$ClassName: \ Class_10.2bp\text{-}45$

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

TypeNum: <u>97</u> Num: <u>100</u> OutS: <u>130000</u> InS: <u>121589</u> Rate: <u>0.935</u> UB: <u>13</u> LB0: <u>13</u>

LBWithCut: $\underline{\bf 13}$ NodeCut: $\underline{\bf 0}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{13}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.330 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.079 \ s} \\ {\rm TotalTime:} \ \underline{0.455 \ s} \end{array}$

49x4		31x3	
	75x18		24x17
	92x78	3	

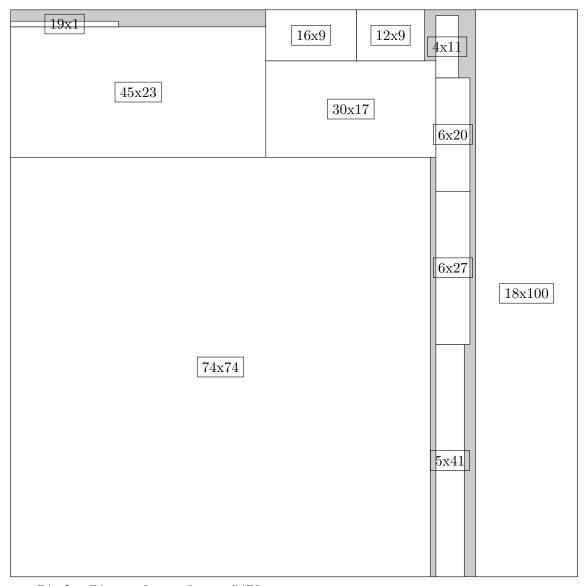
$$w = 92$$
, $h = 78$, $x = 0$, $y = 0$, $v = 7176$

$$\le -75$$
 , h =
18 , x =
0 , y =
78 , v =
1350

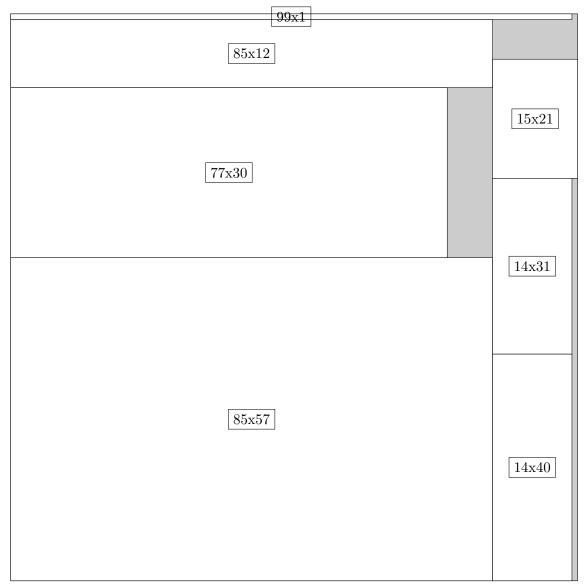
$$\le =24$$
 , h =17 , x =75 , y =78 , v =408

