$ClassName: \ Class_07.2bp-25$

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

TypeNum: <u>60</u>
Num: <u>60</u>
OutS: <u>150000</u>
InS: <u>121269</u>
Rate: <u>0.808</u>
UB: <u>15</u>
LB0: <u>15</u>
LB: <u>15</u>

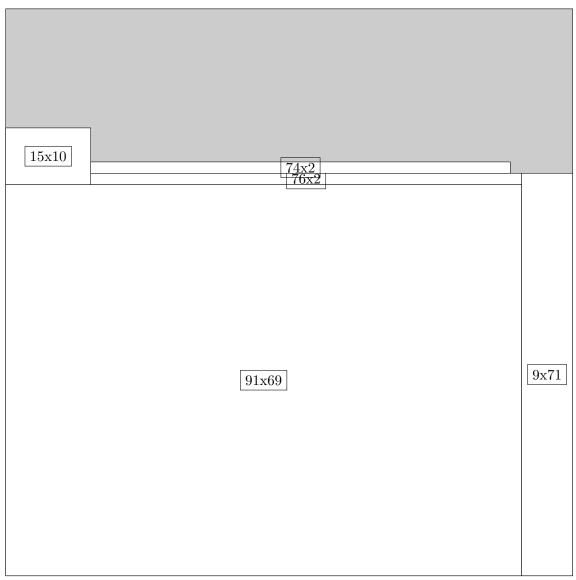
LBWithCut: $\underline{\bf 15}$ NodeCut: $\underline{\bf 0}$

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

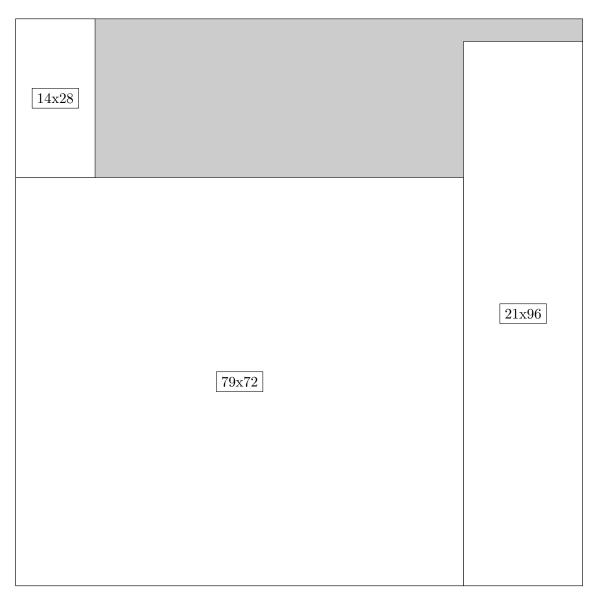
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{15}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.020 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.145 \ s} \end{array}$



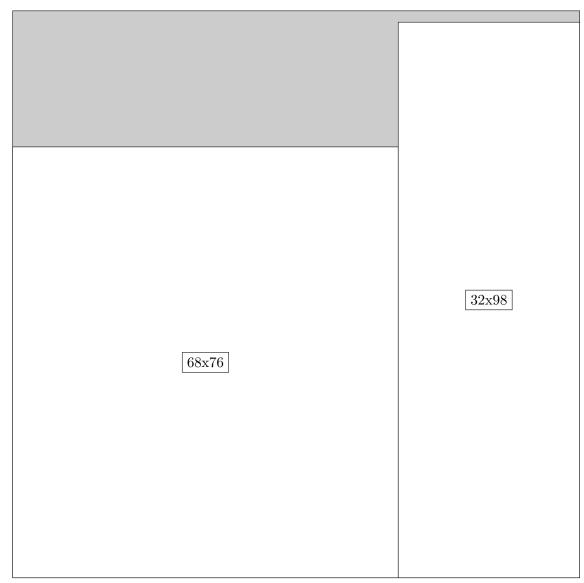
$$\begin{array}{l} w = \! 91 \; , \; h = \! 69 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6279 \\ w = \! 9 \; , \; h = \! 71 \; , \; x = \! 91 \; , \; y = \! 0 \; , \; v = \! 639 \\ w = \! 76 \; , \; h = \! 2 \; , \; x = \! 15 \; , \; y = \! 69 \; , \; v = \! 152 \\ w = \! 15 \; , \; h = \! 10 \; , \; x = \! 0 \; , \; y = \! 69 \; , \; v = \! 150 \\ w = \! 74 \; , \; h = \! 2 \; , \; x = \! 15 \; , \; y = \! 71 \; , \; v = \! 148 \end{array}$$

