${\bf ClassName:}\ {\bf Class\_10.2bp\text{-}20}$ 

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>120000</u> InS: <u>103184</u> Rate: <u>0.860</u> UB: <u>12</u> LB0: <u>11</u>

LBWithCut:  $\underline{\mathbf{12}}$ NodeCut:  $\underline{\mathbf{0}}$ 

LB: **12** 

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

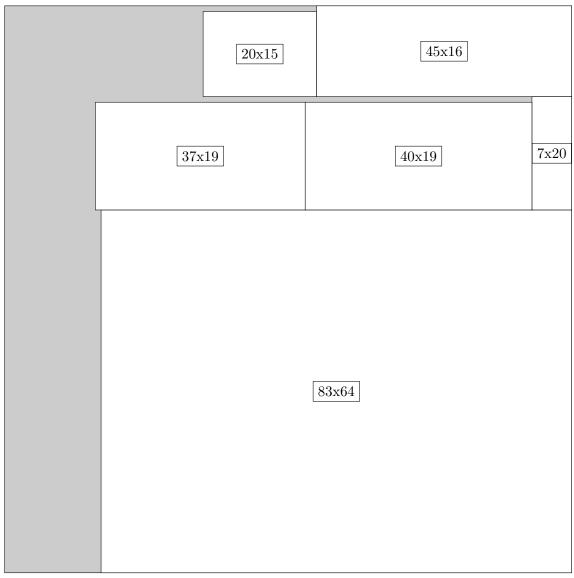
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{49}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{38}}$ PricingSolverCnt:  $\underline{\mathbf{38}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

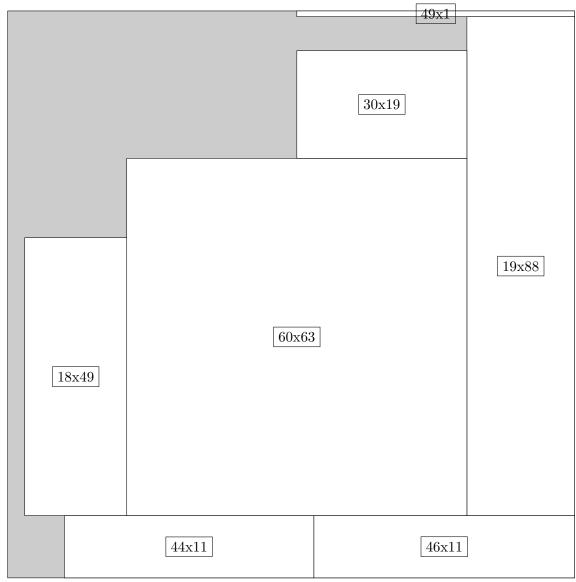
TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal: <u>0.000 s</u>
TimeOnPricing: <u>2999.666 s</u>

 $\begin{array}{l} {\rm TimeOnRmp:}~\underline{0.079~s} \\ {\rm TotalTime:}~3600.011~s \end{array}$ 



$$\begin{array}{l} w = 83 \; , \; h = 64 \; , \; x = 17 \; , \; y = 0 \; , \; v = 5312 \\ w = 7 \; , \; h = 20 \; , \; x = 93 \; , \; y = 64 \; , \; v = 140 \\ w = 40 \; , \; h = 19 \; , \; x = 53 \; , \; y = 64 \; , \; v = 760 \\ w = 37 \; , \; h = 19 \; , \; x = 16 \; , \; y = 64 \; , \; v = 703 \\ w = 45 \; , \; h = 16 \; , \; x = 55 \; , \; y = 84 \; , \; v = 720 \\ w = 20 \; , \; h = 15 \; , \; x = 35 \; , \; y = 84 \; , \; v = 300 \end{array}$$



