${\bf ClassName:}~{\bf Class_03.2bp\text{-}23}$

BinSize: $\underline{40 \times 40}$ ReduceSize: $\underline{40 \times 40}$

TypeNum: <u>58</u>
Num: <u>60</u>
OutS: <u>24000</u>
InS: <u>19663</u>
Rate: <u>0.819</u>
UB: <u>15</u>
LB0: <u>15</u>
LB: <u>15</u>

LBWithCut: $\underline{\bf 15}$ NodeCut: $\underline{\bf 0}$

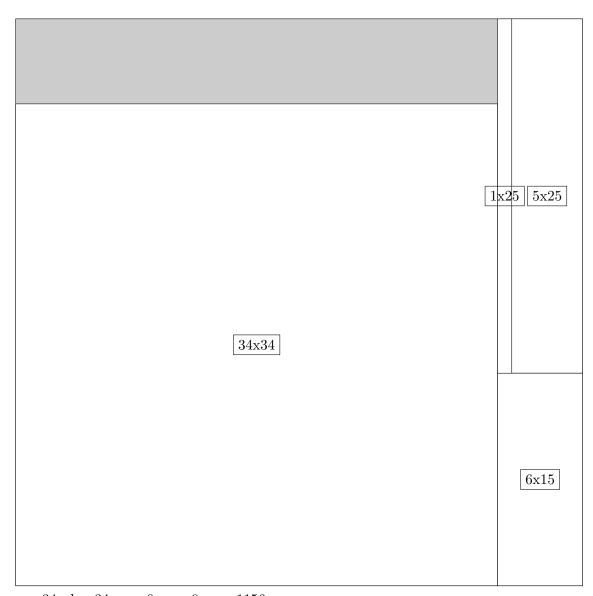
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{15}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

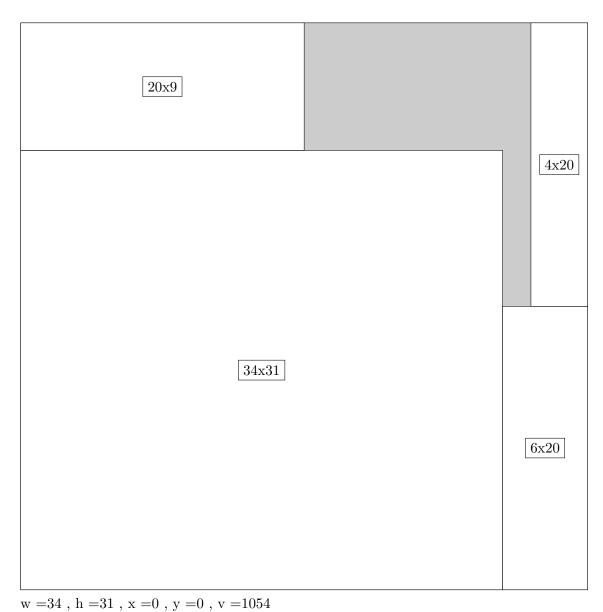
isOpt: $\underline{\mathbf{true}}$

TimeOnInitSolution: $\underline{120.010 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 120.135 s

