${\bf ClassName:}~{\bf Class_10.2bp\text{-}32}$

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

TypeNum: <u>80</u>
Num: <u>80</u>
OutS: <u>110000</u>
InS: <u>101043</u>
Rate: <u>0.919</u>
UB: <u>11</u>
LBO: 11

LB0: <u>11</u> LB: <u>11</u>

LBWithCut: $\underline{\mathbf{11}}$ NodeCut: $\underline{\mathbf{0}}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{11}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.360 s



$$w = 39 \ , \, h = 100 \ , \, x = 61 \ , \, y = 0 \ , \, v = 3900$$

$$\le =46$$
 , $h=\!67$, $x=\!15$, $y=\!0$, $v=\!3082$

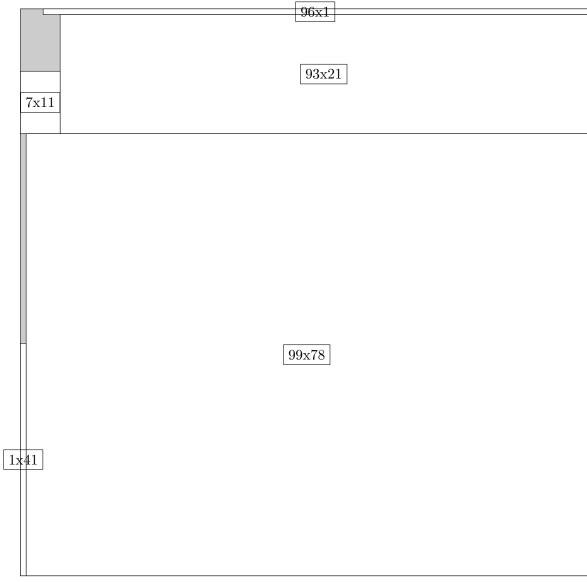
$$\le =15$$
 , h =49 , x =0 , y =0 , v =735

$$\le =30$$
 , h =30 , x =31 , y =67 , v =900

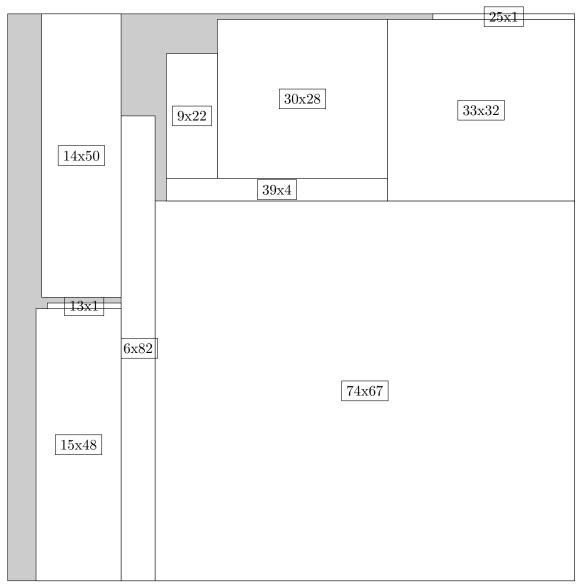
$$\le =18$$
 , $h=27$, $x=13$, $y=67$, $v=486$

$$\le =12$$
 , $h=24$, $x=1$, $y=67$, $v=288$

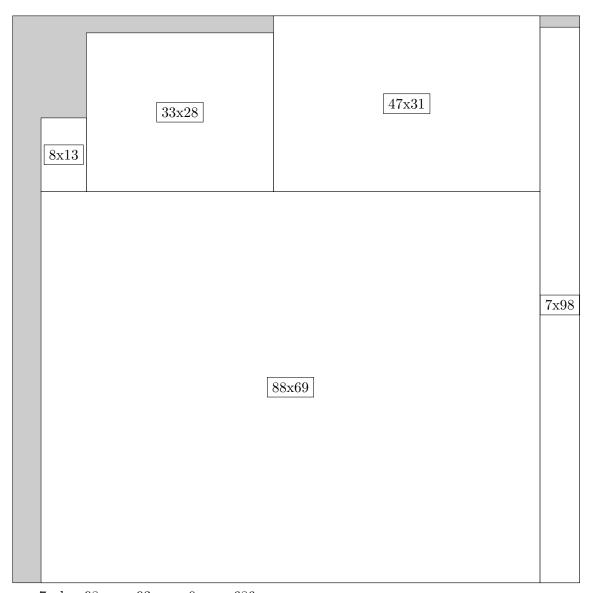
$$\mathbf{w}$$
 =1 , h =21 , x =0 , y =67 , v =21



