 , v =990 w =11 , h =10 , x =89 , y =90 , v =110

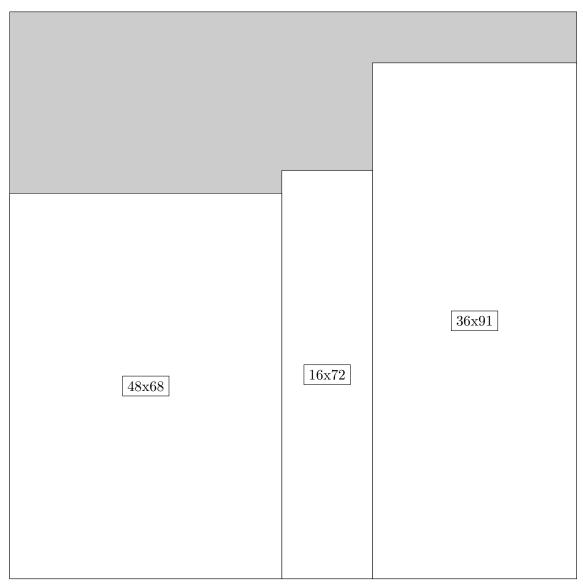
 $\le =49$, h =94 , x =40 , y =0 , v =4606

 $\le =32$, h =84 , x =8 , y =0 , v =2688

 \mathbf{w} =4 , h =74 , x =4 , y =0 , v =296



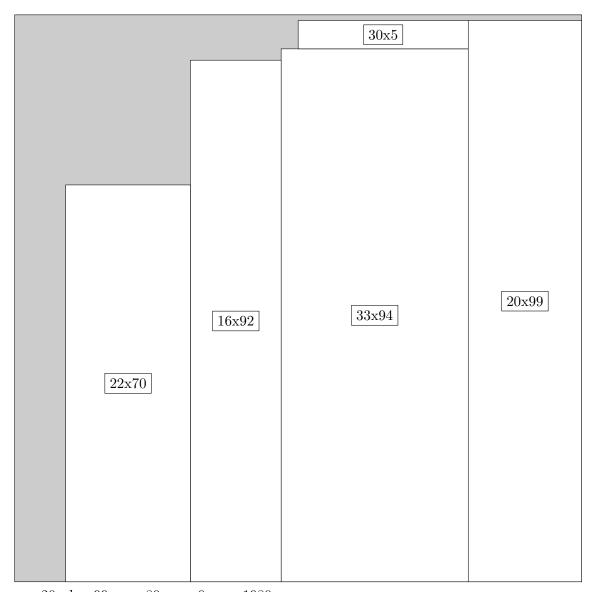
 $\begin{array}{l} w = \! 13 \ , \ h = \! 97 \ , \ x = \! 87 \ , \ y = \! 0 \ , \ v = \! 1261 \\ w = \! 29 \ , \ h = \! 94 \ , \ x = \! 58 \ , \ y = \! 0 \ , \ v = \! 2726 \\ w = \! 17 \ , \ h = \! 88 \ , \ x = \! 41 \ , \ y = \! 0 \ , \ v = \! 1496 \\ w = \! 41 \ , \ h = \! 80 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3280 \end{array}$



