$ClassName: \ Class_08.2bp-23$

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>150000</u> InS: <u>124539</u> Rate: <u>0.830</u> UB: <u>15</u> LB0: <u>15</u>

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

LB: **15**

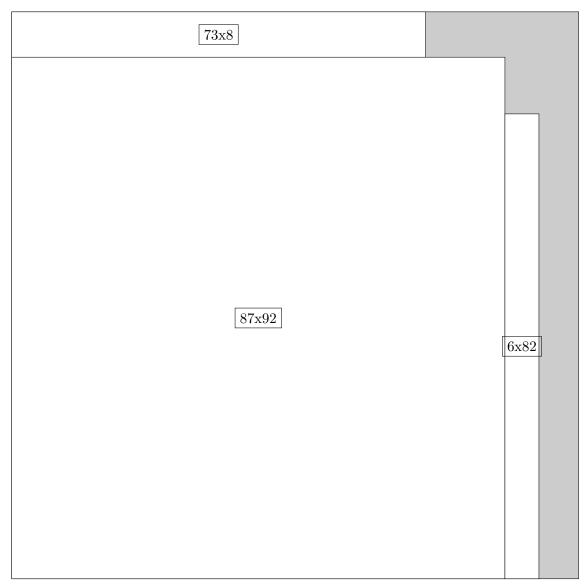
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 15
TotalCutCount: 0
RootCutCount: 1
PricingSolverCnt: 1
PricingSolverCnt: 0
Branch And Bound Nu

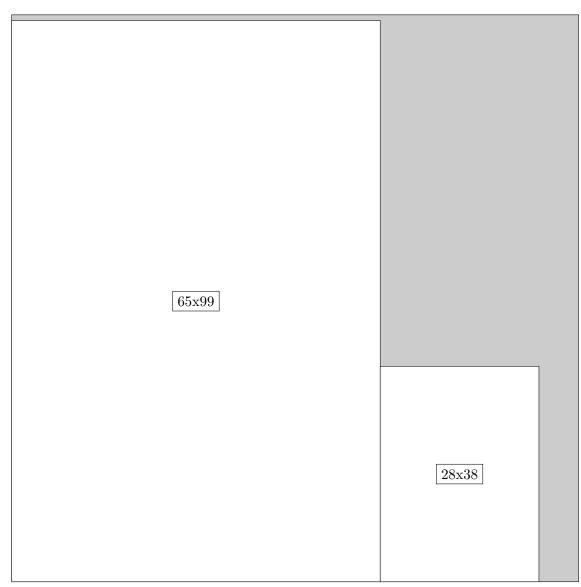
Branch And
Bound Num: $\underline{\mathbf{1}}$

is Opt: $\underline{\mathbf{true}}$

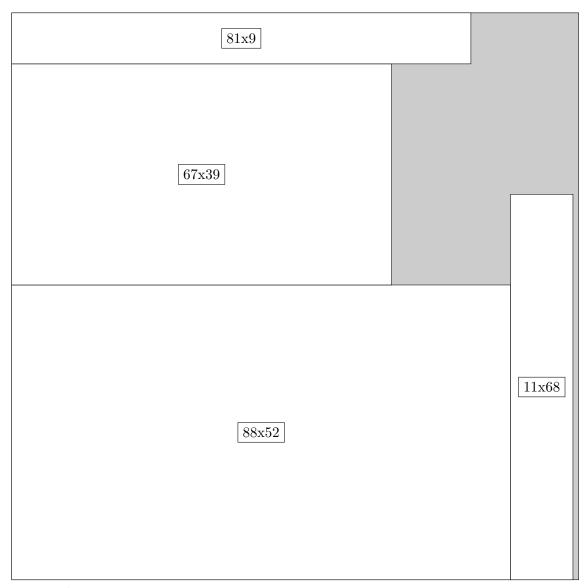
TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.063 \text{ s}}$ TotalTime: $\underline{0.141 \text{ s}}$



