${\bf ClassName:}\ {\bf Class\_08.2bp\text{-}20}$ 

BinSize:  $100 \times 100$ ReduceSize:  $100 \times 100$ 

TypeNum: **60** Num: **60** OutS: 170000InS: 145807Rate:  $\underline{0.858}$ UB: <u>17</u> LB0: **17** 

LBWithCut: 17 NodeCut: **0** 

LB: **17** 

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

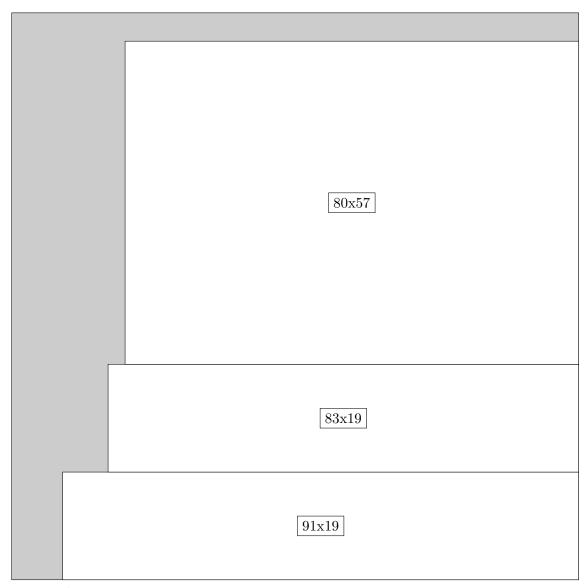
GenNodeCnt:  $\mathbf{1}$ PrimalNode:  $\mathbf{0}$ ColumnCount: 17  $TotalCutCount: \ \mathbf{0}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ 

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

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

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

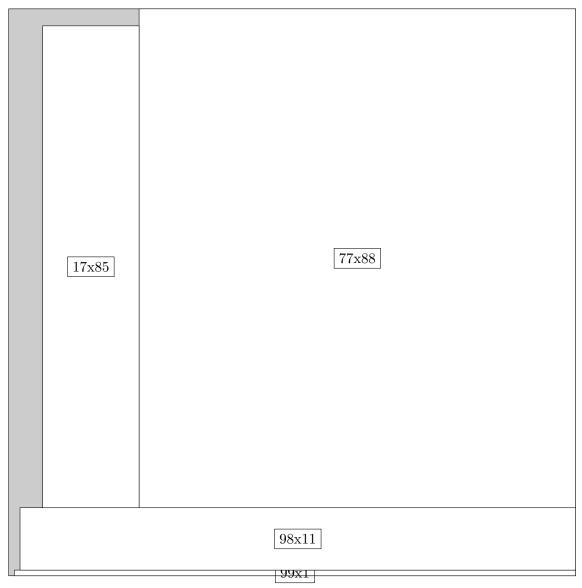
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 s TimeOnRmp: 0.086 sTotal Time: 600.362 s



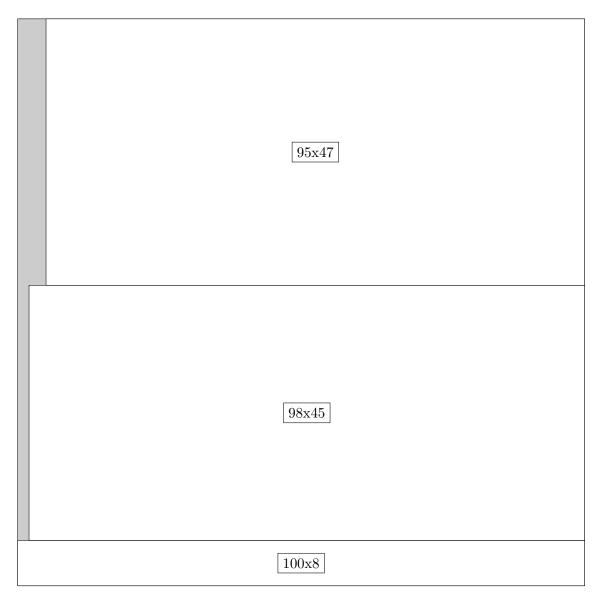
$$\le =91$$
 , h =19 , x =9 , y =0 , v =1729

