$ClassName: \ Class_07.2bp-28$

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>140000</u> InS: <u>127187</u> Rate: <u>0.908</u> UB: <u>14</u> LB0: <u>14</u> LB: <u>14</u>

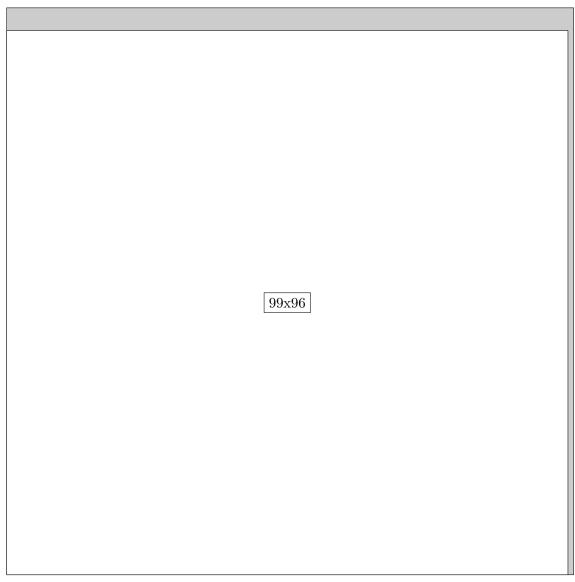
LBWithCut: $\underline{\mathbf{14}}$ NodeCut: $\underline{\mathbf{0}}$

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

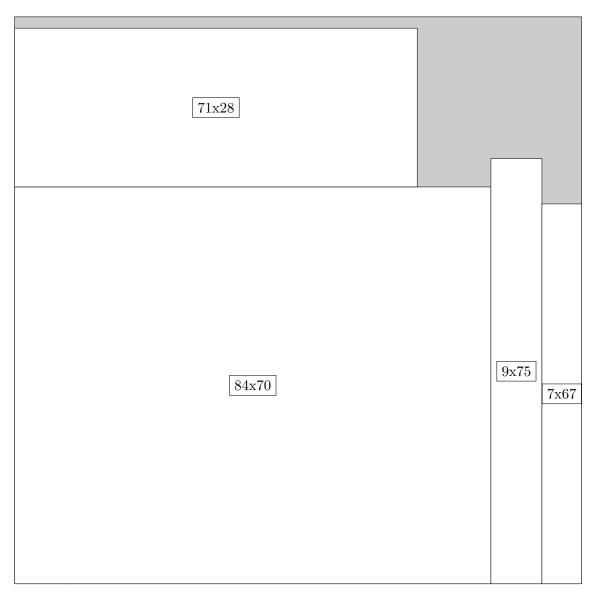
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{14}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.270 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.410 \ s} \end{array}$