$$\le =49$$
 , h =4 , x =0 , y =96 , v =196

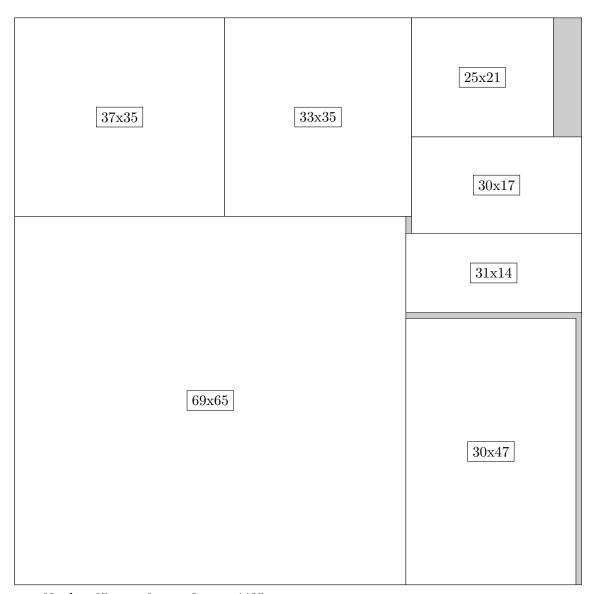
$$w=\!31$$
 , $h=\!3$, $x=\!49$, $y=\!96$, $v=\!93$



```
\begin{array}{l} w=74\;,\; h=74\;,\; x=0\;,\; y=0\;,\; v=5476\\ w=18\;,\; h=100\;,\; x=82\;,\; y=0\;,\; v=1800\\ w=45\;,\; h=23\;,\; x=0\;,\; y=74\;,\; v=1035\\ w=30\;,\; h=17\;,\; x=45\;,\; y=74\;,\; v=510\\ w=5\;,\; h=41\;,\; x=75\;,\; y=0\;,\; v=205\\ w=6\;,\; h=27\;,\; x=75\;,\; y=41\;,\; v=162\\ w=16\;,\; h=9\;,\; x=45\;,\; y=91\;,\; v=144\\ w=6\;,\; h=20\;,\; x=75\;,\; y=68\;,\; v=120\\ w=12\;,\; h=9\;,\; x=61\;,\; y=91\;,\; v=108\\ w=4\;,\; h=11\;,\; x=75\;,\; y=88\;,\; v=44\\ w=19\;,\; h=1\;,\; x=0\;,\; y=97\;,\; v=19\\ \end{array}
```



$$\begin{array}{l} w = \! 85 \ , \ h = \! 57 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4845 \\ w = \! 77 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 57 \ , \ v = \! 2310 \\ w = \! 85 \ , \ h = \! 12 \ , \ x = \! 0 \ , \ y = \! 87 \ , \ v = \! 1020 \\ w = \! 14 \ , \ h = \! 40 \ , \ x = \! 85 \ , \ y = \! 0 \ , \ v = \! 560 \\ w = \! 14 \ , \ h = \! 31 \ , \ x = \! 85 \ , \ y = \! 40 \ , \ v = \! 434 \\ w = \! 15 \ , \ h = \! 21 \ , \ x = \! 85 \ , \ y = \! 71 \ , \ v = \! 315 \\ w = \! 99 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 99 \ , \ v = \! 99 \end{array}$$



$$\mathbf{w}$$
 =69 , h =65 , x =0 , y =0 , v =4485

$$\le =30$$
 , h =47 , x =69 , y =0 , v =1410

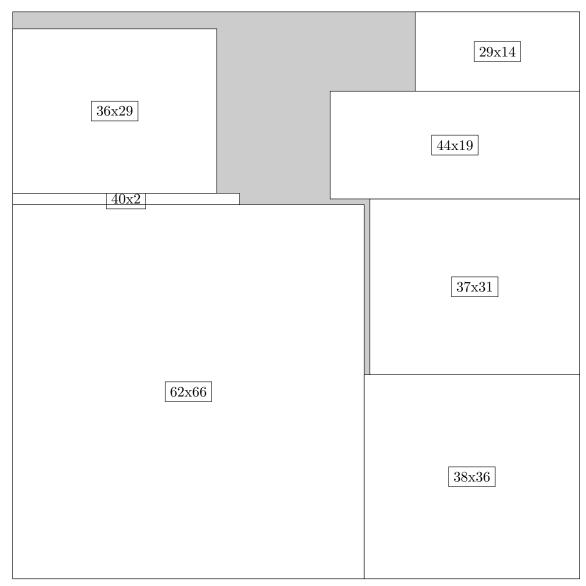
$$\le =37$$
 , h =35 , x =0 , y =65 , v =1295

$$\le =33$$
 , h =35 , x =37 , y =65 , v =1155

$$w$$
 =25 , h =21 , x =70 , y =79 , v =525

$$w=\!30$$
 , $h=\!17$, $x=\!70$, $y=\!62$, $v=\!510$

$$w=\!31$$
 , $h=\!14$, $x=\!69$, $y=\!48$, $v=\!434$



$$w = 62$$
, $h = 66$, $x = 0$, $y = 0$, $v = 4092$

$$\mathbf{w}=\!\!40$$
 , $\mathbf{h}=\!\!2$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!66$, $\mathbf{v}=\!\!80$