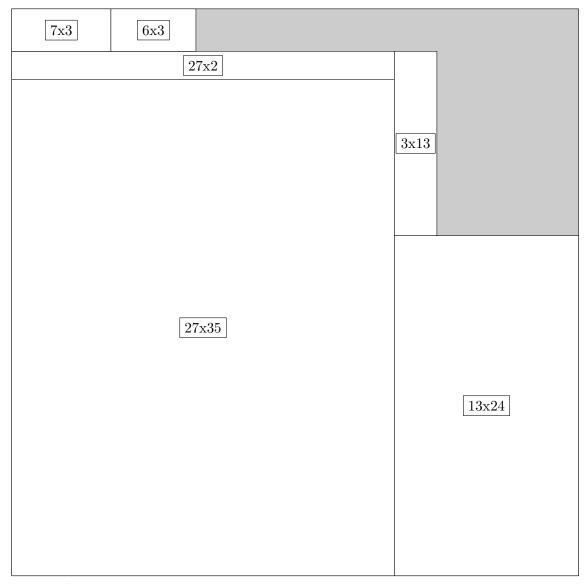


 $\begin{array}{l} w = & 34 \ , \ h = & 34 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 1156 \\ w = & 5 \ , \ h = & 25 \ , \ x = & 35 \ , \ y = & 15 \ , \ v = & 125 \\ w = & 6 \ , \ h = & 15 \ , \ x = & 34 \ , \ y = & 0 \ , \ v = & 90 \\ w = & 1 \ , \ h = & 25 \ , \ x = & 34 \ , \ y = & 15 \ , \ v = & 25 \end{array}$

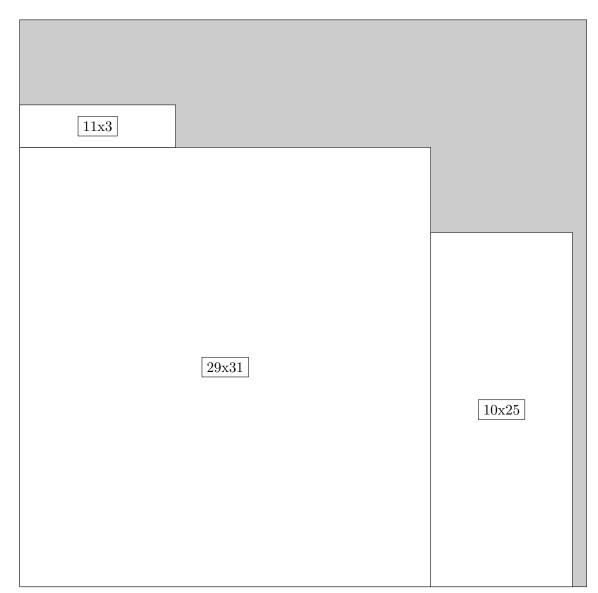


 $\le =20$, h =9 , x =0 , y =31 , v =180 $\le =6$, h =20 , x =34 , y =0 , v =120

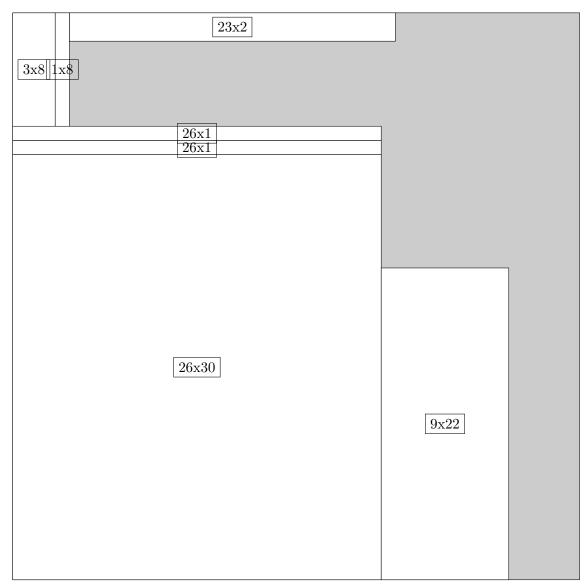
 \mathbf{w} =4 , h =20 , x =36 , y =20 , v =80