 $\overline{\rm w}$ =99 , h =96 , x =0 , y =0 , v =9504

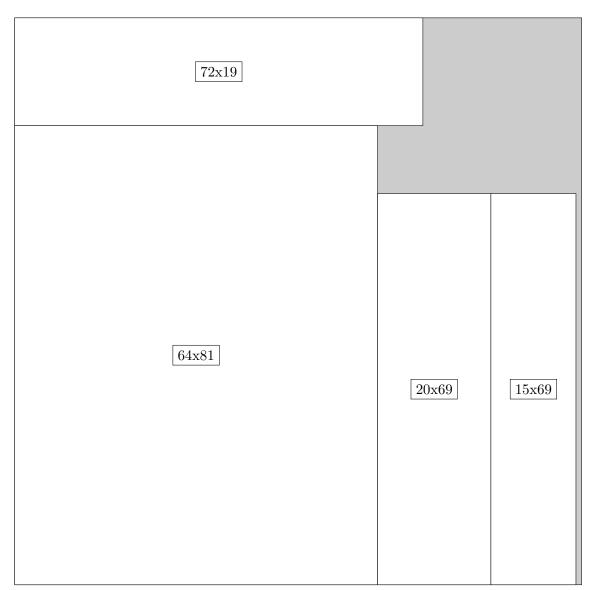


$$\le =84$$
 , h =70 , x =0 , y =0 , v =5880

$$\le =71$$
 , h =28 , x =0 , y =70 , v =1988

$$w=9$$
 , h =75 , x =84 , y =0 , v =675

$$\mathbf{w}$$
 =7 , h =67 , x =93 , y =0 , v =469

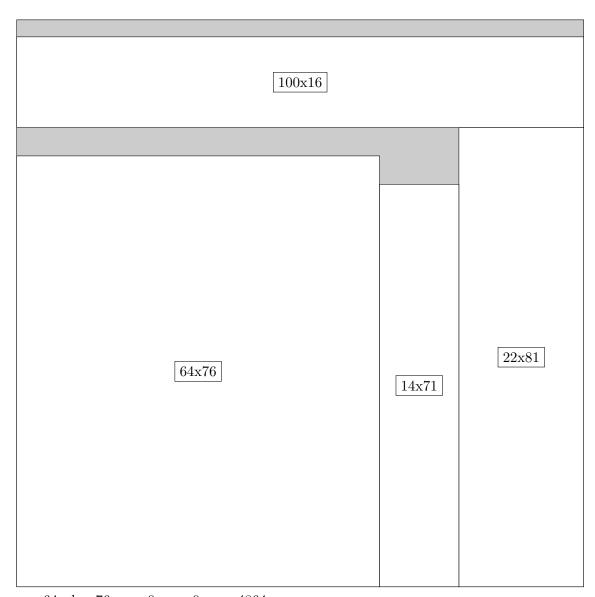


$$\le =64$$
 , h =81 , x =0 , y =0 , v =5184

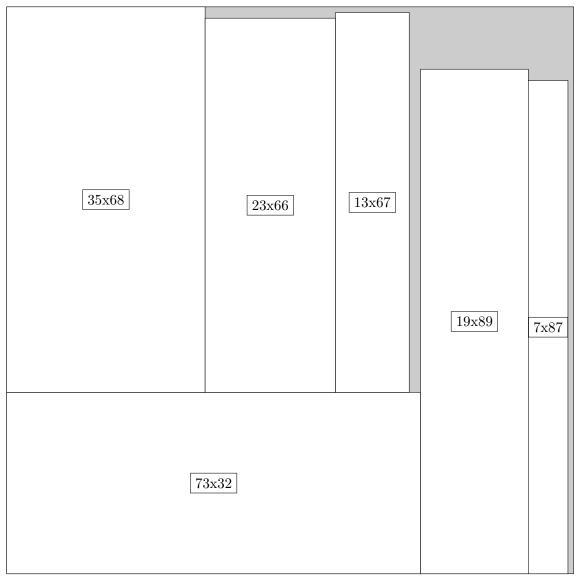
$$\le =20$$
 , $h=69$, $x=64$, $y=0$, $v=1380$

$$\le =72$$
 , h =19 , x =0 , y =81 , v =1368

$$w=\!15$$
 , $h=\!69$, $x=\!84$, $y=\!0$, $v=\!1035$



$$\begin{array}{l} w = \!64 \;,\; h = \!76 \;,\; x = \!0 \;,\; y = \!0 \;,\; v = \!4864 \\ w = \!22 \;,\; h = \!81 \;,\; x = \!78 \;,\; y = \!0 \;,\; v = \!1782 \\ w = \!100 \;,\; h = \!16 \;,\; x = \!0 \;,\; y = \!81 \;,\; v = \!1600 \\ w = \!14 \;,\; h = \!71 \;,\; x = \!64 \;,\; y = \!0 \;,\; v = \!994 \end{array}$$