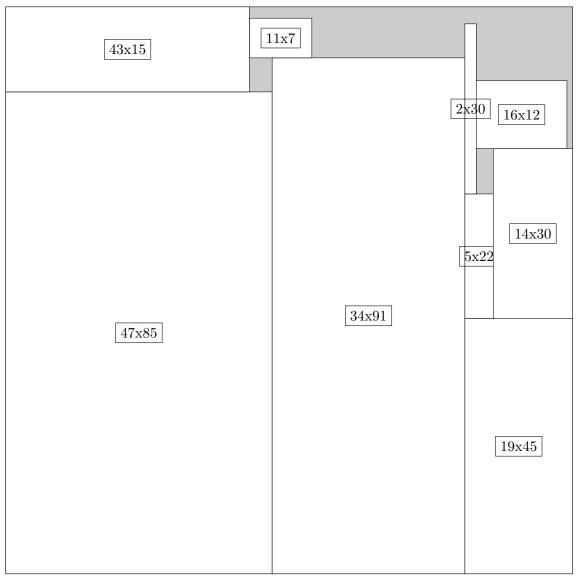
$$\le 38$$
 , h =36 , x =62 , y =0 , v =1368

$$\le =37$$
 , h =31 , x =63 , y =36 , v =1147

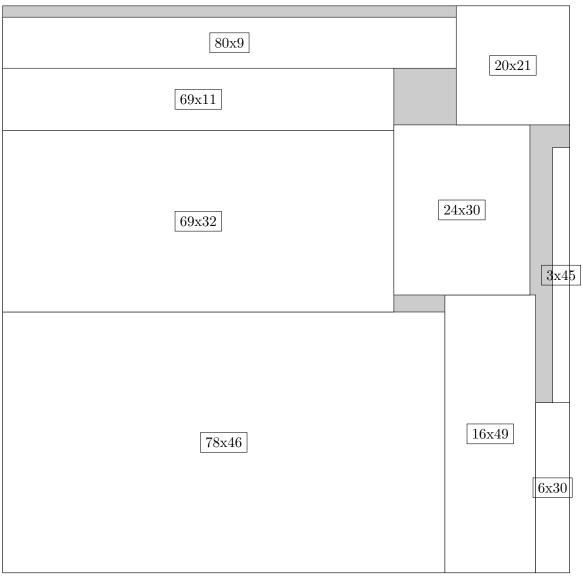
$$\le =36$$
 , $h=29$, $x=0$, $y=68$, $v=1044$

$$w=\!44$$
 , $h=\!19$, $x=\!56$, $y=\!67$, $v=\!836$

$$w=\!29$$
 , $h=\!14$, $x=\!71$, $y=\!86$, $v=\!406$



$$\begin{array}{l} w = \!\!47 \;,\; h = \!\!85 \;,\; x = \!\!0 \;,\; y = \!\!0 \;,\; v = \!\!3995 \\ w = \!\!34 \;,\; h = \!\!91 \;,\; x = \!\!47 \;,\; y = \!\!0 \;,\; v = \!\!3094 \\ w = \!\!5 \;,\; h = \!\!22 \;,\; x = \!\!81 \;,\; y = \!\!45 \;,\; v = \!\!110 \\ w = \!\!19 \;,\; h = \!\!45 \;,\; x = \!\!81 \;,\; y = \!\!0 \;,\; v = \!\!855 \\ w = \!\!43 \;,\; h = \!\!15 \;,\; x = \!\!0 \;,\; y = \!\!85 \;,\; v = \!\!645 \\ w = \!\!14 \;,\; h = \!\!30 \;,\; x = \!\!86 \;,\; y = \!\!45 \;,\; v = \!\!420 \\ w = \!\!16 \;,\; h = \!\!12 \;,\; x = \!\!83 \;,\; y = \!\!75 \;,\; v = \!\!192 \\ w = \!\!11 \;,\; h = \!\!7 \;,\; x = \!\!43 \;,\; y = \!\!91 \;,\; v = \!\!77 \\ w = \!\!2 \;,\; h = \!\!30 \;,\; x = \!\!81 \;,\; y = \!\!67 \;,\; v = \!\!60 \\ \end{array}$$