$$\le =46$$
 ,  $h=11$  ,  $x=54$  ,  $y=0$  ,  $v=506$ 

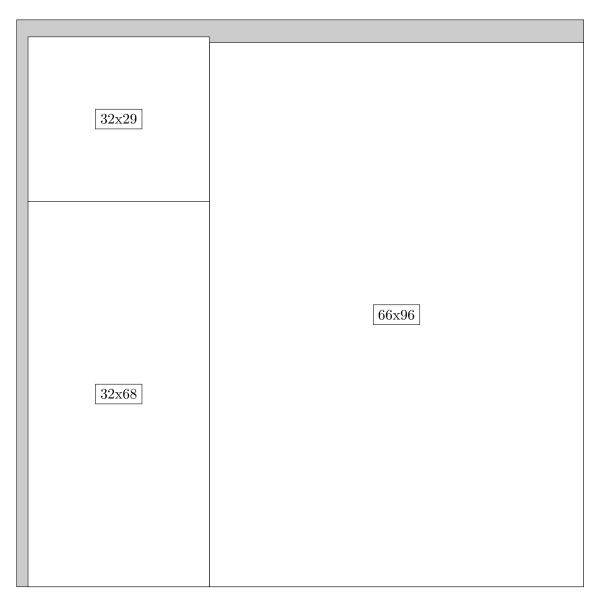
$$\mathbf{w}=\!\!44$$
 ,  $\mathbf{h}=\!\!11$  ,  $\mathbf{x}=\!\!10$  ,  $\mathbf{y}=\!\!0$  ,  $\mathbf{v}=\!\!484$ 

$$w$$
 =19 ,  $h$  =88 ,  $x$  =81 ,  $y$  =11 ,  $v$  =1672

$$w = 60$$
,  $h = 63$ ,  $x = 21$ ,  $y = 11$ ,  $v = 3780$ 

$$w = 18$$
,  $h = 49$ ,  $x = 3$ ,  $y = 11$ ,  $v = 882$ 

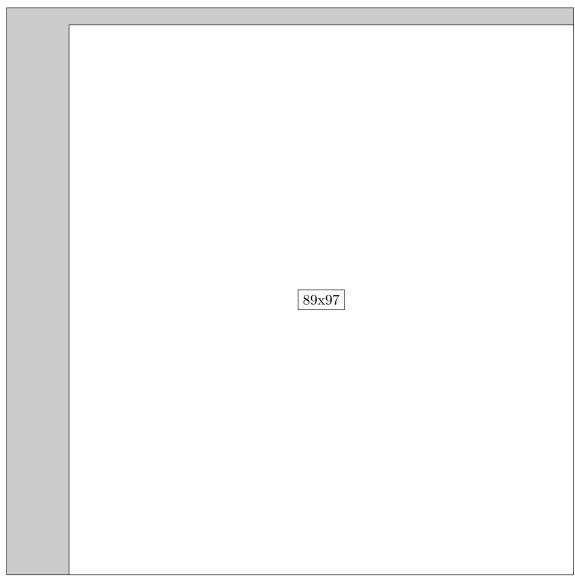
$$\begin{array}{l} w = \! 30 \ , \ h = \! 19 \ , \ x = \! 51 \ , \ y = \! 74 \ , \ v = \! 570 \\ w = \! 49 \ , \ h = \! 1 \ , \ x = \! 51 \ , \ y = \! 99 \ , \ v = \! 49 \end{array}$$



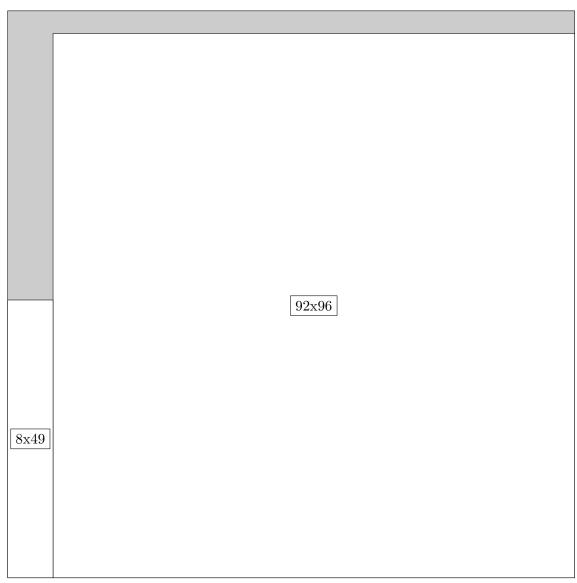
$$w = \! 66 \; , \; h = \! 96 \; , \; x = \! 34 \; , \; y = \! 0 \; , \; v = \! 6336$$