 $\begin{array}{l} w = \! 87 \; , \; h = \! 92 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8004 \\ w = \! 73 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 92 \; , \; v = \! 584 \\ w = \! 6 \; , \; h = \! 82 \; , \; x = \! 87 \; , \; y = \! 0 \; , \; v = \! 492 \end{array}$



$$\begin{array}{c} w = \!\! 65 \; , \; h = \!\! 99 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 6435 \\ w = \!\! 28 \; , \; h = \!\! 38 \; , \; x = \!\! 65 \; , \; y = \!\! 0 \; , \; v = \!\! 1064 \\ \end{array}$$

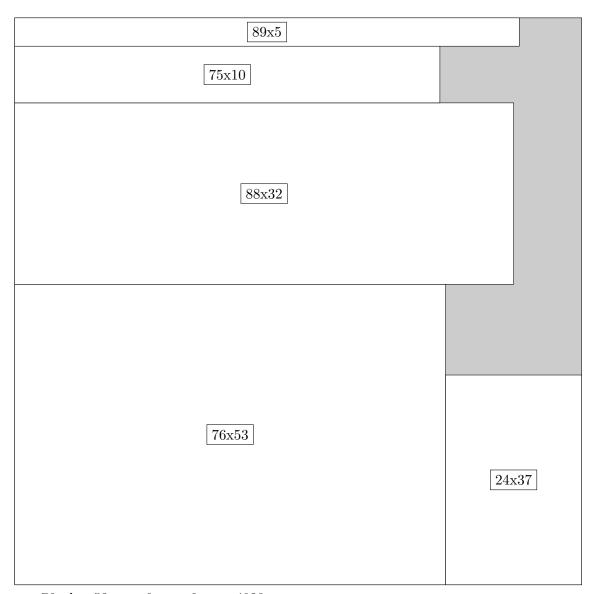


$$\le =88$$
 , h =52 , x =0 , y =0 , v =4576

$$w = 67$$
, $h = 39$, $x = 0$, $y = 52$, $v = 2613$

$$\le =11$$
 , h =68 , x =88 , y =0 , v =748

$$\le =81$$
 , $h=9$, $x=0$, $y=91$, $v=729$



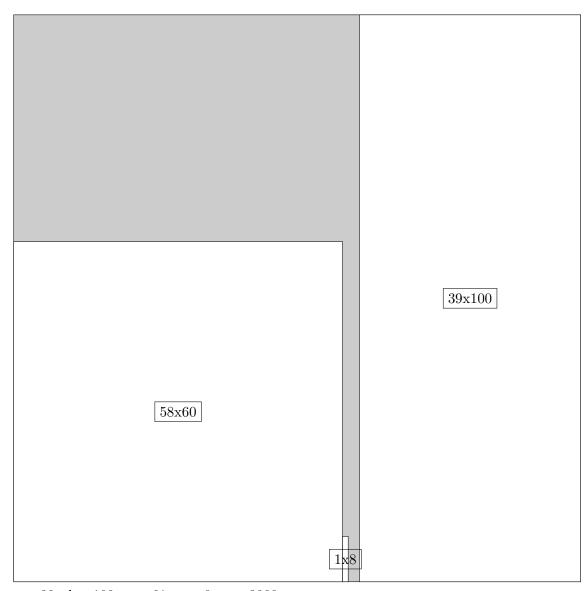
$$\mathbf{w}$$
 =76 , h =53 , x =0 , y =0 , v =4028