$$\le -78$$
 , h =46 , x =0 , y =0 , v =3588

$$w = 69$$
, $h = 32$, $x = 0$, $y = 46$, $v = 2208$

$$\mathbf{w}$$
 =69 , h =11 , x =0 , y =78 , v =759

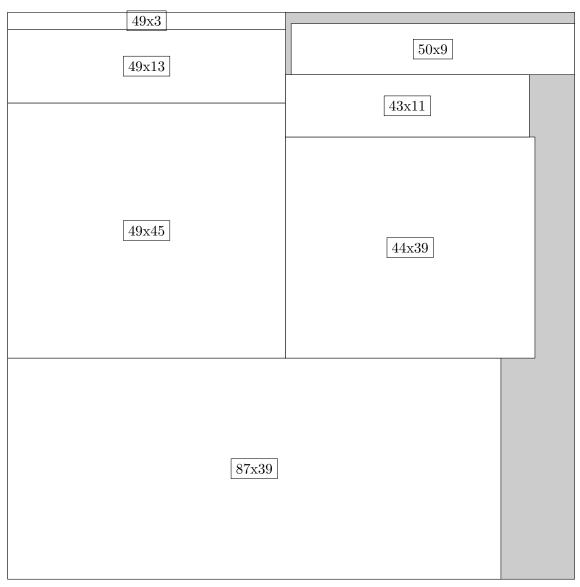
$$w = 80$$
, $h = 9$, $x = 0$, $y = 89$, $v = 720$

$$w = 24$$
, $h = 30$, $x = 69$, $y = 49$, $v = 720$

$$w = 20$$
, $h = 21$, $x = 80$, $y = 79$, $v = 420$

$$w = 6$$
, $h = 30$, $x = 94$, $y = 0$, $v = 180$

$$\le =3$$
 , $h=45$, $x=97$, $y=30$, $v=135$



$$\le =87$$
 , h =39 , x =0 , y =0 , v =3393

$$\le =49$$
 , h =45 , x =0 , y =39 , v =2205

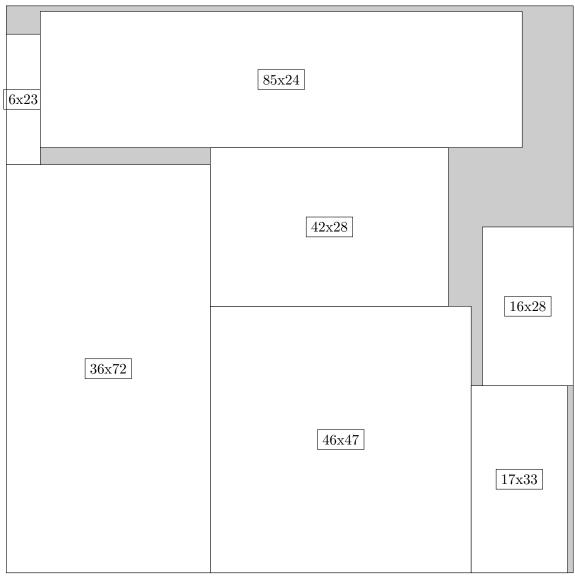
$$w=\!44$$
 , $h=\!39$, $x=\!49$, $y=\!39$, $v=\!1716$

$$w = 49$$
, $h = 13$, $x = 0$, $y = 84$, $v = 637$

$$\le =43$$
 , h =11 , x =49 , y =78 , v =473

$$w$$
 =50 , h =9 , x =50 , y =89 , v =450

$$\le =49$$
 , h =3 , x =0 , y =97 , v =147



$$w = 36$$
, $h = 72$, $x = 0$, $y = 0$, $v = 2592$

$$\mathbf{w}=\!\!46$$
 , $\mathbf{h}=\!\!47$, $\mathbf{x}=\!\!36$, $\mathbf{y}=\!\!0$, $\mathbf{v}=\!\!2162$