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

$$\le =80$$
 , h =57 , x =20 , y =38 , v =4560



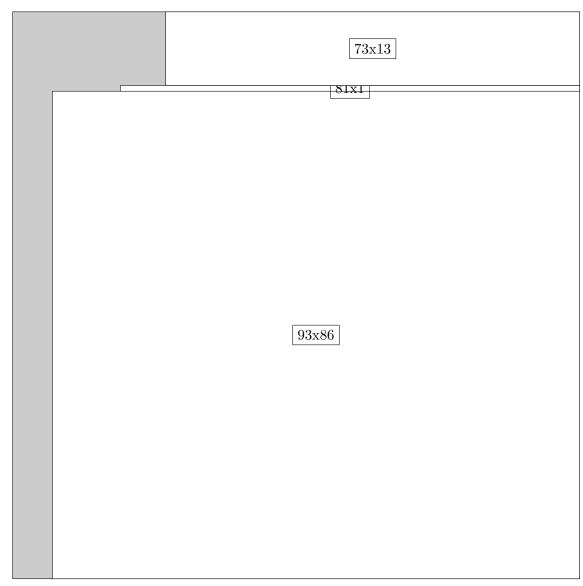
$$\begin{array}{l} w = 99 \ , \ h = 1 \ , \ x = 1 \ , \ y = 0 \ , \ v = 99 \\ w = 98 \ , \ h = 11 \ , \ x = 2 \ , \ y = 1 \ , \ v = 1078 \\ w = 77 \ , \ h = 88 \ , \ x = 23 \ , \ y = 12 \ , \ v = 6776 \\ w = 17 \ , \ h = 85 \ , \ x = 6 \ , \ y = 12 \ , \ v = 1445 \end{array}$$



$$\begin{array}{l} w = \! 100 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 800 \\ w = \! 98 \; , \; h = \! 45 \; , \; x = \! 2 \; , \; y = \! 8 \; , \; v = \! 4410 \\ w = \! 95 \; , \; h = \! 47 \; , \; x = \! 5 \; , \; y = \! 53 \; , \; v = \! 4465 \end{array}$$



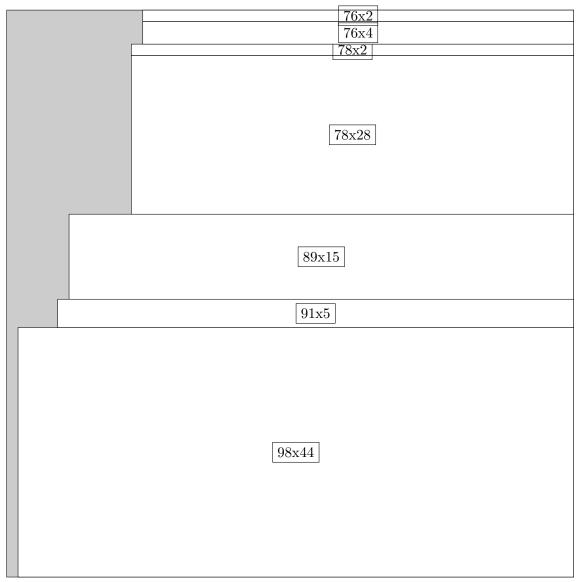
$$\begin{array}{l} w = \! 90 \ , \, h = \! 60 \ , \, x = \! 10 \ , \, y = \! 0 \ , \, v = \! 5400 \\ w = \! 88 \ , \, h = \! 40 \ , \, x = \! 12 \ , \, y = \! 60 \ , \, v = \! 3520 \end{array}$$