$$\le =88$$
 , $h=32$, $x=0$, $y=53$, $v=2816$

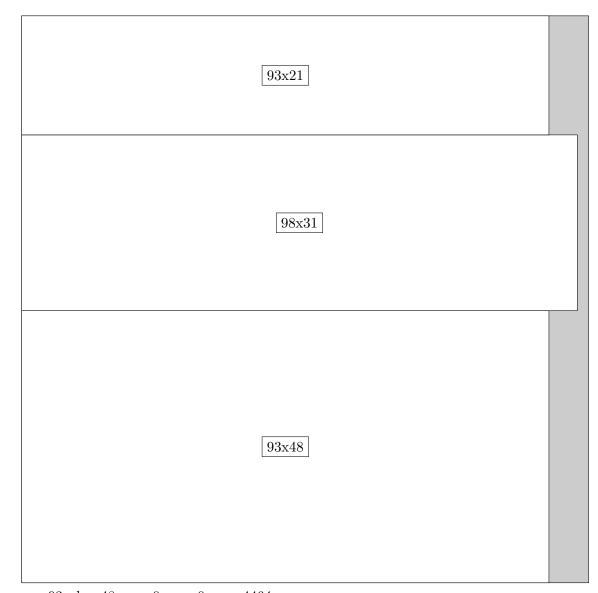
$$\le =24$$
 , $h=37$, $x=76$, $y=0$, $v=888$

$$\mathbf{w}$$
 =75 , h =10 , x =0 , y =85 , v =750

$$\le =89$$
 , h =5 , x =0 , y =95 , v =445

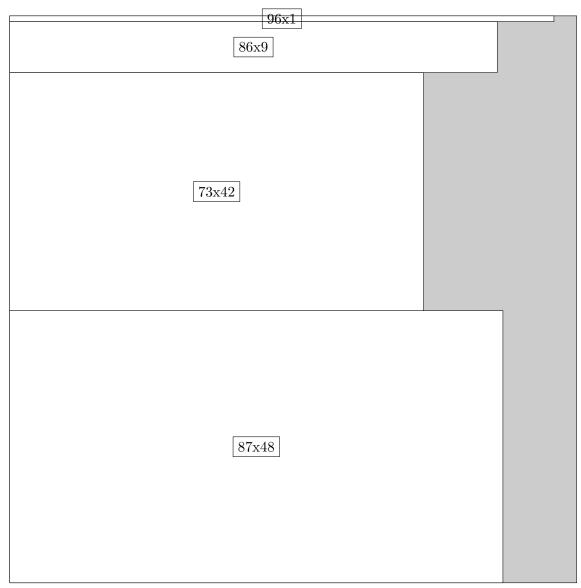


 $\begin{array}{l} w = & 39 \ , \ h = & 100 \ , \ x = & 61 \ , \ y = & 0 \ , \ v = & 3900 \\ w = & 58 \ , \ h = & 60 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3480 \\ w = & 1 \ , \ h = & 8 \ , \ x = & 58 \ , \ y = & 0 \ , \ v = & 8 \end{array}$

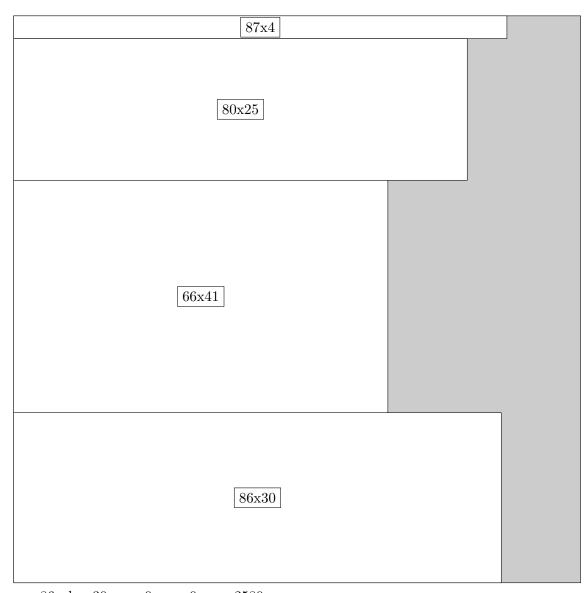


$$\begin{array}{l} w = \! 93 \ , \ h = \! 48 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4464 \\ w = \! 98 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 48 \ , \ v = \! 3038 \end{array}$$

$$\le =93$$
 , h =21 , x =0 , y =79 , v =1953



$$\begin{array}{l} w = \!\!87 \;,\; h = \!\!48 \;,\; x = \!\!0 \;,\; y = \!\!0 \;,\; v = \!\!4176 \\ w = \!\!73 \;,\; h = \!\!42 \;,\; x = \!\!0 \;,\; y = \!\!48 \;,\; v = \!\!3066 \\ w = \!\!86 \;,\; h = \!\!9 \;,\; x = \!\!0 \;,\; y = \!\!90 \;,\; v = \!\!774 \\ w = \!\!96 \;,\; h = \!\!1 \;,\; x = \!\!0 \;,\; y = \!\!99 \;,\; v = \!\!96 \end{array}$$