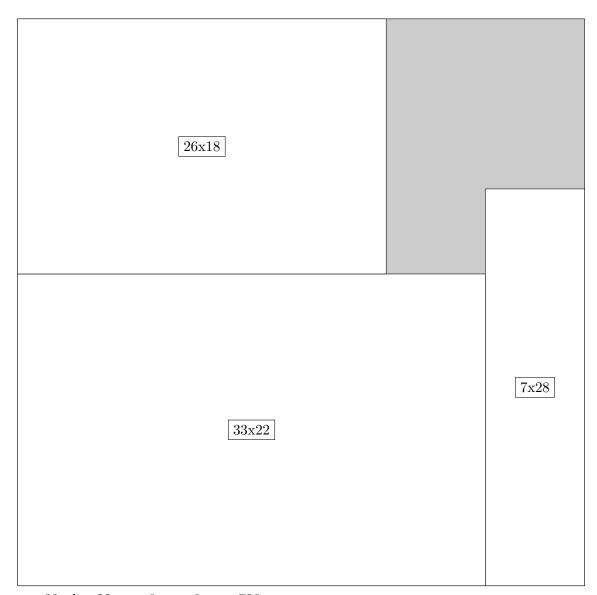
$$\begin{array}{l} w = 27 \; , \; h = 35 \; , \; x = 0 \; , \; y = 0 \; , \; v = 945 \\ w = 13 \; , \; h = 24 \; , \; x = 27 \; , \; y = 0 \; , \; v = 312 \\ w = 27 \; , \; h = 2 \; , \; x = 0 \; , \; y = 35 \; , \; v = 54 \\ w = 3 \; , \; h = 13 \; , \; x = 27 \; , \; y = 24 \; , \; v = 39 \\ w = 7 \; , \; h = 3 \; , \; x = 0 \; , \; y = 37 \; , \; v = 21 \\ w = 6 \; , \; h = 3 \; , \; x = 7 \; , \; y = 37 \; , \; v = 18 \end{array}$$



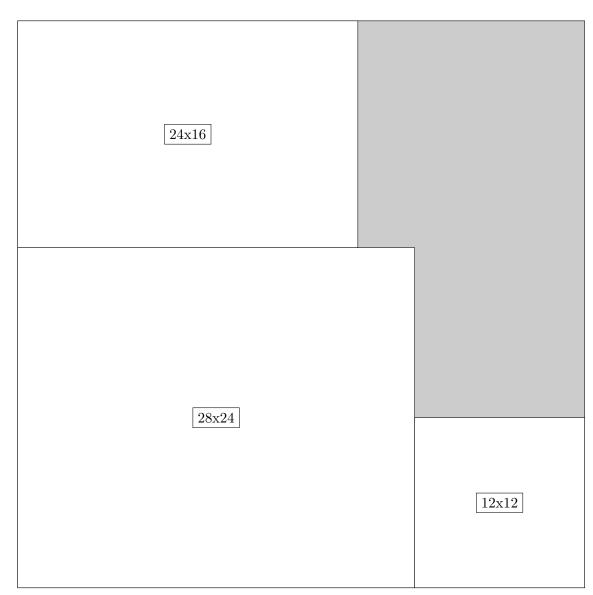
$$\begin{array}{l} w = 29 \ , \ h = 31 \ , \ x = 0 \ , \ y = 0 \ , \ v = 899 \\ w = 10 \ , \ h = 25 \ , \ x = 29 \ , \ y = 0 \ , \ v = 250 \\ w = 11 \ , \ h = 3 \ , \ x = 0 \ , \ y = 31 \ , \ v = 33 \end{array}$$