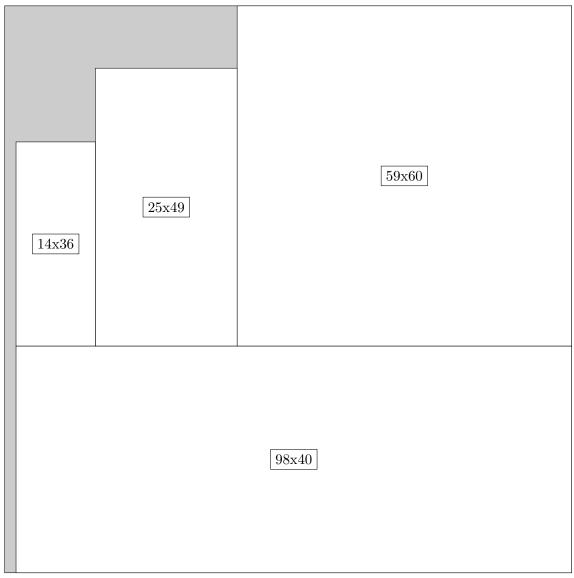
 $\begin{array}{l} w = 99 \; , \; h = 78 \; , \; x = 1 \; , \; y = 0 \; , \; v = 7722 \\ w = 1 \; , \; h = 41 \; , \; x = 0 \; , \; y = 0 \; , \; v = 41 \\ w = 93 \; , \; h = 21 \; , \; x = 7 \; , \; y = 78 \; , \; v = 1953 \\ w = 7 \; , \; h = 11 \; , \; x = 0 \; , \; y = 78 \; , \; v = 77 \\ w = 96 \; , \; h = 1 \; , \; x = 4 \; , \; y = 99 \; , \; v = 96 \end{array}$



$$\begin{array}{l} w=74 \ , \ h=67 \ , \ x=26 \ , \ y=0 \ , \ v=4958 \\ w=33 \ , \ h=32 \ , \ x=67 \ , \ y=67 \ , \ v=1056 \\ w=25 \ , \ h=1 \ , \ x=75 \ , \ y=99 \ , \ v=25 \\ w=39 \ , \ h=4 \ , \ x=28 \ , \ y=67 \ , \ v=156 \\ w=30 \ , \ h=28 \ , \ x=37 \ , \ y=71 \ , \ v=840 \\ w=9 \ , \ h=22 \ , \ x=28 \ , \ y=71 \ , \ v=198 \\ w=6 \ , \ h=82 \ , \ x=20 \ , \ y=0 \ , \ v=492 \\ w=15 \ , \ h=48 \ , \ x=5 \ , \ y=0 \ , \ v=720 \\ w=13 \ , \ h=1 \ , \ x=7 \ , \ y=48 \ , \ v=13 \\ w=14 \ , \ h=50 \ , \ x=6 \ , \ y=50 \ , \ v=700 \\ \end{array}$$



$$\begin{array}{l} w=7\ ,\ h=98\ ,\ x=93\ ,\ y=0\ ,\ v=686\\ w=88\ ,\ h=69\ ,\ x=5\ ,\ y=0\ ,\ v=6072\\ w=47\ ,\ h=31\ ,\ x=46\ ,\ y=69\ ,\ v=1457\\ w=33\ ,\ h=28\ ,\ x=13\ ,\ y=69\ ,\ v=924\\ w=8\ ,\ h=13\ ,\ x=5\ ,\ y=69\ ,\ v=104 \end{array}$$