$$w = 36$$
, $h = 91$, $x = 64$, $y = 0$, $v = 3276$

$$\le =16$$
 , h =72 , x =48 , y =0 , v =1152

$$\le =48$$
 , h =68 , x =0 , y =0 , v =3264



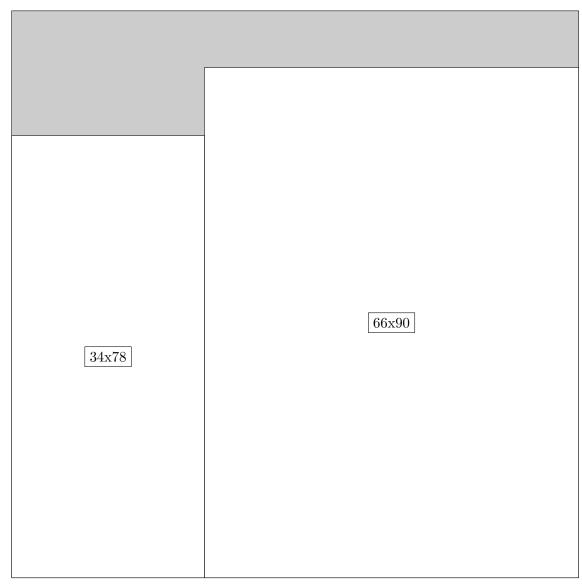
 $\le =20$, h =99 , x =80 , y =0 , v =1980

 $\le =33$, h =94 , x =47 , y =0 , v =3102

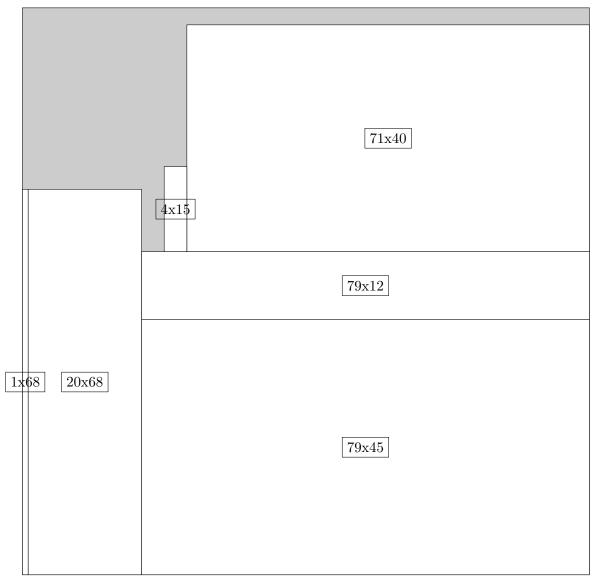
 $\le =30$, h =5 , x =50 , y =94 , v =150

 \mathbf{w} =16 , h =92 , x =31 , y =0 , v =1472

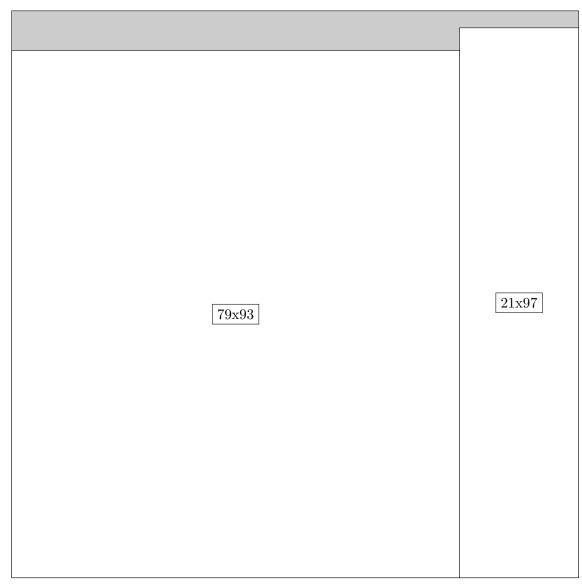
 \mathbf{w} =22 , h =70 , x =9 , y =0 , v =1540



