$ClassName: \ Class_07.2bp-20$

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

TypeNum: <u>59</u> Num: <u>60</u> OutS: <u>170000</u> InS: <u>146727</u> Rate: <u>0.863</u> UB: <u>17</u> LB0: <u>17</u>

LB: $\underline{17}$ LBWithCut: $\underline{17}$ NodeCut: $\underline{0}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{17}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

TimeOnInitSolution: $\underline{68.780 \text{ s}}$

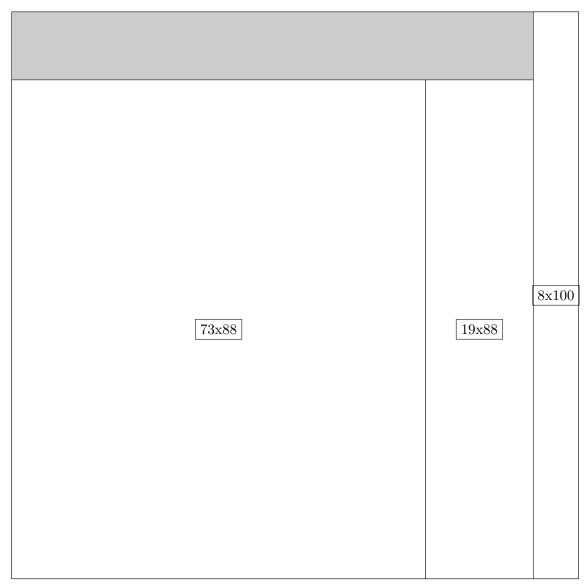
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 68.920 s

$56\mathrm{x}80$	44x73

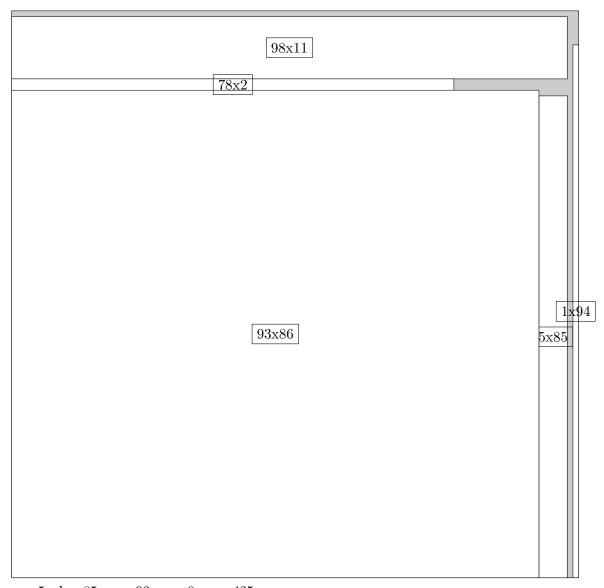
$$\mathbf{w}$$
 =56 , h =80 , x =0 , y =0 , v =4480

$$\le =44$$
 , h =73 , x =
56 , y =0 , v =
3212

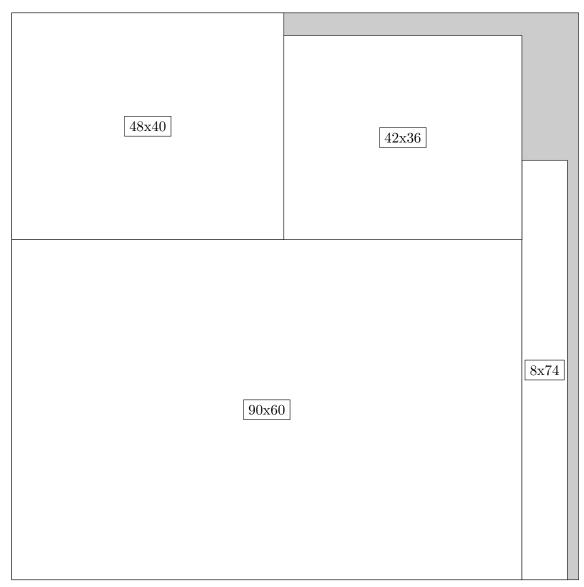
$$\le =26$$
 , h =25 , x =
56 , y =73 , v =650