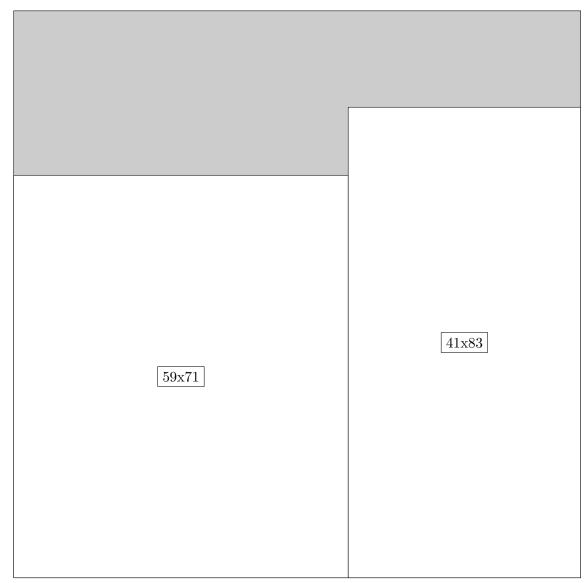


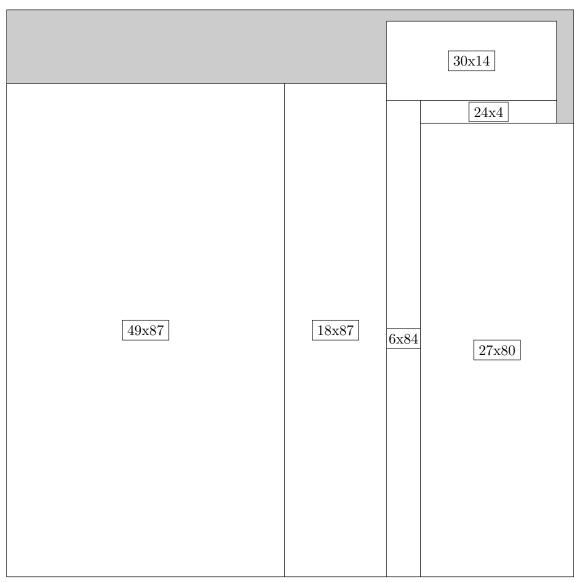
$$w = 79$$
, $h = 72$, $x = 0$, $y = 0$, $v = 5688$

$$\le =21$$
 , h =96 , x =79 , y =0 , v =2016

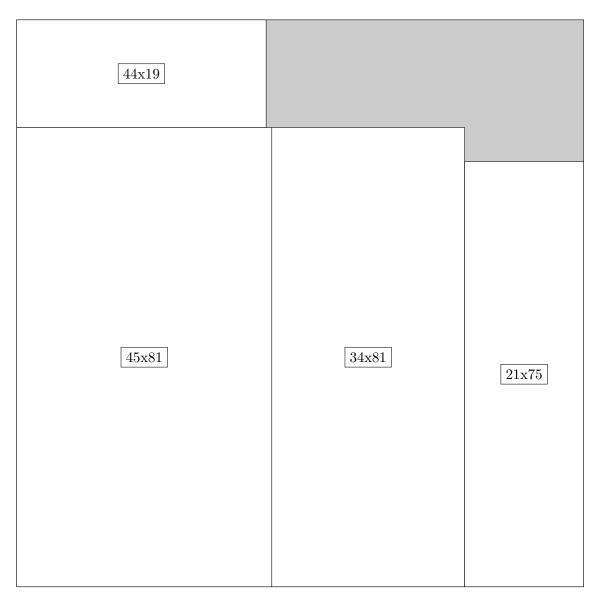
$$\le =14$$
 , h =28 , x =0 , y =72 , v =392