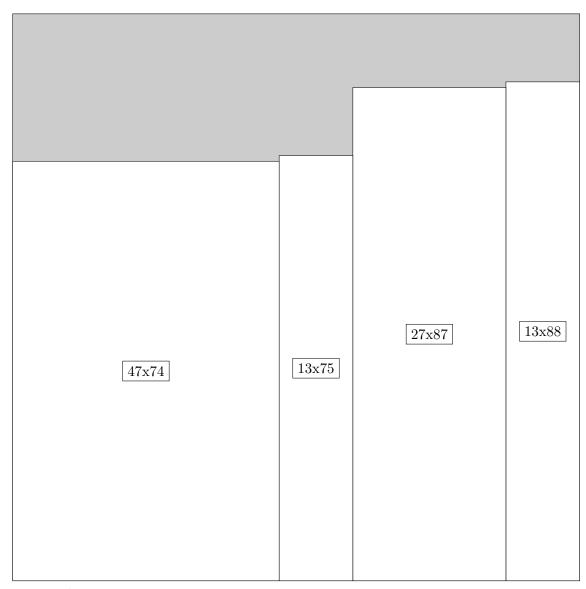
$$\begin{array}{l} w = \!\!66 \ , \ h = \!\!90 \ , \ x = \!\!34 \ , \ y = \!\!0 \ , \ v = \!\!5940 \\ w = \!\!34 \ , \ h = \!\!78 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!2652 \end{array}$$



$$\begin{array}{l} w=79 \;,\; h=45 \;,\; x=21 \;,\; y=0 \;,\; v=3555 \\ w=79 \;,\; h=12 \;,\; x=21 \;,\; y=45 \;,\; v=948 \\ w=71 \;,\; h=40 \;,\; x=29 \;,\; y=57 \;,\; v=2840 \\ w=4 \;,\; h=15 \;,\; x=25 \;,\; y=57 \;,\; v=60 \\ w=20 \;,\; h=68 \;,\; x=1 \;,\; y=0 \;,\; v=1360 \\ w=1 \;,\; h=68 \;,\; x=0 \;,\; y=0 \;,\; v=68 \end{array}$$



$$\begin{array}{l} w = \! 21 \ , \ h = \! 97 \ , \ x = \! 79 \ , \ y = \! 0 \ , \ v = \! 2037 \\ w = \! 79 \ , \ h = \! 93 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7347 \end{array}$$

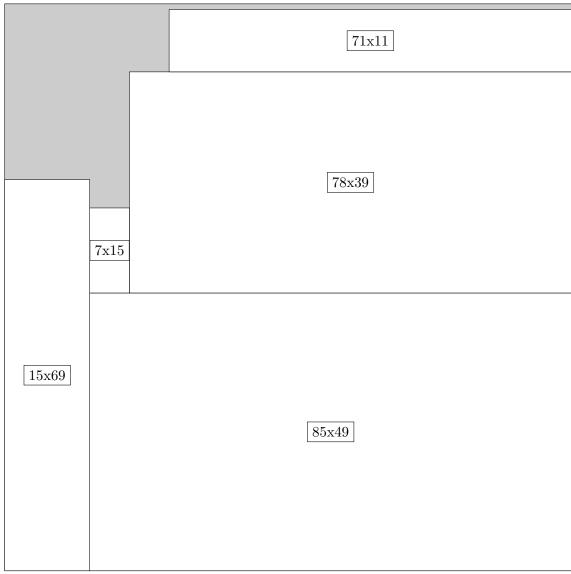


$$\le =13$$
 , h =88 , x =87 , y =0 , v =1144

$$\le =27$$
 , h =87 , x =60 , y =0 , v =2349

$$\le =13$$
 , h =75 , x =47 , y =0 , v =975

$$\mathbf{w}$$
 =47 , h =74 , x =0 , y =0 , v =3478



 $\begin{array}{l} w = \! 85 \ , \ h = \! 49 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 4165 \\ w = \! 78 \ , \ h = \! 39 \ , \ x = \! 22 \ , \ y = \! 49 \ , \ v = \! 3042 \\ w = \! 7 \ , \ h = \! 15 \ , \ x = \! 15 \ , \ y = \! 49 \ , \ v = \! 105 \\ w = \! 71 \ , \ h = \! 11 \ , \ x = \! 29 \ , \ y = \! 88 \ , \ v = \! 781 \\ w = \! 15 \ , \ h = \! 69 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1035 \end{array}$