 $\begin{array}{l} w = 19 \ , \ h = 88 \ , \ x = 73 \ , \ y = 0 \ , \ v = 1672 \\ w = 73 \ , \ h = 88 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6424 \\ w = 8 \ , \ h = 100 \ , \ x = 92 \ , \ y = 0 \ , \ v = 800 \end{array}$



$$\begin{array}{l} w=5 \ , \ h=85 \ , \ x=93 \ , \ y=0 \ , \ v=425 \\ w=93 \ , \ h=86 \ , \ x=0 \ , \ y=0 \ , \ v=7998 \\ w=98 \ , \ h=11 \ , \ x=0 \ , \ y=88 \ , \ v=1078 \\ w=78 \ , \ h=2 \ , \ x=0 \ , \ y=86 \ , \ v=156 \\ w=1 \ , \ h=94 \ , \ x=99 \ , \ y=0 \ , \ v=94 \end{array}$$

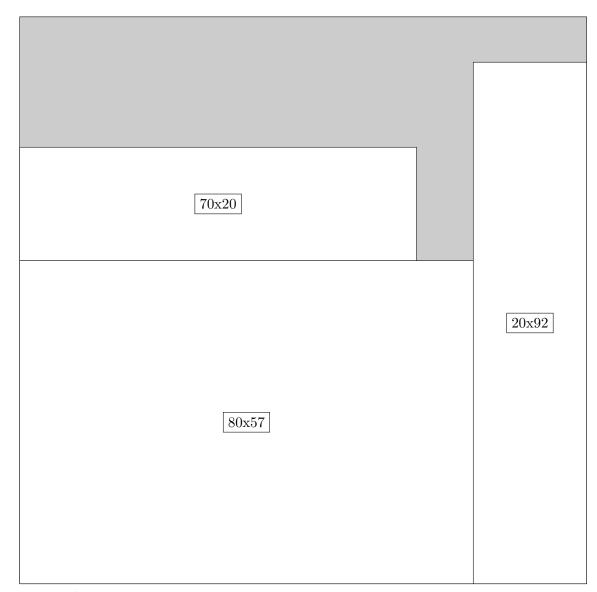


$$w = 48$$
, $h = 40$, $x = 0$, $y = 60$, $v = 1920$

$$\le =90$$
 , $h=60$, $x=0$, $y=0$, $v=5400$

$$\le =8$$
 , h =74 , x =90 , y =0 , v =592

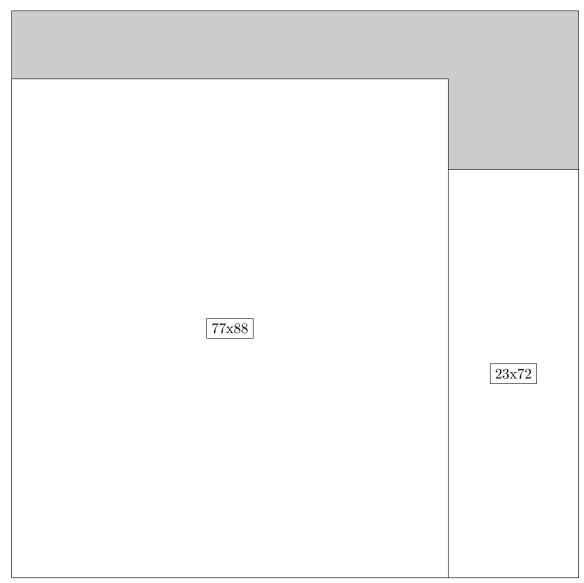
$$\mathbf{w}$$
 =42 , h =36 , x =48 , y =60 , v =1512