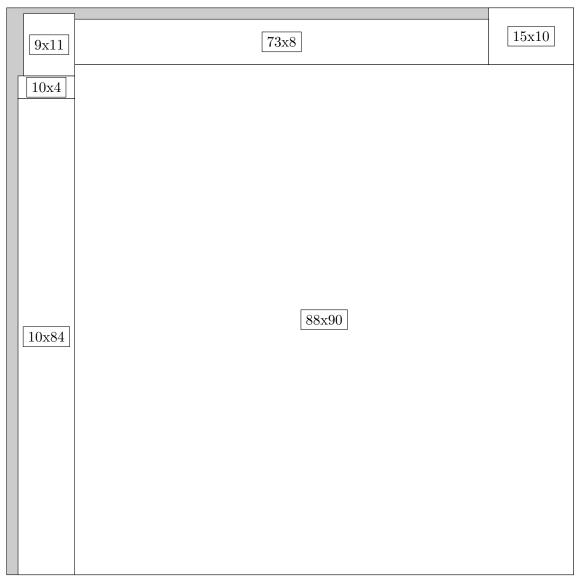


$$\le =98$$
 , h =40 , x =2 , y =0 , v =3920

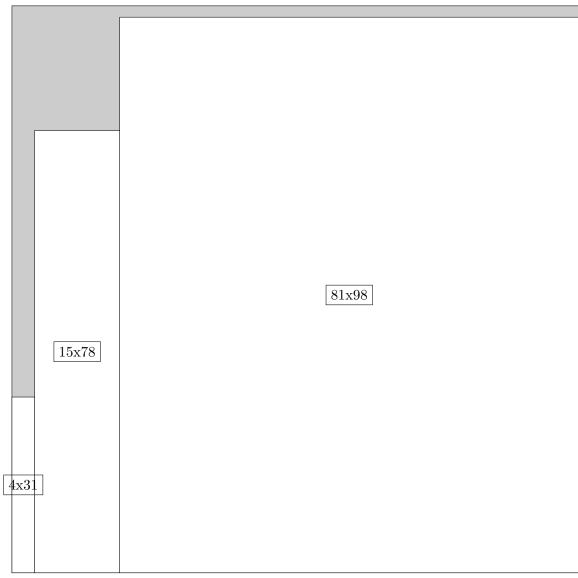
$$\le =59$$
 , h =60 , x =41 , y =40 , v =3540

$$\le =25$$
 , h =49 , x =16 , y =40 , v =1225

$$\mathbf{w}$$
 =14 , h =36 , x =2 , y =40 , v =504



$$\begin{array}{l} w = \! 88 \; , \; h = \! 90 \; , \; x = \! 12 \; , \; y = \! 0 \; , \; v = \! 7920 \\ w = \! 15 \; , \; h = \! 10 \; , \; x = \! 85 \; , \; y = \! 90 \; , \; v = \! 150 \\ w = \! 73 \; , \; h = \! 8 \; , \; x = \! 12 \; , \; y = \! 90 \; , \; v = \! 584 \\ w = \! 10 \; , \; h = \! 84 \; , \; x = \! 2 \; , \; y = \! 90 \; , \; v = \! 840 \\ w = \! 10 \; , \; h = \! 4 \; , \; x = \! 2 \; , \; y = \! 84 \; , \; v = \! 40 \\ w = \! 9 \; , \; h = \! 11 \; , \; x = \! 3 \; , \; y = \! 88 \; , \; v = \! 99 \end{array}$$



 $\begin{array}{l} w = \! 81 \; , \; h = \! 98 \; , \; x = \! 19 \; , \; y = \! 0 \; , \; v = \! 7938 \\ w = \! 15 \; , \; h = \! 78 \; , \; x = \! 4 \; , \; y = \! 0 \; , \; v = \! 1170 \\ w = \! 4 \; , \; h = \! 31 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 124 \end{array}$

			29x9
16x16	32x16		48x17
11x68		87x74	

$$\le =87$$
 , $h=74$, $x=13$, $y=0$, $v=6438$

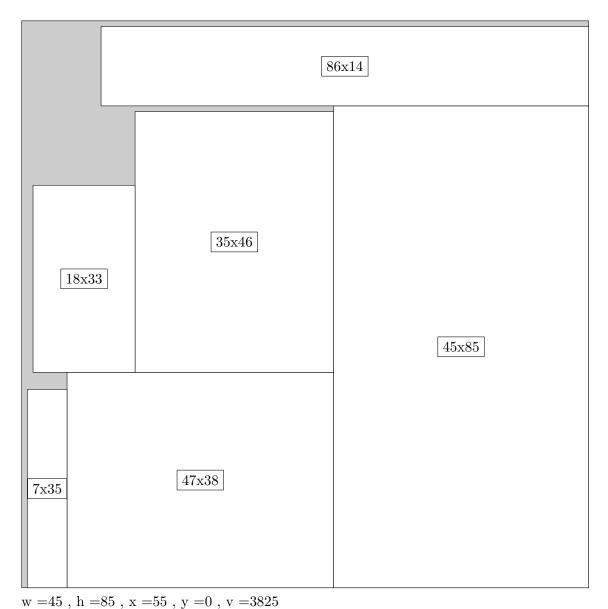
$$\le =11$$
 , $h=68$, $x=2$, $y=0$, $v=748$

$$\le =48$$
 , h =17 , x =52 , y =74 , v =816

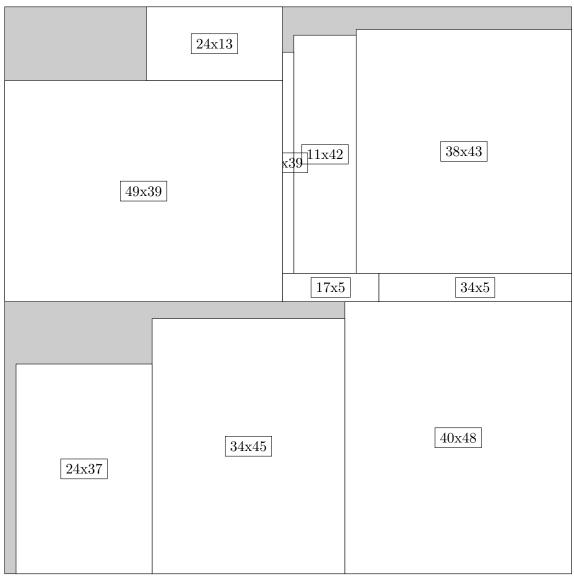
$$\le =29$$
 , h =9 , x =71 , y =91 , v =261