$$\begin{array}{l} w=49\;,\; h=87\;,\; x=0\;,\; y=0\;,\; v=4263\\ w=6\;,\; h=84\;,\; x=67\;,\; y=0\;,\; v=504\\ w=27\;,\; h=80\;,\; x=73\;,\; y=0\;,\; v=2160\\ w=18\;,\; h=87\;,\; x=49\;,\; y=0\;,\; v=1566\\ w=30\;,\; h=14\;,\; x=67\;,\; y=84\;,\; v=420\\ w=24\;,\; h=4\;,\; x=73\;,\; y=80\;,\; v=96 \end{array}$$

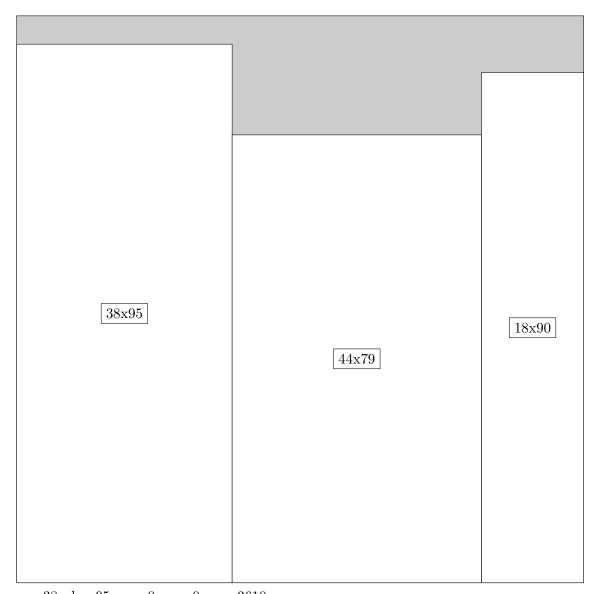


$$w = 45$$
, $h = 81$, $x = 0$, $y = 0$, $v = 3645$

$$\le =34$$
 , h =81 , x =45 , y =0 , v =2754

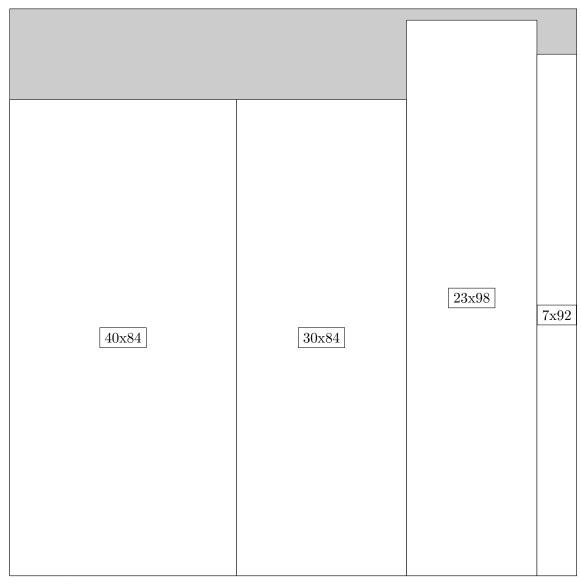
$$\le =21$$
 , h =75 , x =79 , y =0 , v =1575