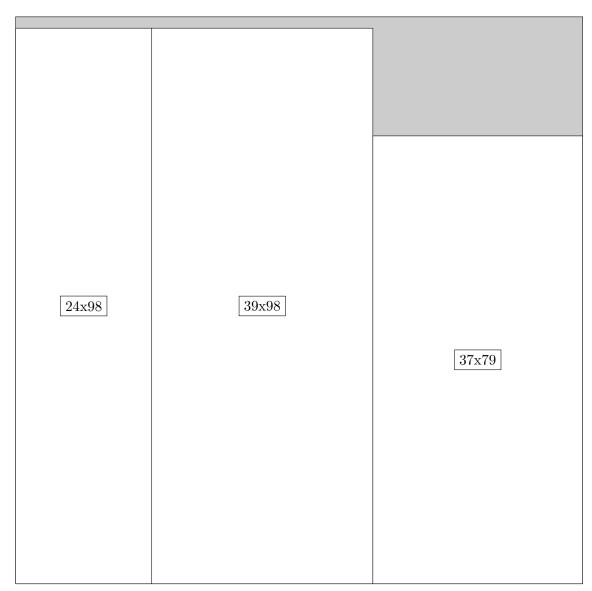
$$\le =20$$
 , h =92 , x =80 , y =0 , v =1840

$$\le =80$$
 , h =57 , x =0 , y =0 , v =4560

$$\le =70$$
 , h =20 , x =0 , y =57 , v =1400



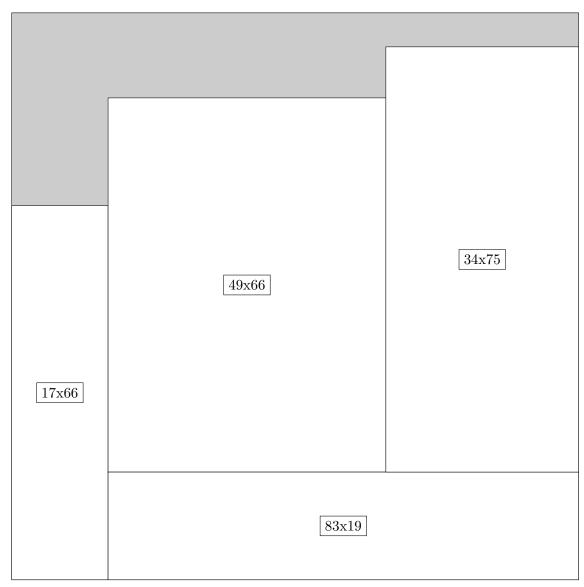
$$\begin{array}{l} w = \! 23 \ , \ h = \! 72 \ , \ x = \! 77 \ , \ y = \! 0 \ , \ v = \! 1656 \\ w = \! 77 \ , \ h = \! 88 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6776 \end{array}$$



 ≤ 24 , h =98 , x =0 , y =0 , v =2352

 \mathbf{w} =39 , h =98 , x =24 , y =0 , v =3822

 $\le =37$, = 79 , = 63 , y = 0 , v = 2923

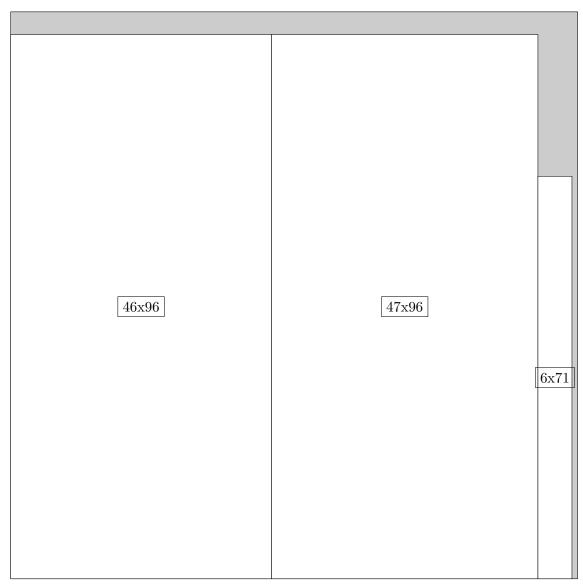


$$\mathbf{w}$$
 =17 , \mathbf{h} =66 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =1122