$$\le =32$$
 , h =68 , x =2 , y =0 , v =2176

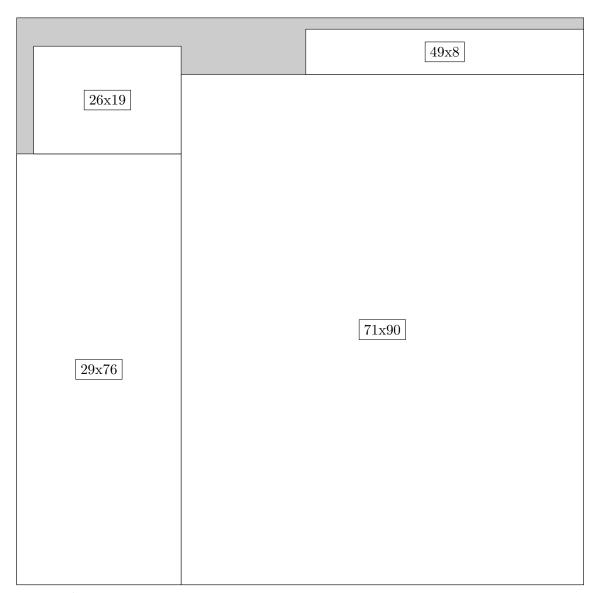
$$\le =32$$
 , h =29 , x =2 , y =68 , v =928



 $\le =89$  , h =97 , x =11 , y =0 , v =8633



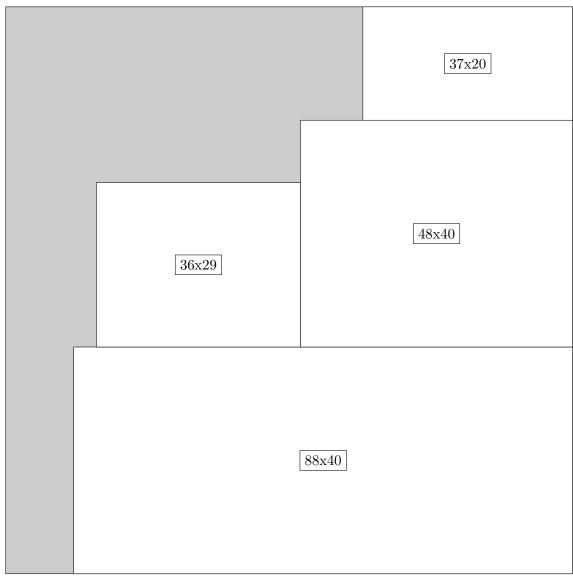
 $\begin{array}{l} w = \! 92 \ , \, h = \! 96 \ , \, x = \! 8 \ , \, y = \! 0 \ , \, v = \! 8832 \\ w = \! 8 \ , \, h = \! 49 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 392 \end{array}$ 



$$\begin{array}{l} w = \! 71 \ , \ h = \! 90 \ , \ x = \! 29 \ , \ y = \! 0 \ , \ v = \! 6390 \\ w = \! 49 \ , \ h = \! 8 \ , \ x = \! 51 \ , \ y = \! 90 \ , \ v = \! 392 \end{array}$$