$$w = 93$$
,  $h = 86$ ,  $x = 7$ ,  $y = 0$ ,  $v = 7998$ 

$$\le =81$$
 ,  $h$  =1 ,  $x$  =19 ,  $y$  =86 ,  $v$  =81

$$\le =73$$
 , h =13 , x =27 , y =87 , v =949



$$\le =98$$
 , h =44 , x =2 , y =0 , v =4312

$$w = 91$$
,  $h = 5$ ,  $x = 9$ ,  $y = 44$ ,  $v = 455$ 

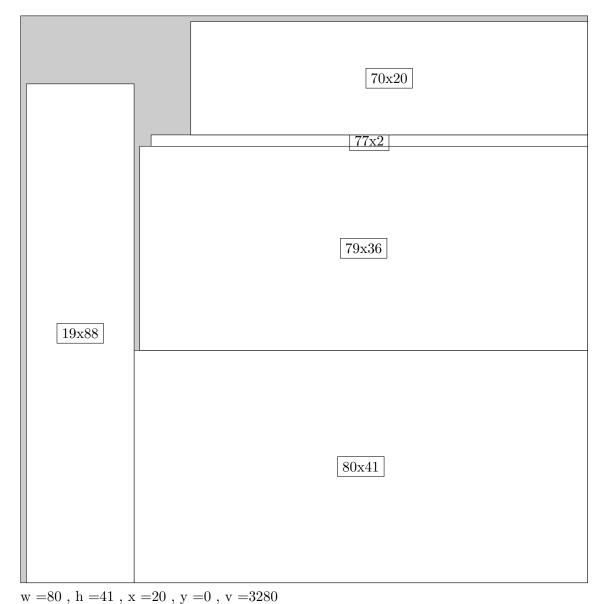
$$\le =89$$
 ,  $h$  =15 ,  $x$  =11 ,  $y$  =49 ,  $v$  =1335

$$\le -78$$
 , h =28 , x =22 , y =64 , v =2184

$$w=\!78$$
 ,  $h=\!2$  ,  $x=\!22$  ,  $y=\!92$  ,  $v=\!156$ 

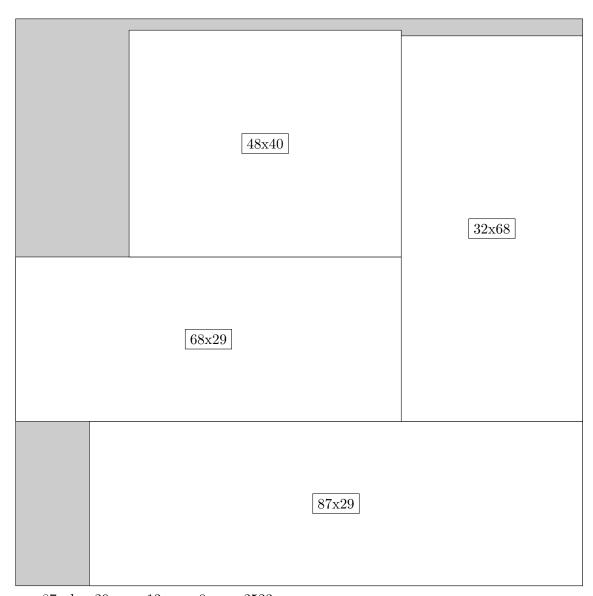
$$w$$
 =76 ,  $h$  =4 ,  $x$  =24 ,  $y$  =94 ,  $v$  =304