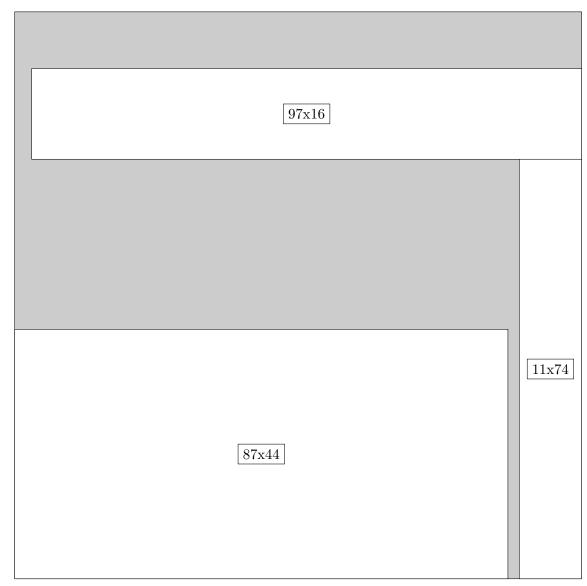
$$w = 49$$
, $h = 66$, $x = 17$, $y = 19$, $v = 3234$

$$\le =83$$
 , h =19 , x =17 , y =0 , v =1577

$$\le =34$$
 , h =75 , x =66 , y =19 , v =2550



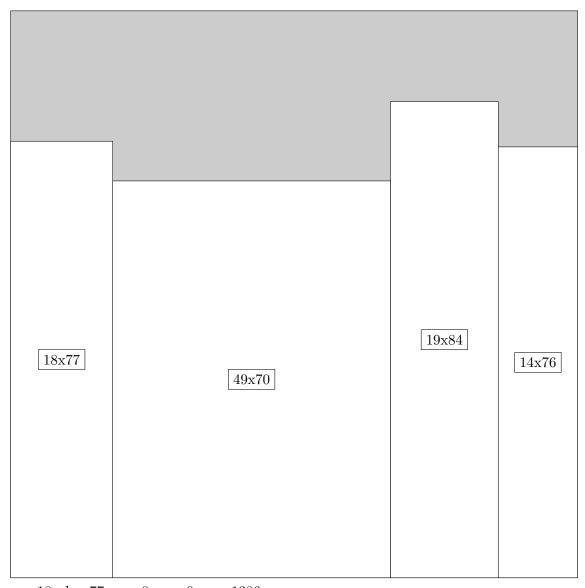
 $\begin{array}{l} w = \!\! 46 \ , \ h = \!\! 96 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4416 \\ w = \!\! 47 \ , \ h = \!\! 96 \ , \ x = \!\! 46 \ , \ y = \!\! 0 \ , \ v = \!\! 4512 \\ w = \!\! 6 \ , \ h = \!\! 71 \ , \ x = \!\! 93 \ , \ y = \!\! 0 \ , \ v = \!\! 426 \end{array}$



$$w = 87$$
, $h = 44$, $x = 0$, $y = 0$, $v = 3828$

$$\le =97$$
 , h =16 , x =3 , y =74 , v =1552

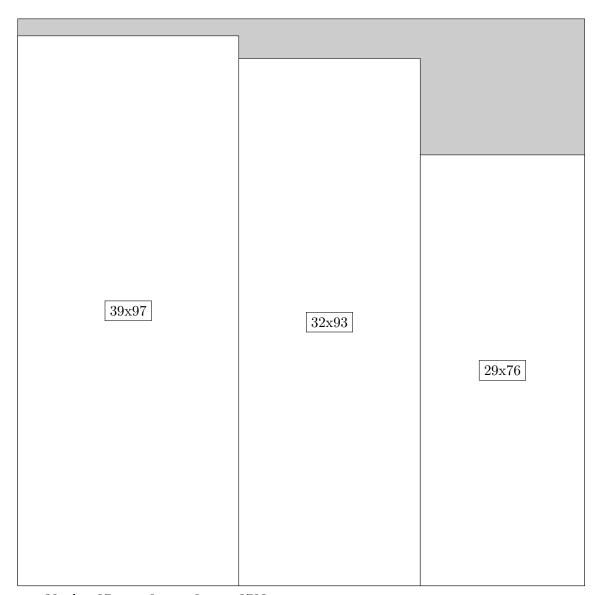
$$\le =11$$
 , h =74 , x =89 , y =0 , v =814