$$\le =29$$
 , h =76 , x =0 , y =0 , v =2204

$$\le =26$$
 , h =19 , x =3 , y =76 , v =494

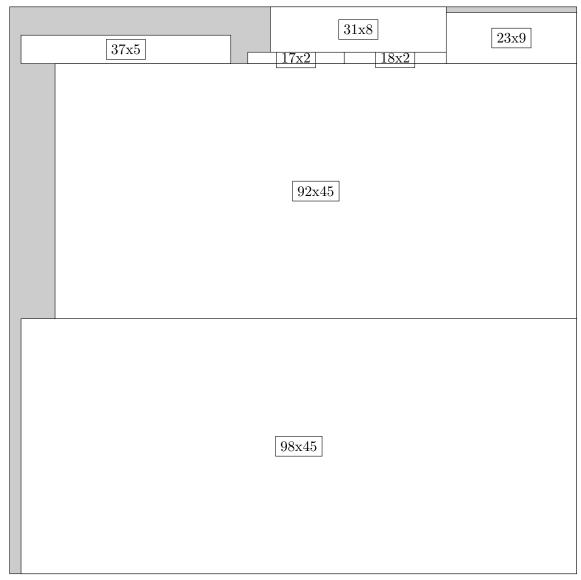


$$w = 88$$
,  $h = 40$ ,  $x = 12$ ,  $y = 0$ ,  $v = 3520$ 

$$\le =48$$
 ,  $h=\!40$  ,  $x=\!52$  ,  $y=\!40$  ,  $v=\!1920$ 

$$\le =37$$
 , h =20 , x =63 , y =80 , v =740

$$\le =36$$
 , h =29 , x =16 , y =40 , v =1044



$$w = 98$$
,  $h = 45$ ,  $x = 2$ ,  $y = 0$ ,  $v = 4410$ 

$$w = 92$$
,  $h = 45$ ,  $x = 8$ ,  $y = 45$ ,  $v = 4140$ 

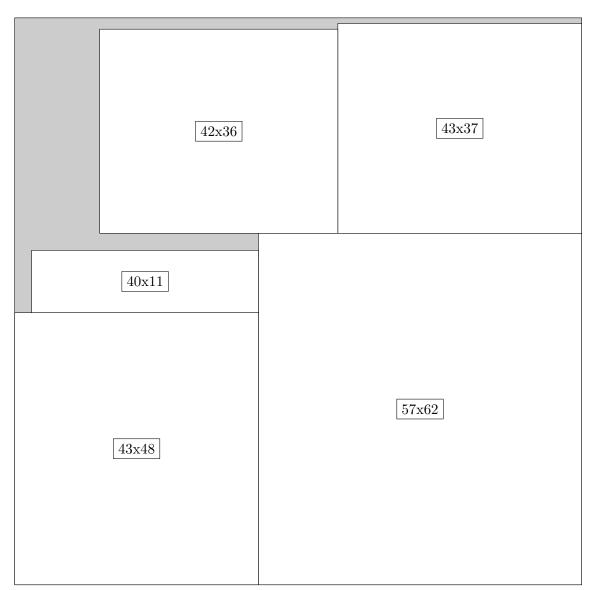
$$\le =23$$
 , h =9 , x =77 , y =90 , v =207

$$w = 18$$
,  $h = 2$ ,  $x = 59$ ,  $y = 90$ ,  $v = 36$ 

$$\le =17$$
 , h =2 , x =42 , y =90 , v =34

$$\le =31$$
 ,  $h=8$  ,  $x=46$  ,  $y=92$  ,  $v=248$ 

$$\le =37$$
 , h =5 , x =2 , y =90 , v =185



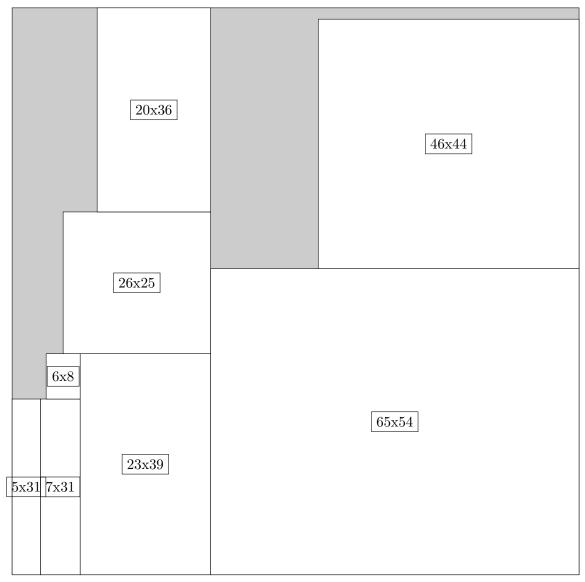
$$w = 57$$
,  $h = 62$ ,  $x = 43$ ,  $y = 0$ ,  $v = 3534$ 

$$\mathbf{w}=\!\!43$$
 ,  $\mathbf{h}=\!\!48$  ,  $\mathbf{x}=\!\!0$  ,  $\mathbf{y}=\!\!0$  ,  $\mathbf{v}=\!\!2064$ 

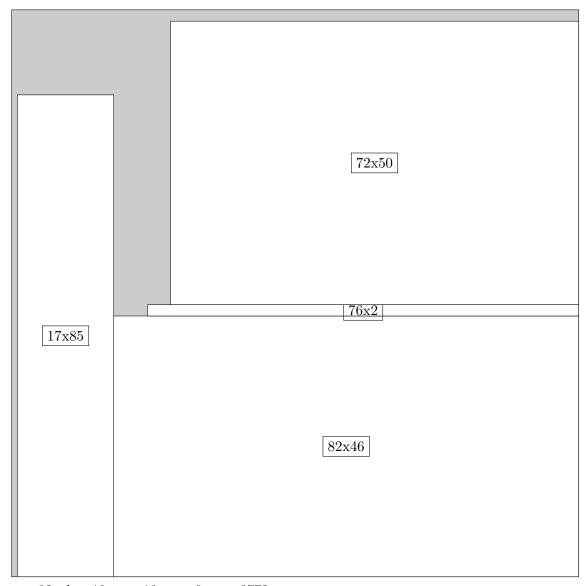
$$\le =40$$
 ,  $h=\!11$  ,  $x=\!3$  ,  $y=\!48$  ,  $v=\!440$ 