$$w$$
 =76 ,  $h$  =2 ,  $x$  =24 ,  $y$  =98 ,  $v$  =152



$$w = 19$$
,  $h = 88$ ,  $x = 1$ ,  $y = 0$ ,  $v = 1672$ 



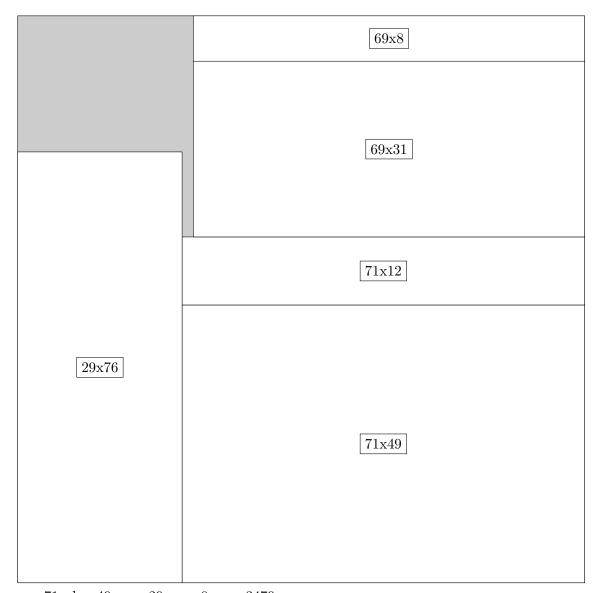


$$\le =87$$
 , h =29 , x =13 , y =0 , v =2523

$$\le =32$$
 , h =68 , x =68 , y =29 , v =2176

$$\le =68$$
 , h =29 , x =0 , y =29 , v =1972

$$\le =48$$
 , h =40 , x =20 , y =58 , v =1920



$$\le =71$$
 , h =49 , x =29 , y =0 , v =3479

$$w$$
 =71 ,  $h$  =12 ,  $x$  =29 ,  $y$  =49 ,  $v$  =852

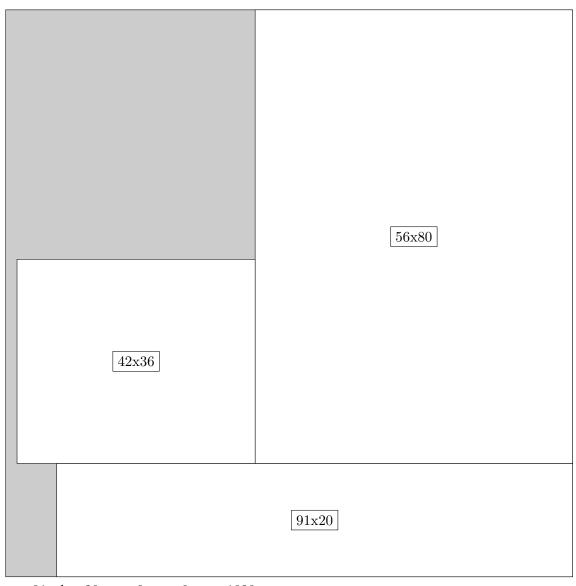
$$\le =69$$
 , h =31 , x =31 , y =61 , v =2139

$$\le =69$$
 , h =8 , x =31 , y =92 , v =552

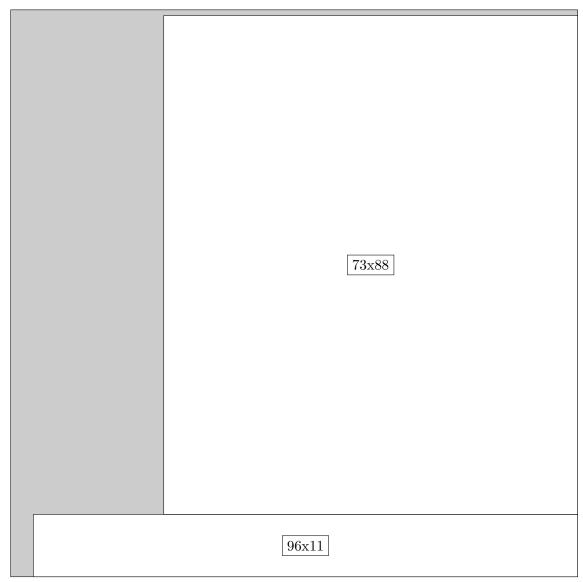
$$\le =29$$
 , h =76 , x =0 , y =0 , v =2204



$$\begin{array}{l} w = \! 95 \; , \; h = \! 48 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 4560 \\ w = \! 78 \; , \; h = \! 49 \; , \; x = \! 22 \; , \; y = \! 48 \; , \; v = \! 3822 \end{array}$$



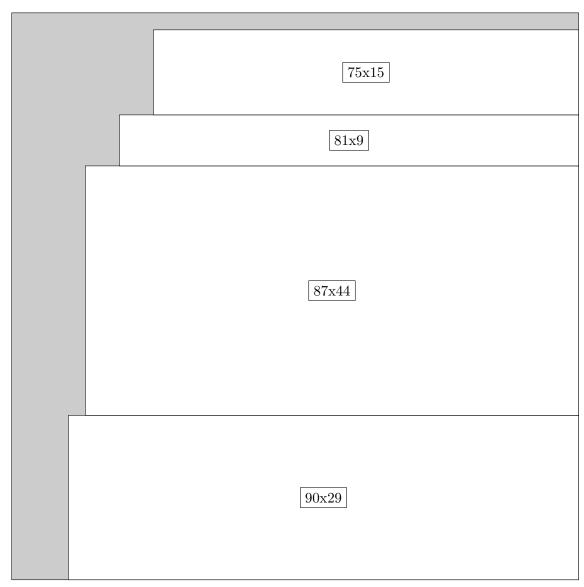
$$\begin{array}{l} w = & 91 \ , \ h = & 20 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 1820 \\ w = & 56 \ , \ h = & 80 \ , \ x = & 44 \ , \ y = & 20 \ , \ v = & 4480 \\ w = & 42 \ , \ h = & 36 \ , \ x = & 2 \ , \ y = & 20 \ , \ v = & 1512 \end{array}$$