 $\begin{array}{l} w = \! 18 \; , \; h = \! 77 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 1386 \\ w = \! 49 \; , \; h = \! 70 \; , \; x = \! 18 \; , \; y = \! 0 \; , \; v = \! 3430 \end{array}$

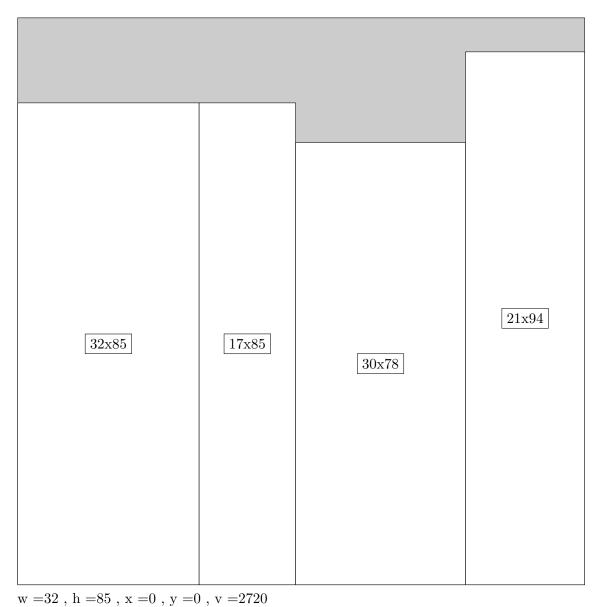
w = 19 , h = 84 , x = 67 , y = 0 , v = 1596

w = 14, h = 76, x = 86, y = 0, v = 1064



 $\begin{array}{l} w = \! 39 \ , \ h = \! 97 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3783 \\ w = \! 32 \ , \ h = \! 93 \ , \ x = \! 39 \ , \ y = \! 0 \ , \ v = \! 2976 \end{array}$

 \mathbf{w} =29 , h =76 , x =71 , y =0 , v =2204



w = 32, h = 85, x = 0, y = 0, v = 2720 w = 30, h = 78, x = 49, y = 0, v = 2340

 $\le =21$, h =94 , x =79 , y =0 , v =1974

 $\le =17$, h = 85 , x = 32 , y = 0 , v = 1445

97x31			
37x69	32x68	16x68	15x67

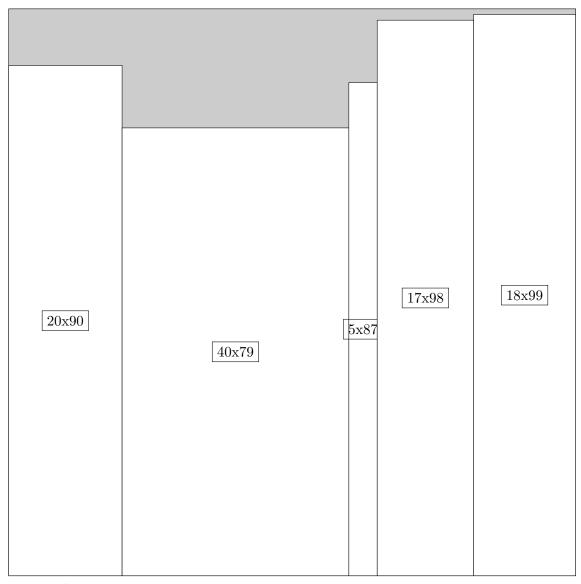
$$w = 37$$
, $h = 69$, $x = 0$, $y = 0$, $v = 2553$