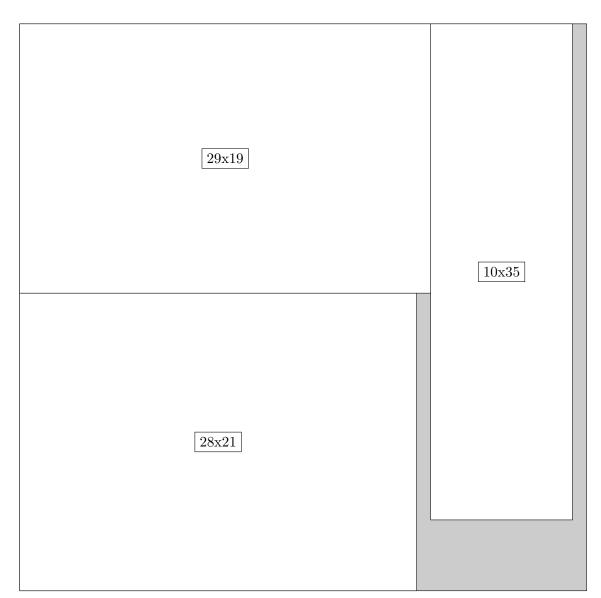
$$\begin{array}{l} w=26\;,\; h=30\;,\; x=0\;,\; y=0\;,\; v=780\\ w=9\;,\; h=22\;,\; x=26\;,\; y=0\;,\; v=198\\ w=23\;,\; h=2\;,\; x=4\;,\; y=38\;,\; v=46\\ w=26\;,\; h=1\;,\; x=0\;,\; y=30\;,\; v=26\\ w=26\;,\; h=1\;,\; x=0\;,\; y=31\;,\; v=26\\ w=3\;,\; h=8\;,\; x=0\;,\; y=32\;,\; v=24\\ w=1\;,\; h=8\;,\; x=3\;,\; y=32\;,\; v=8 \end{array}$$



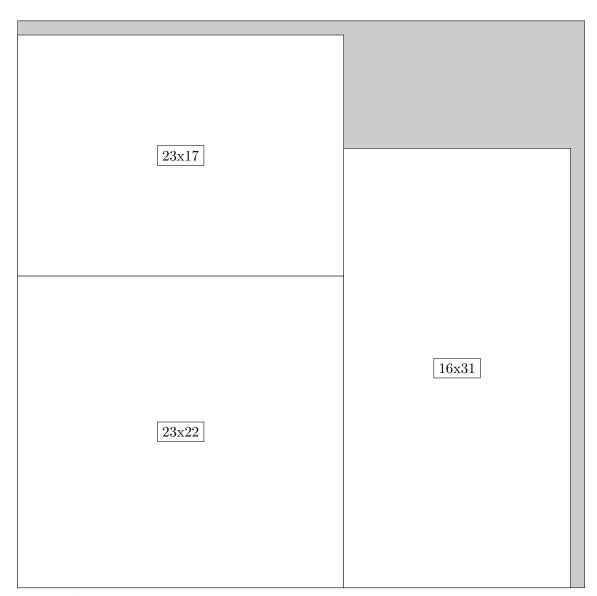
 $\begin{array}{l} w = \! 33 \; , \; h = \! 22 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 726 \\ w = \! 26 \; , \; h = \! 18 \; , \; x = \! 0 \; , \; y = \! 22 \; , \; v = \! 468 \\ w = \! 7 \; , \; h = \! 28 \; , \; x = \! 33 \; , \; y = \! 0 \; , \; v = \! 196 \end{array}$



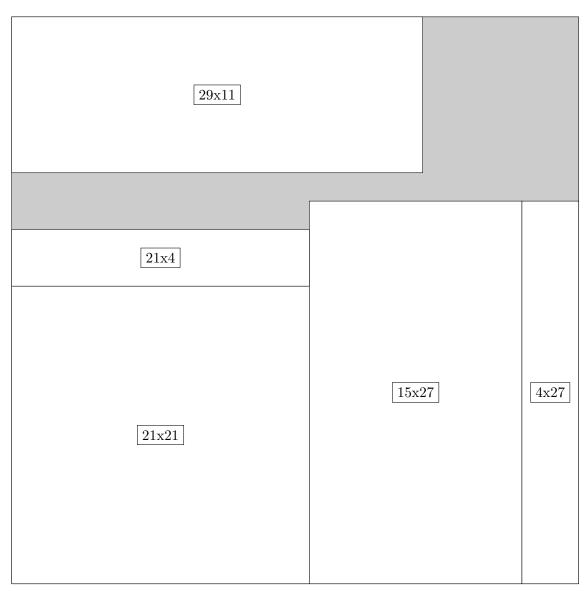
$$\begin{array}{l} w = 12 \ , \ h = 12 \ , \ x = 28 \ , \ y = 0 \ , \ v = 144 \\ w = 28 \ , \ h = 24 \ , \ x = 0 \ , \ y = 0 \ , \ v = 672 \\ w = 24 \ , \ h = 16 \ , \ x = 0 \ , \ y = 24 \ , \ v = 384 \end{array}$$