$$w$$
 =73 , h =32 , x =0 , y =0 , v =2336

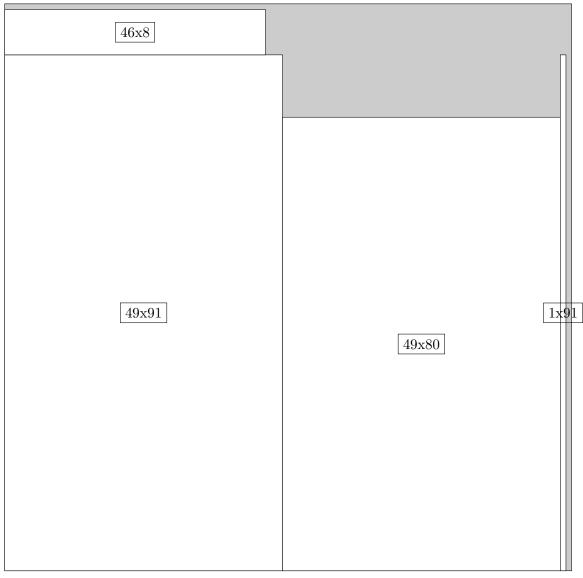
$$w = 35$$
, $h = 68$, $x = 0$, $y = 32$, $v = 2380$

$$\le =19$$
 , h =89 , x =73 , y =0 , v =1691

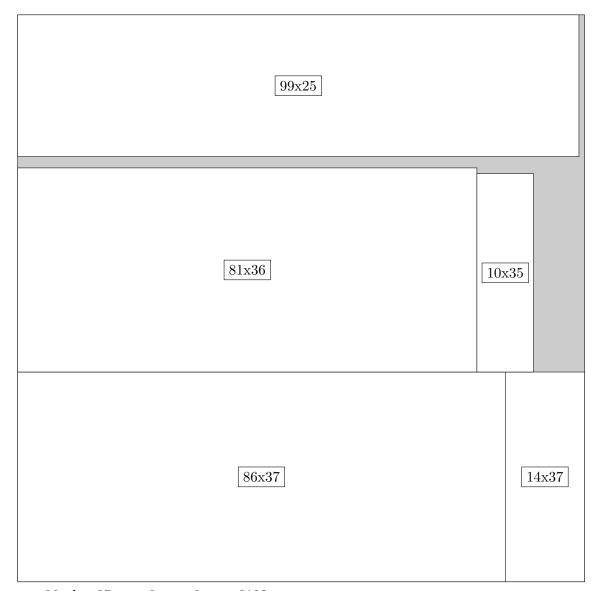
$$\le =23$$
 , h =66 , x =35 , y =32 , v =1518

$$w$$
 =13 , h =67 , x =58 , y =32 , v =871

$$\mathbf{w}$$
 =7 , h =87 , x =92 , y =0 , v =609



 $\begin{array}{l} w = \!\! 49 \ , \ h = \!\! 91 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4459 \\ w = \!\! 49 \ , \ h = \!\! 80 \ , \ x = \!\! 49 \ , \ y = \!\! 0 \ , \ v = \!\! 3920 \\ w = \!\! 46 \ , \ h = \!\! 8 \ , \ x = \!\! 0 \ , \ y = \!\! 91 \ , \ v = \!\! 368 \\ w = \!\! 1 \ , \ h = \!\! 91 \ , \ x = \!\! 98 \ , \ y = \!\! 0 \ , \ v = \!\! 91 \end{array}$