$$\le =97$$
 , h =31 , x =0 , y =69 , v =3007

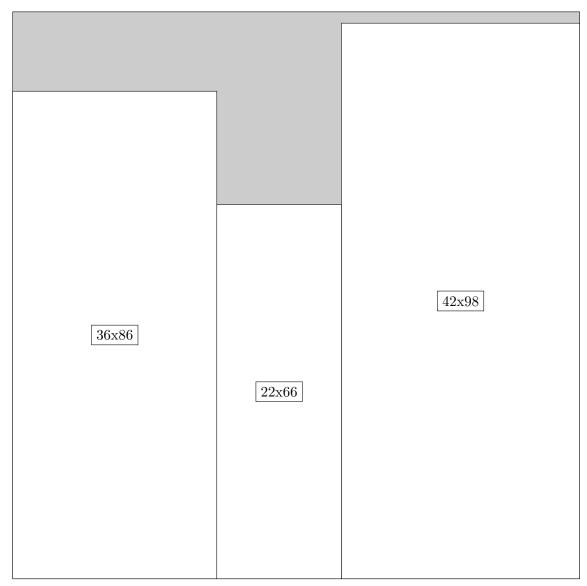
$$\le =15$$
 , h =67 , x =85 , y =0 , v =1005

$$\mathbf{w}$$
 =16 , h =68 , x =69 , y =0 , v =1088

 $[\]le =32$, h =68 , x =37 , y =0 , v =2176



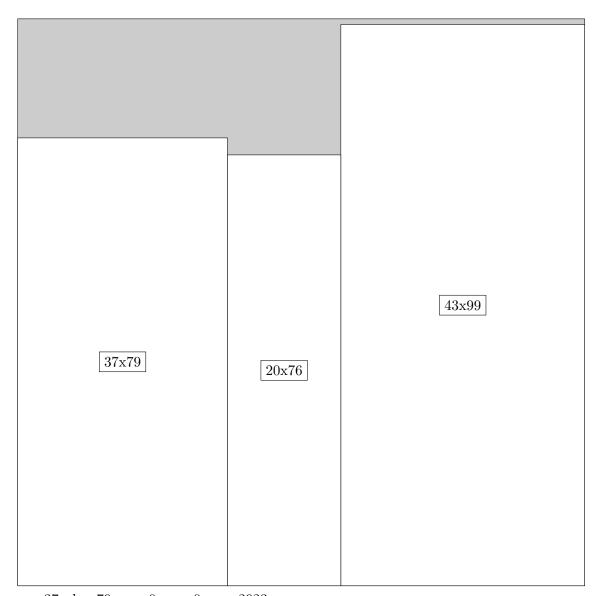
 $\begin{array}{l} w = \! 18 \ , \ h = \! 99 \ , \ x = \! 82 \ , \ y = \! 0 \ , \ v = \! 1782 \\ w = \! 20 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1800 \\ w = \! 40 \ , \ h = \! 79 \ , \ x = \! 20 \ , \ y = \! 0 \ , \ v = \! 3160 \\ w = \! 5 \ , \ h = \! 87 \ , \ x = \! 60 \ , \ y = \! 0 \ , \ v = \! 435 \\ w = \! 17 \ , \ h = \! 98 \ , \ x = \! 65 \ , \ y = \! 0 \ , \ v = \! 1666 \end{array}$



$$w = 36$$
, $h = 86$, $x = 0$, $y = 0$, $v = 3096$

$$\le =22$$
 , h =66 , x =36 , y =0 , v =1452

$$\le =42$$
 , $h=98$, $x=58$, $y=0$, $v=4116$



w =37, h =79, x =0, y =0, v =2923

w = 43, h = 99, x = 57, y = 0, v = 4257

 $\le =20$, h =76 , x =37 , y =0 , v =1520