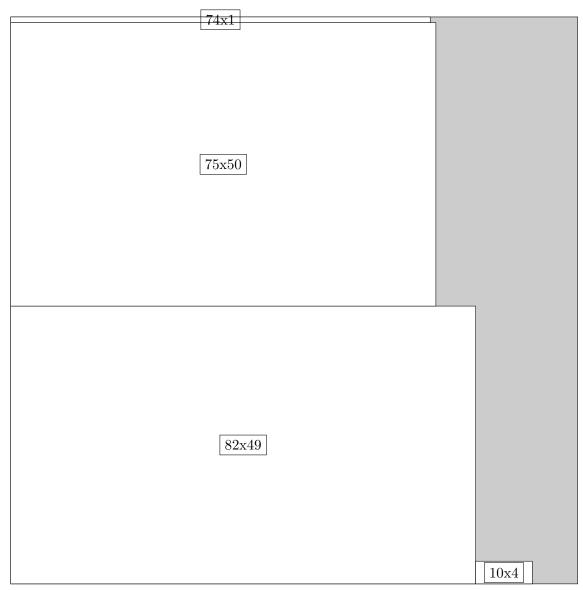


$$\le =86$$
 , h =30 , x =0 , y =0 , v =2580

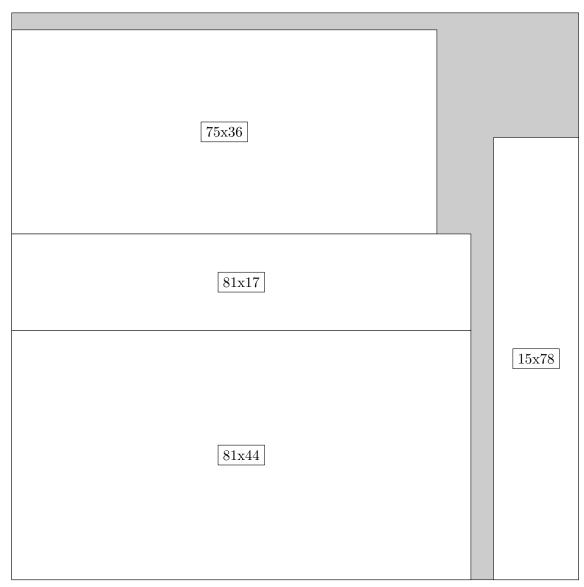
$$\le =66$$
 , h =41 , x =0 , y =30 , v =2706

$$\le =80$$
 , h =25 , x =0 , y =71 , v =2000

$$\le =87$$
 , h =4 , x =0 , y =96 , v =348



$$\begin{array}{l} w = & 82 \ , \ h = & 49 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 4018 \\ w = & 75 \ , \ h = & 50 \ , \ x = & 0 \ , \ y = & 49 \ , \ v = & 3750 \\ w = & 74 \ , \ h = & 1 \ , \ x = & 0 \ , \ y = & 99 \ , \ v = & 74 \\ w = & 10 \ , \ h = & 4 \ , \ x = & 82 \ , \ y = & 0 \ , \ v = & 40 \end{array}$$