$$\begin{array}{l} w = \! 96 \; , \; h = \! 11 \; , \; x = \! 4 \; , \; y = \! 0 \; , \; v = \! 1056 \\ w = \! 73 \; , \; h = \! 88 \; , \; x = \! 27 \; , \; y = \! 11 \; , \; v = \! 6424 \end{array}$$



$$\begin{array}{l} w = \! 82 \ , \ h = \! 46 \ , \ x = \! 18 \ , \ y = \! 0 \ , \ v = \! 3772 \\ w = \! 77 \ , \ h = \! 47 \ , \ x = \! 23 \ , \ y = \! 46 \ , \ v = \! 3619 \end{array}$$

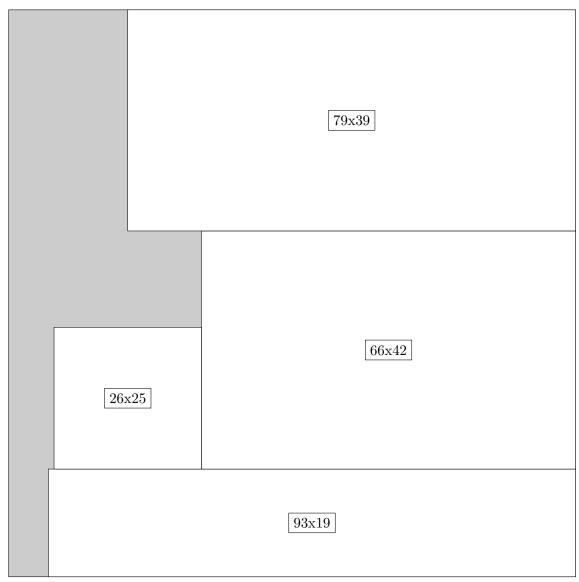


$$\mathbf{w}$$
 =90 ,  $\mathbf{h}$  =29 ,  $\mathbf{x}$  =10 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =2610

$$w = 87$$
,  $h = 44$ ,  $x = 13$ ,  $y = 29$ ,  $v = 3828$ 

$$\le =81$$
 , h =9 , x =19 , y =73 , v =729

$$\le =75$$
 ,  $h$  =15 ,  $x$  =25 ,  $y$  =82 ,  $v$  =1125

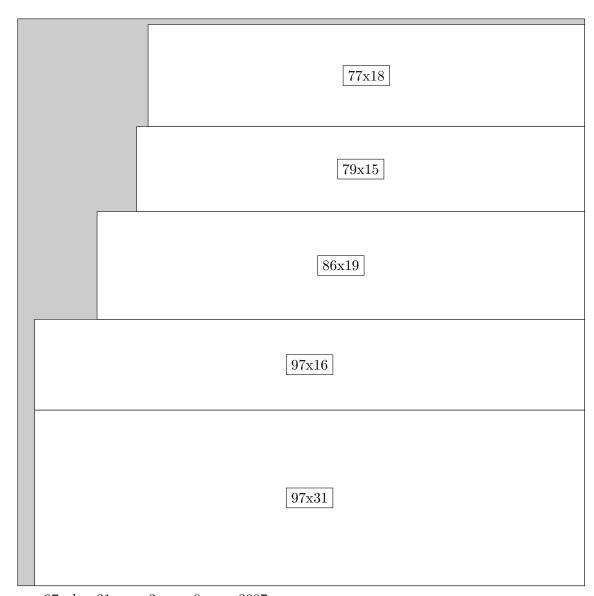


$$\le =93$$
 ,  $h$  =19 ,  $x$  =7 ,  $y$  =0 ,  $v$  =1767

$$\le =66$$
 , h =42 , x =34 , y =19 , v =2772

$$\le =26$$
 , h =25 , x =8 , y =19 , v =650

$$\le =79$$
 , h =39 , x =21 , y =61 , v =3081



$$\le =97$$
 , h =31 , x =3 , y =0 , v =3007

$$\le =97$$
 , h =16 , x =3 , y =31 , v =1552

$$\le =86$$
 ,  $h$  =19 ,  $x$  =14 ,  $y$  =47 ,  $v$  =1634

$$\le =79$$
 , h =15 , x =21 , y =66 , v =1185

$$\le =77$$
 , h =18 , x =23 , y =81 , v =1386