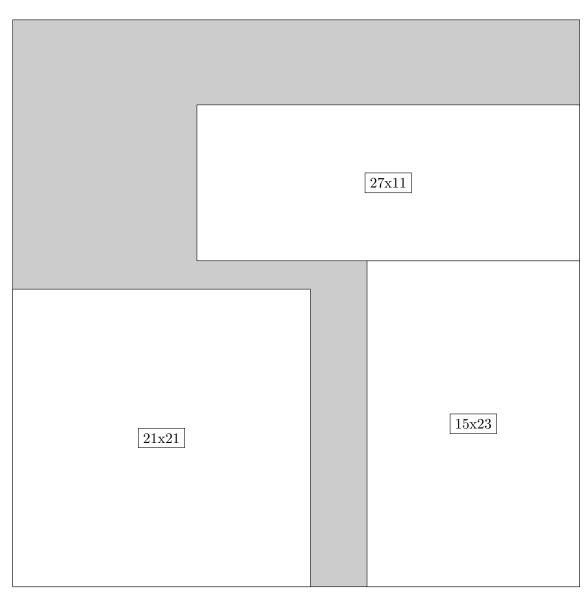
$$\begin{array}{l} w = 28 \ , \ h = 21 \ , \ x = 0 \ , \ y = 0 \ , \ v = 588 \\ w = 29 \ , \ h = 19 \ , \ x = 0 \ , \ y = 21 \ , \ v = 551 \\ w = 10 \ , \ h = 35 \ , \ x = 29 \ , \ y = 5 \ , \ v = 350 \end{array}$$



$$\begin{array}{l} w=23 \ , \ h=22 \ , \ x=0 \ , \ y=0 \ , \ v=506 \\ w=16 \ , \ h=31 \ , \ x=23 \ , \ y=0 \ , \ v=496 \\ w=23 \ , \ h=17 \ , \ x=0 \ , \ y=22 \ , \ v=391 \end{array}$$



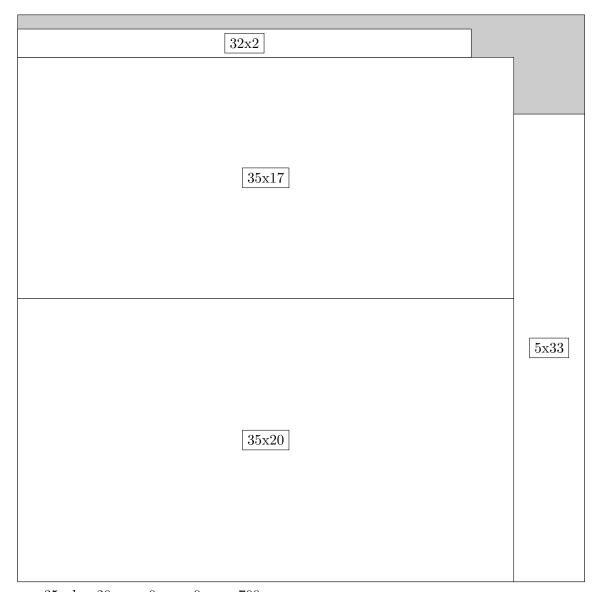
$$\begin{array}{l} w = 21 \; , \; h = 21 \; , \; x = 0 \; , \; y = 0 \; , \; v = 441 \\ w = 15 \; , \; h = 27 \; , \; x = 21 \; , \; y = 0 \; , \; v = 405 \\ w = 29 \; , \; h = 11 \; , \; x = 0 \; , \; y = 29 \; , \; v = 319 \\ w = 4 \; , \; h = 27 \; , \; x = 36 \; , \; y = 0 \; , \; v = 108 \\ w = 21 \; , \; h = 4 \; , \; x = 0 \; , \; y = 21 \; , \; v = 84 \end{array}$$