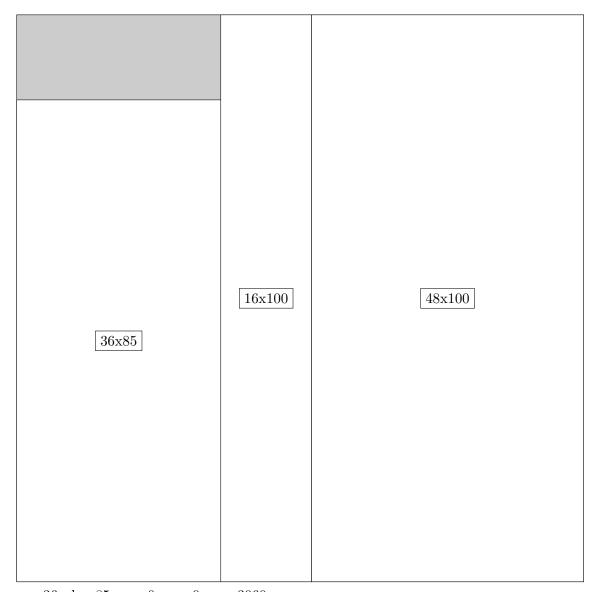
$$\le =86$$
 , $h=37$, $x=0$, $y=0$, $v=3182$

$$\le =81$$
 , h =36 , x =0 , y =37 , v =2916

$$\le =99$$
 , h =25 , x =0 , y =75 , v =2475

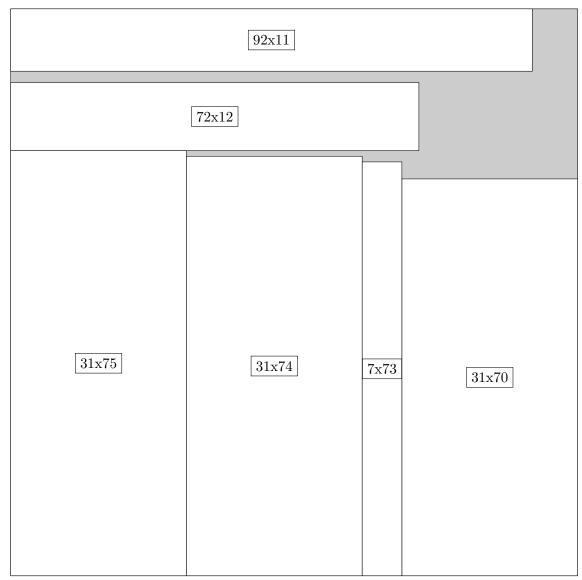
$$\le =14$$
 , $h=37$, $x=86$, $y=0$, $v=518$

$$w$$
 =10 , h =35 , x =81 , y =37 , v =350



 $\begin{array}{l} w = \! 36 \ , \ h = \! 85 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3060 \\ w = \! 48 \ , \ h = \! 100 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 4800 \end{array}$

 $\le =16$, h =100 , x =36 , y =0 , v =1600



$$\mathbf{w}$$
 =31 , h =75 , x =0 , y =0 , v =2325

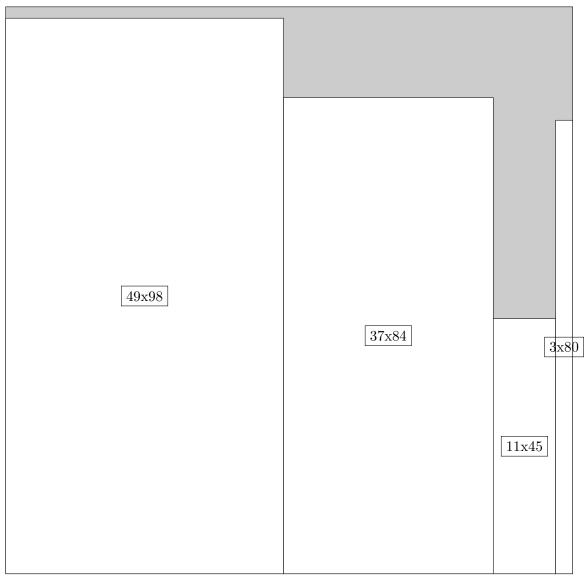
$$\le =31$$
 , h =74 , x =31 , y =0 , v =2294