$$\mathbf{w}$$
 =44 , h =19 , x =0 , y =81 , v =836

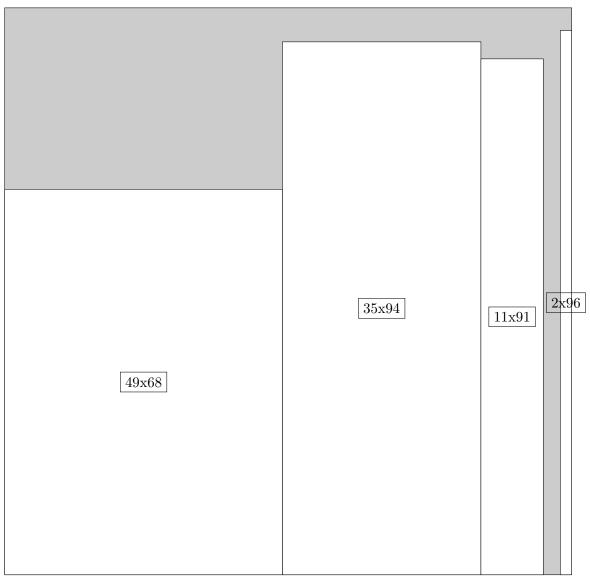


$$\begin{array}{l} w = \! 38 \; , \; h = \! 95 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3610 \\ w = \! 44 \; , \; h = \! 79 \; , \; x = \! 38 \; , \; y = \! 0 \; , \; v = \! 3476 \end{array}$$

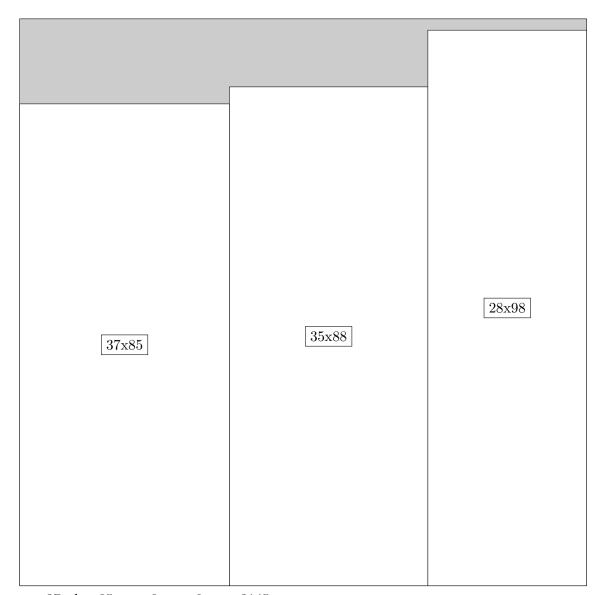
$$\mathbf{w}$$
 =18 , h =90 , x =82 , y =0 , v =1620



 $\begin{array}{l} w = \!\! 40 \ , \ h = \!\! 84 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3360 \\ w = \!\! 30 \ , \ h = \!\! 84 \ , \ x = \!\! 40 \ , \ y = \!\! 0 \ , \ v = \!\! 2520 \\ w = \!\! 23 \ , \ h = \!\! 98 \ , \ x = \!\! 70 \ , \ y = \!\! 0 \ , \ v = \!\! 2254 \\ w = \!\! 7 \ , \ h = \!\! 92 \ , \ x = \!\! 93 \ , \ y = \!\! 0 \ , \ v = \!\! 644 \end{array}$