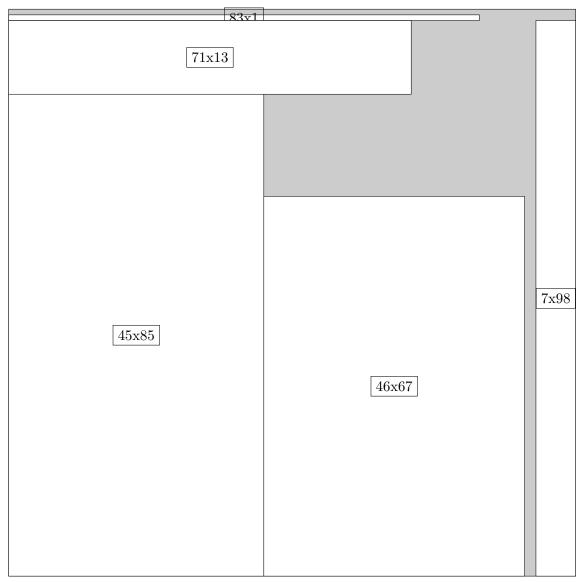


$$\mathbf{w}$$
 =81 , h =44 , x =0 , y =0 , v =3564

$$\le =75$$
 , h =36 , x =0 , y =61 , v =2700

$$\le =81$$
 , h =17 , x =0 , y =44 , v =1377

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

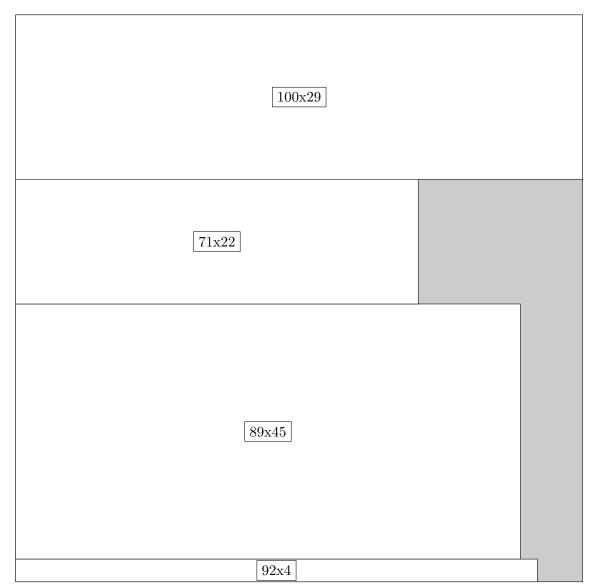


$$\begin{array}{l} w = \!\! 45 \ , \ h = \!\! 85 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3825 \\ w = \!\! 46 \ , \ h = \!\! 67 \ , \ x = \!\! 45 \ , \ y = \!\! 0 \ , \ v = \!\! 3082 \end{array}$$

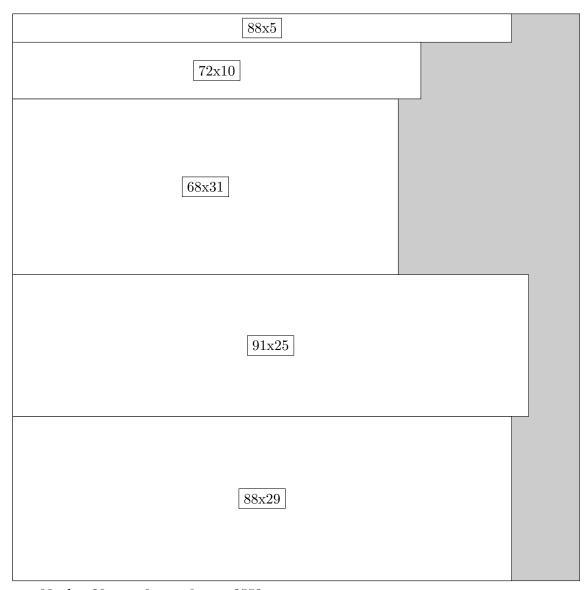
$$w = 83$$
, $h = 1$, $x = 0$, $y = 98$, $v = 83$

$$\mathbf{w}$$
 =7 , h =98 , x =93 , y =0 , v =686

$$\le =71$$
 , $h=13$, $x=0$, $y=85$, $v=923$



$$\begin{array}{l} w = \! 89 \;, \; h = \! 45 \;, \; x = \! 0 \;, \; y = \! 4 \;, \; v = \! 4005 \\ w = \! 100 \;, \; h = \! 29 \;, \; x = \! 0 \;, \; y = \! 71 \;, \; v = \! 2900 \\ w = \! 71 \;, \; h = \! 22 \;, \; x = \! 0 \;, \; y = \! 49 \;, \; v = \! 1562 \\ w = \! 92 \;, \; h = \! 4 \;, \; x = \! 0 \;, \; y = \! 0 \;, \; v = \! 368 \end{array}$$