$$\le =31$$
 , h =70 , x =69 , y =0 , v =2170

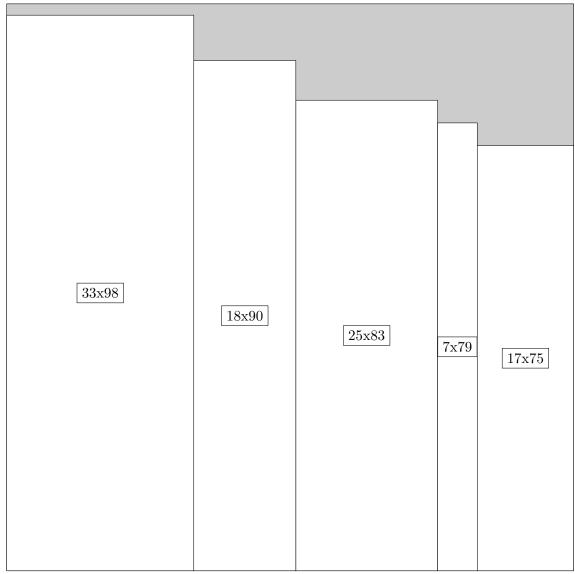
$$\le =92$$
 , h =11 , x =0 , y =89 , v =1012

$$\mathbf{w}$$
 =72 , h =12 , x =0 , y =75 , v =864

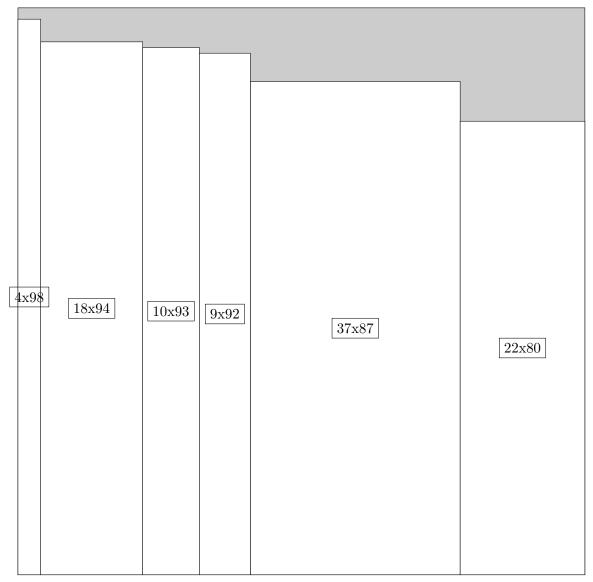
$$w$$
 =7 , h =73 , x =62 , y =0 , v =511



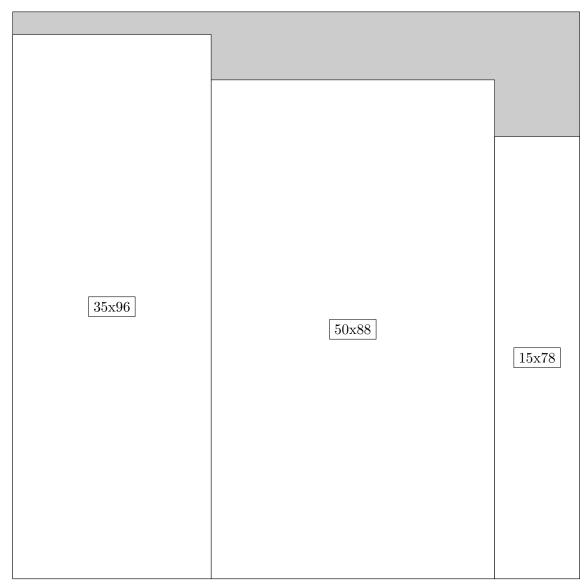
 $\begin{array}{l} w = \!\! 49 \ , \ h = \!\! 98 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4802 \\ w = \!\! 37 \ , \ h = \!\! 84 \ , \ x = \!\! 49 \ , \ y = \!\! 0 \ , \ v = \!\! 3108 \\ w = \!\! 11 \ , \ h = \!\! 45 \ , \ x = \!\! 86 \ , \ y = \!\! 0 \ , \ v = \!\! 495 \\ w = \!\! 3 \ , \ h = \!\! 80 \ , \ x = \!\! 97 \ , \ y = \!\! 0 \ , \ v = \!\! 240 \end{array}$