$$\le =43$$
 , h =37 , x =57 , y =62 , v =1591

$$\le =42$$
 , h =36 , x =15 , y =62 , v =1512



$$\begin{array}{l} w = \!65 \;,\; h = \!54 \;,\; x = \!35 \;,\; y = \!0 \;,\; v = \!3510 \\ w = \!46 \;,\; h = \!44 \;,\; x = \!54 \;,\; y = \!54 \;,\; v = \!2024 \\ w = \!23 \;,\; h = \!39 \;,\; x = \!12 \;,\; y = \!0 \;,\; v = \!897 \\ w = \!7 \;,\; h = \!31 \;,\; x = \!5 \;,\; y = \!0 \;,\; v = \!217 \\ w = \!6 \;,\; h = \!8 \;,\; x = \!6 \;,\; y = \!31 \;,\; v = \!48 \\ w = \!5 \;,\; h = \!31 \;,\; x = \!0 \;,\; y = \!0 \;,\; v = \!155 \\ w = \!26 \;,\; h = \!25 \;,\; x = \!9 \;,\; y = \!39 \;,\; v = \!650 \\ w = \!20 \;,\; h = \!36 \;,\; x = \!15 \;,\; y = \!64 \;,\; v = \!720 \\ \end{array}$$

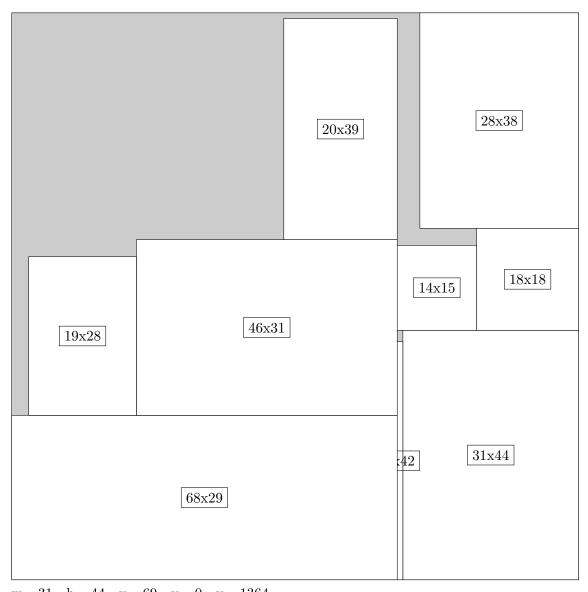


$$\le =82$$
 ,  $h=46$  ,  $x=18$  ,  $y=0$  ,  $v=3772$ 

$$\le -76$$
 , h =  
2 , x =  
24 , y =  
46 , v =  
152

$$\le =72$$
 , h =50 , x =28 , y =48 , v =3600

$$\le =17$$
 ,  $= =85$  ,  $= = 1$  ,  $y = = 0$  ,  $v = = 1445$ 



$$\begin{array}{l} w = 31 \; , \; h = 44 \; , \; x = 69 \; , \; y = 0 \; , \; v = 1364 \\ w = 1 \; , \; h = 42 \; , \; x = 68 \; , \; y = 0 \; , \; v = 42 \\ w = 18 \; , \; h = 18 \; , \; x = 82 \; , \; y = 44 \; , \; v = 324 \\ w = 14 \; , \; h = 15 \; , \; x = 68 \; , \; y = 44 \; , \; v = 210 \\ w = 28 \; , \; h = 38 \; , \; x = 72 \; , \; y = 62 \; , \; v = 1064 \\ w = 68 \; , \; h = 29 \; , \; x = 0 \; , \; y = 0 \; , \; v = 1972 \\ w = 46 \; , \; h = 31 \; , \; x = 22 \; , \; y = 29 \; , \; v = 1426 \\ w = 19 \; , \; h = 28 \; , \; x = 3 \; , \; y = 29 \; , \; v = 532 \\ w = 20 \; , \; h = 39 \; , \; x = 48 \; , \; y = 60 \; , \; v = 780 \\ \end{array}$$