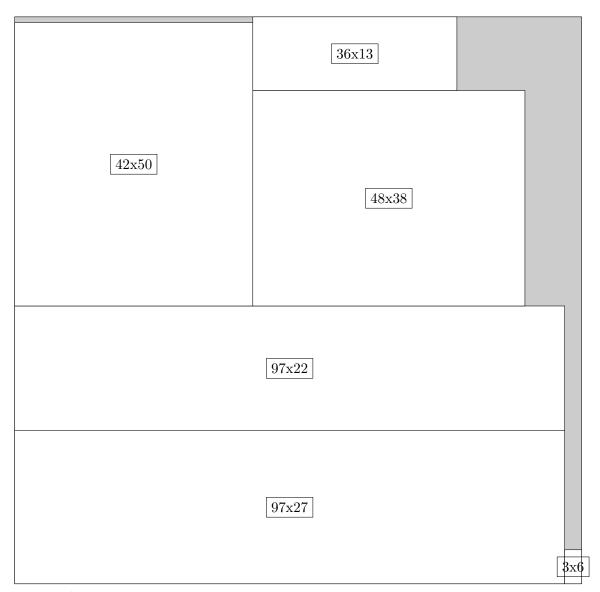
$$\le =42$$
 , h =28 , x =36 , y =47 , v =1176

$$\le =17$$
 , h =33 , x =82 , y =0 , v =561

$$w=\!16$$
 , $h=\!28$, $x=\!84$, $y=\!33$, $v=\!448$

$$\mathbf{w}$$
 =6 , h =23 , x =0 , y =72 , v =138

$$\le =85$$
 , $h=24$, $x=6$, $y=75$, $v=2040$



$$\le =97$$
 , h =27 , x =0 , y =0 , v =2619

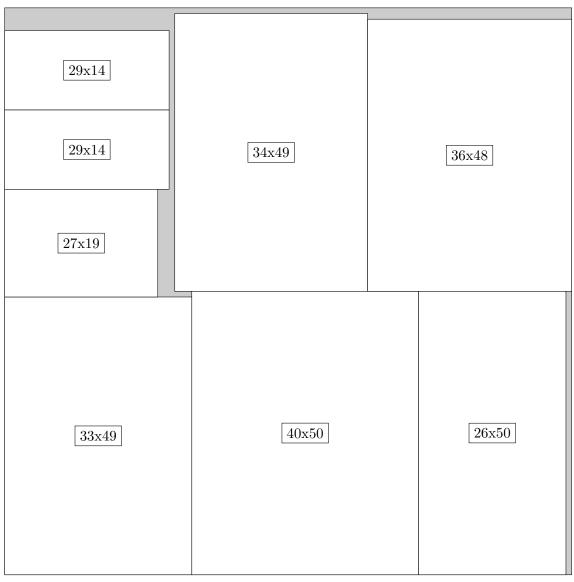
$$\le =97$$
 , h =22 , x =0 , y =27 , v =2134