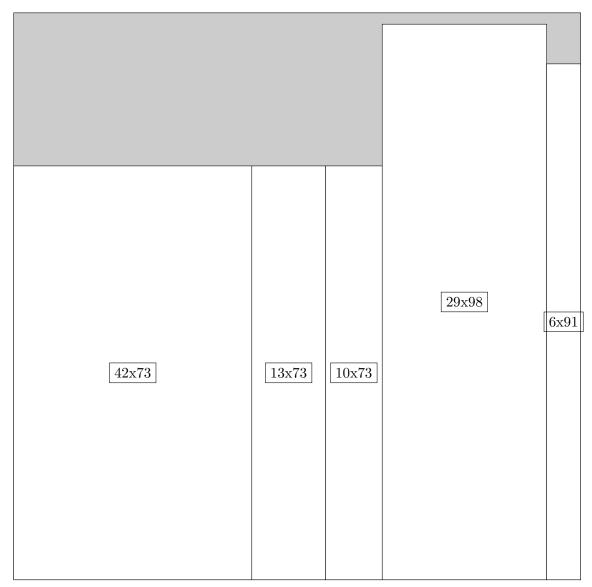


 $\begin{array}{l} w = \!\! 49 \ , \ h = \!\! 68 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3332 \\ w = \!\! 35 \ , \ h = \!\! 94 \ , \ x = \!\! 49 \ , \ y = \!\! 0 \ , \ v = \!\! 3290 \\ w = \!\! 11 \ , \ h = \!\! 91 \ , \ x = \!\! 84 \ , \ y = \!\! 0 \ , \ v = \!\! 1001 \\ w = \!\! 2 \ , \ h = \!\! 96 \ , \ x = \!\! 98 \ , \ y = \!\! 0 \ , \ v = \!\! 192 \end{array}$



$$\begin{array}{l} w = \!\! 37 \ , \ h = \!\! 85 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3145 \\ w = \!\! 35 \ , \ h = \!\! 88 \ , \ x = \!\! 37 \ , \ y = \!\! 0 \ , \ v = \!\! 3080 \end{array}$$

$$\le =28$$
 , $= =98$, $= =72$, $y = =0$, $v = = =2744$



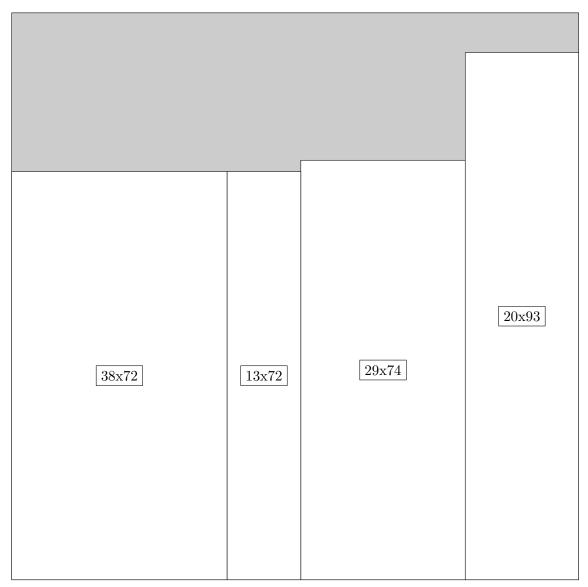
$$\mathbf{w}$$
 =42 , h =73 , x =0 , y =0 , v =3066