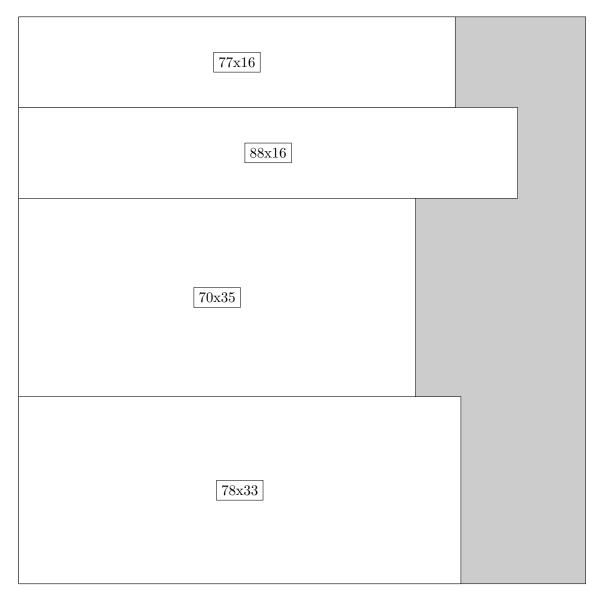
$$\le =88$$
 , h =29 , x =0 , y =0 , v =2552

$$\le =91$$
 , h =25 , x =0 , y =29 , v =2275

$$\le =68$$
 , h =31 , x =0 , y =54 , v =2108

$$\mathbf{w}$$
 =72 , h =10 , x =0 , y =85 , v =720

$$\le =88$$
 , h =5 , x =0 , y =95 , v =440

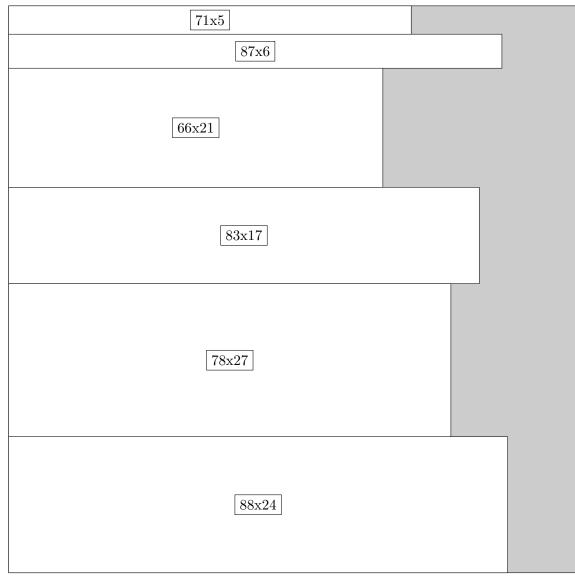


$$\mathbf{w}$$
 =78 , h =33 , x =0 , y =0 , v =2574

$$w = 70$$
, $h = 35$, $x = 0$, $y = 33$, $v = 2450$

$$\le =88$$
 , h =16 , x =0 , y =68 , v =1408

$$\mathbf{w}$$
 =77 , h =16 , x =0 , y =84 , v =1232



$$w = 88$$
, $h = 24$, $x = 0$, $y = 0$, $v = 2112$

$$w$$
 =78 , h =27 , x =0 , y =24 , v =2106

$$\le =83$$
 , h =17 , x =0 , y =51 , v =1411

$$\le =66$$
 , h =21 , x =0 , y =68 , v =1386

$$\le =87$$
 , h =6 , x =0 , y =89 , v =522

$$w$$
 =71 , h =5 , x =0 , y =95 , v =355