$$\begin{array}{l} w = \! 33 \ , \ h = \! 98 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3234 \\ w = \! 25 \ , \ h = \! 83 \ , \ x = \! 51 \ , \ y = \! 0 \ , \ v = \! 2075 \\ w = \! 18 \ , \ h = \! 90 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 1620 \\ w = \! 17 \ , \ h = \! 75 \ , \ x = \! 83 \ , \ y = \! 0 \ , \ v = \! 1275 \\ w = \! 7 \ , \ h = \! 79 \ , \ x = \! 76 \ , \ y = \! 0 \ , \ v = \! 553 \end{array}$$



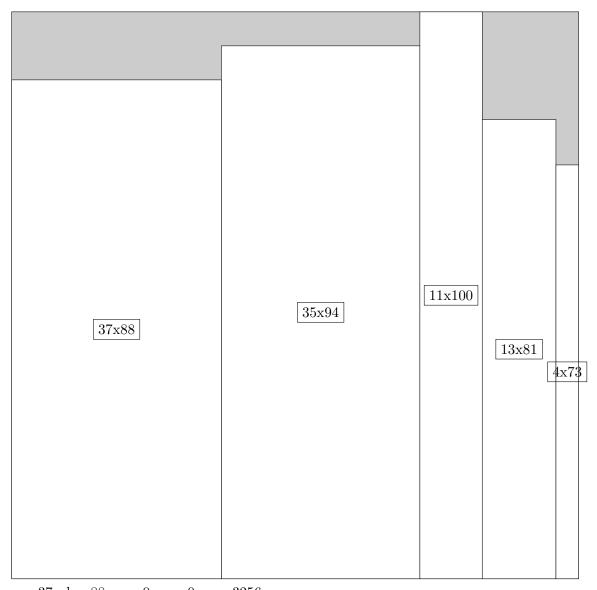
$$\begin{array}{l} w = 37 \; , \; h = 87 \; , \; x = 41 \; , \; y = 0 \; , \; v = 3219 \\ w = 22 \; , \; h = 80 \; , \; x = 78 \; , \; y = 0 \; , \; v = 1760 \\ w = 18 \; , \; h = 94 \; , \; x = 4 \; , \; y = 0 \; , \; v = 1692 \\ w = 10 \; , \; h = 93 \; , \; x = 22 \; , \; y = 0 \; , \; v = 930 \\ w = 9 \; , \; h = 92 \; , \; x = 32 \; , \; y = 0 \; , \; v = 828 \\ w = 4 \; , \; h = 98 \; , \; x = 0 \; , \; y = 0 \; , \; v = 392 \end{array}$$



$$w = 50$$
 , $h = 88$, $x = 35$, $y = 0$, $v = 4400$

$$\le =35$$
 , h =96 , x =0 , y =0 , v =3360

$$\le =15$$
 , $h=78$, $x=85$, $y=0$, $v=1170$



 $\begin{array}{l} w = \!\! 37 \;,\; h = \!\! 88 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 3256 \\ w = \!\! 35 \;,\; h = \!\! 94 \;,\; x = \!\! 37 \;,\; y = \!\! 0 \;,\; v = \!\! 3290 \\ w = \!\! 11 \;,\; h = \!\! 100 \;,\; x = \!\! 72 \;,\; y = \!\! 0 \;,\; v = \!\! 1100 \\ w = \!\! 13 \;,\; h = \!\! 81 \;,\; x = \!\! 83 \;,\; y = \!\! 0 \;,\; v = \!\! 1053 \\ w = \!\! 4 \;,\; h = \!\! 73 \;,\; x = \!\! 96 \;,\; y = \!\! 0 \;,\; v = \!\! 292 \end{array}$