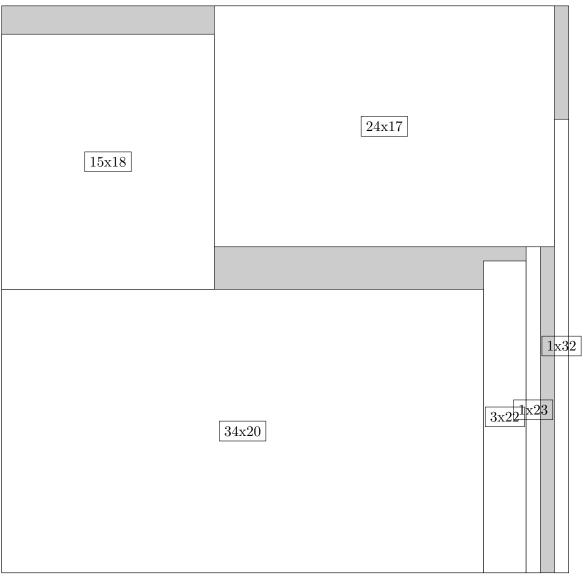
$$w = 21$$
, $h = 21$, $x = 0$, $y = 0$, $v = 441$

$$\le =15$$
 , h =23 , x =25 , y =0 , v =345

$$\le =27$$
 , h =11 , x =13 , y =23 , v =297



$$\begin{array}{l} w = & 35 \ , \ h = & 20 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 700 \\ w = & 35 \ , \ h = & 17 \ , \ x = & 0 \ , \ y = & 20 \ , \ v = & 595 \\ w = & 5 \ , \ h = & 33 \ , \ x = & 35 \ , \ y = & 0 \ , \ v = & 165 \\ w = & 32 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 37 \ , \ v = & 64 \end{array}$$



$$\le 34$$
 , h =
20 , x =
0 , y =
0 , v =
680

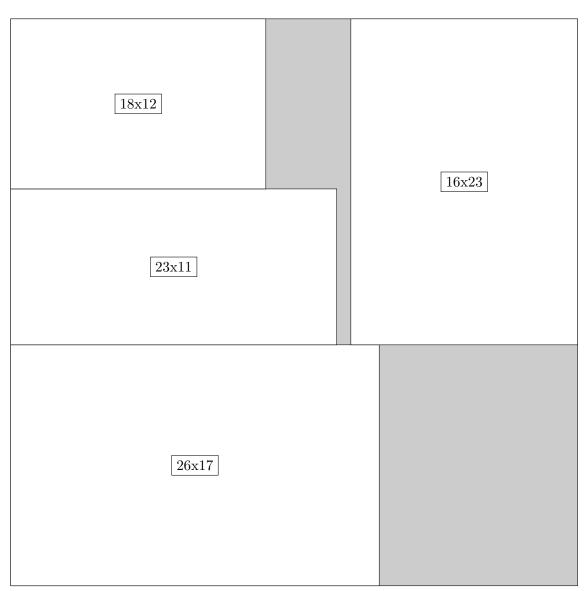
$$\le =24$$
 , h =17 , x =15 , y =23 , v =408

$$\le =15$$
 , h =18 , x =0 , y =20 , v =270

$$\le =3$$
 , h =22 , x =34 , y =0 , v =66

$$\mathbf{w}$$
 =1 , h =32 , x =39 , y =0 , v =32

$$\mathbf{w}$$
 =1 , h =23 , x =37 , y =0 , v =23



$$\le =26$$
 , h =17 , x =0 , y =0 , v =442

$$\le =23$$
 , h =11 , x =0 , y =17 , v =253

$$\le =16$$
 , h =23 , x =24 , y =17 , v =368

$$\le =18$$
 , h =12 , x =0 , y =28 , v =216