$$\le =29$$
 , h =98 , x =65 , y =0 , v =2842

$$\le =13$$
 , h =73 , x =42 , y =0 , v =949

$$\mathbf{w}$$
 =10 , h =73 , x =55 , y =0 , v =730

$$w = 6$$
, $h = 91$, $x = 94$, $y = 0$, $v = 546$

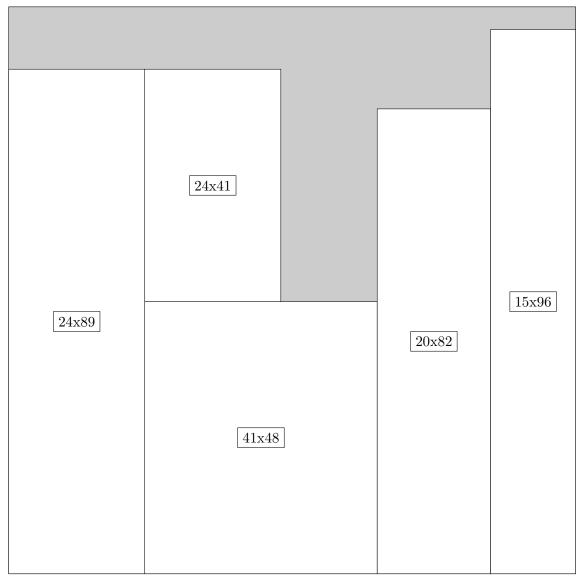


$$\mathbf{w}$$
 =38 , h =72 , x =0 , y =0 , v =2736

$$\le =29$$
 , h =74 , x =51 , y =0 , v =2146

$$\le =20$$
 , h =93 , x =80 , y =0 , v =1860

$$\mathbf{w}$$
 =13 , h =72 , x =38 , y =0 , v =936



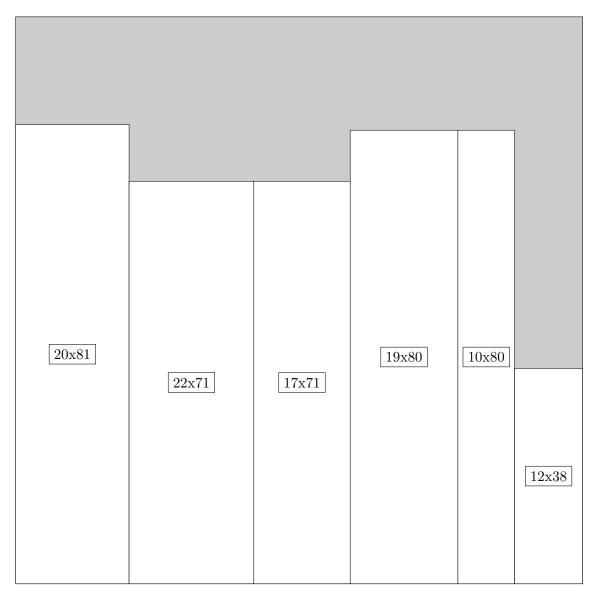
$$\mathbf{w}$$
 =24 , h =89 , x =0 , y =0 , v =2136

$$\le =41$$
 , $h=48$, $x=24$, $y=0$, $v=1968$

$$\mathbf{w}$$
 =20 , h =82 , x =65 , y =0 , v =1640

$$\mathbf{w}$$
 =15 , h =96 , x =85 , y =0 , v =1440

$$w$$
 =24 , h =41 , x =24 , y =48 , v =984



$$w$$
 =20 , h =81 , x =0 , y =0 , v =1620

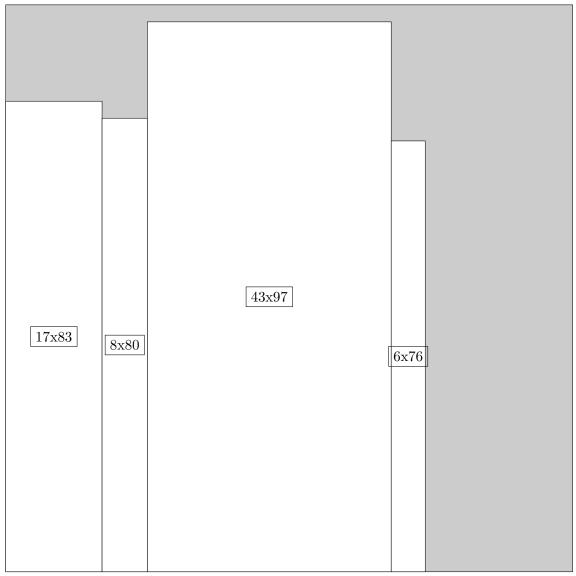
$$\le =22$$
 , h =71 , x =20 , y =0 , v =1562

$$\le =19$$
 , h =80 , x =59 , y =0 , v =1520

$$\mathbf{w}$$
 =17 , h =71 , x =42 , y =0 , v =1207

$$\mathbf{w}$$
 =10 , h =80 , x =78 , y =0 , v =800

$$\le =12$$
 , $h=38$, $x=88$, $y=0$, $v=456$



 $\begin{array}{l} w = & 17 \;,\; h = & 83 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 1411 \\ w = & 8 \;,\; h = & 80 \;,\; x = & 17 \;,\; y = & 0 \;,\; v = & 640 \\ w = & 43 \;,\; h = & 97 \;,\; x = & 25 \;,\; y = & 0 \;,\; v = & 4171 \\ w = & 6 \;,\; h = & 76 \;,\; x = & 68 \;,\; y = & 0 \;,\; v = & 456 \end{array}$