$$w = 32$$
, $h = 16$, $x = 20$, $y = 74$, $v = 512$

$$\le =16$$
 , $h=16$, $x=4$, $y=74$, $v=256$



w =86 , h =14 , x =14 , y =85 , v =1204



$$\le =40$$
 , $h=48$, $x=60$, $y=0$, $v=1920$

$$w = 34$$
, $h = 45$, $x = 26$, $y = 0$, $v = 1530$

$$\le =24$$
 , $h=37$, $x=2$, $y=0$, $v=\!888$

$$w = 34$$
, $h = 5$, $x = 66$, $y = 48$, $v = 170$

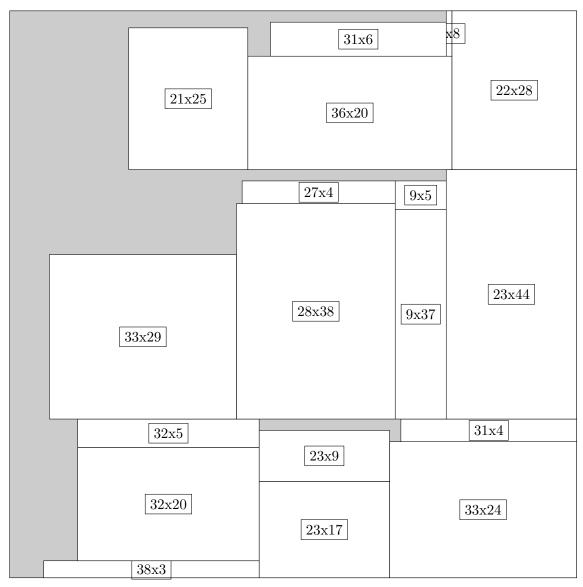
$$\le =17$$
 , $h=5$, $x=\!\!49$, $y=\!\!48$, $v=\!\!85$

$$w=\!38$$
 , $h=\!43$, $x=\!62$, $y=\!53$, $v=\!1634$

$$w = 2$$
, $h = 39$, $x = 49$, $y = 53$, $v = 78$

$$w = 49$$
, $h = 39$, $x = 0$, $y = 48$, $v = 1911$

$$w=\!24$$
 , $h=\!13$, $x=\!25$, $y=\!87$, $v=\!312$



$$w = \! 33 \ , \ h = \! 24 \ , \ x = \! 67 \ , \ y = \! 0 \ , \ v = \! 792$$

$$w = 31$$
, $h = 4$, $x = 69$, $y = 24$, $v = 124$

$$w = 23$$
, $h = 17$, $x = 44$, $y = 0$, $v = 391$

$$w = 23$$
, $h = 9$, $x = 44$, $y = 17$, $v = 207$

$$w = 38$$
, $h = 3$, $x = 6$, $y = 0$, $v = 114$

$$w = 32$$
, $h = 20$, $x = 12$, $y = 3$, $v = 640$

$$w = 32$$
, $h = 5$, $x = 12$, $y = 23$, $v = 160$

$$w = 23$$
, $h = 44$, $x = 77$, $y = 28$, $v = 1012$

$$w = 9$$
, $h = 37$, $x = 68$, $y = 28$, $v = 333$

$$w = 9$$
, $h = 5$, $x = 68$, $y = 65$, $v = 45$

$$w = 28$$
, $h = 38$, $x = 40$, $y = 28$, $v = 1064$

$$w$$
 =27 , h =4 , x =41 , y =66 , v =108

$$w = 33$$
, $h = 29$, $x = 7$, $y = 28$, $v = 957$

$$w = 22$$
, $h = 28$, $x = 78$, $y = 72$, $v = 616$

$$w = 36$$
, $h = 20$, $x = 42$, $y = 72$, $v = 720$

$$w$$
 =1 , h =8 , x =77 , y =92 , v =8

 $\begin{array}{l} w = \! 31 \ , \ h = \! 6 \ , \ x = \! 46 \ , \ y = \! 92 \ , \ v = \! 186 \\ w = \! 21 \ , \ h = \! 25 \ , \ x = \! 21 \ , \ y = \! 72 \ , \ v = \! 525 \end{array}$