$$\le =42$$
 , $h=\!50$, $x=\!0$, $y=\!49$, $v=\!2100$

$$\le =48$$
 , h =38 , x =42 , y =49 , v =1824

$$\le =36$$
 , h =13 , x =42 , y =87 , v =468

$$\mathbf{w}$$
 =3 , h =6 , x =97 , y =0 , v =18



$$w = 34$$
, $h = 49$, $x = 30$, $y = 50$, $v = 1666$

$$w=\!36$$
 , $h=\!48$, $x=\!64$, $y=\!50$, $v=\!1728$

$$w = 33$$
, $h = 49$, $x = 0$, $y = 0$, $v = 1617$

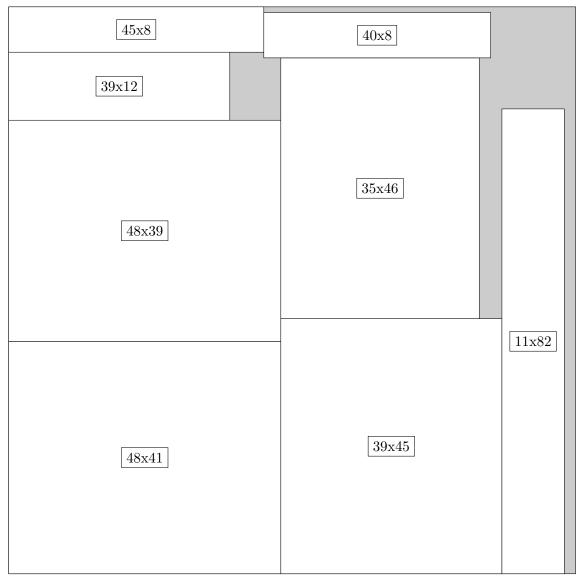
$$\le =26$$
 , h =50 , x =73 , y =0 , v =1300

$$\le =27$$
 , $h=19$, $x=0$, $y=49$, $v=513$

$$\le =29$$
 , $h=14$, $x=0$, $y=68$, $v=406$

$$\le =29$$
 , $h=14$, $x=0$, $y=82$, $v=406$

 $[\]mathbf{w}$ =40 , h =50 , x =33 , y =0 , v =2000



$$\mathbf{w}$$
 =48 , h =41 , x =0 , y =0 , v =1968

$$w = 48$$
, $h = 39$, $x = 0$, $y = 41$, $v = 1872$

$$\le =39$$
 , $h=45$, $x=48$, $y=0$, $v=1755$

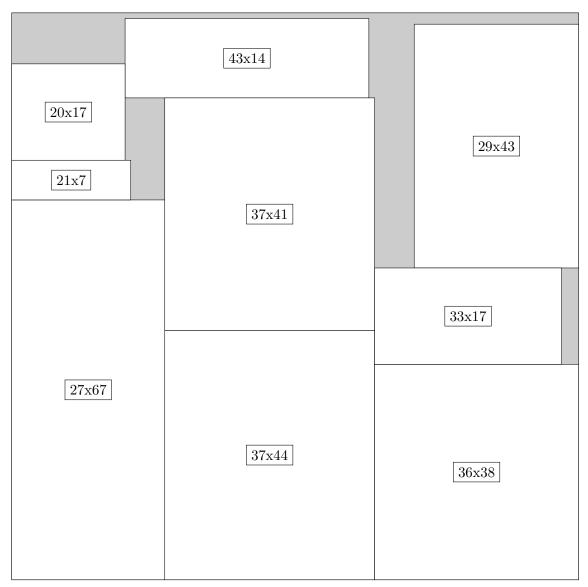
$$w = 35$$
, $h = 46$, $x = 48$, $y = 45$, $v = 1610$

$$\le =11$$
 , h =82 , x =87 , y =0 , v =902

$$\le =39$$
 , h =12 , x =0 , y =80 , v =468

$$\le =45$$
 , $h=8$, $x=0$, $y=92$, $v=360$

$$\le =40$$
 , h =8 , x =45 , y =91 , v =320



$$\le =27$$
 , $h=\!67$, $x=\!0$, $y=\!0$, $v=\!1809$

$$\le =37$$
 , h =44 , x =27 , y =0 , v =1628

$$w = 36$$
, $h = 38$, $x = 64$, $y = 0$, $v = 1368$

$$w = 29$$
, $h = 43$, $x = 71$, $y = 55$, $v = 1247$

$$\le =33$$
 , $h=17$, $x=64$, $y=38$, $v=561$

$$w = 20$$
, $h = 17$, $x = 0$, $y = 74$, $v = 340$

$$w = 21$$
, $h = 7$, $x = 0$, $y = 67$, $v = 147$

$$w = 37$$
, $h = 41$, $x = 27$, $y = 44$, $v = 1517$