${\bf ClassName:}~{\bf Class_03.2bp\text{-}12}$

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

TypeNum: <u>39</u> Num: <u>40</u> OutS: <u>17600</u> InS: <u>14528</u> Rate: <u>0.825</u> UB: <u>11</u>

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

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

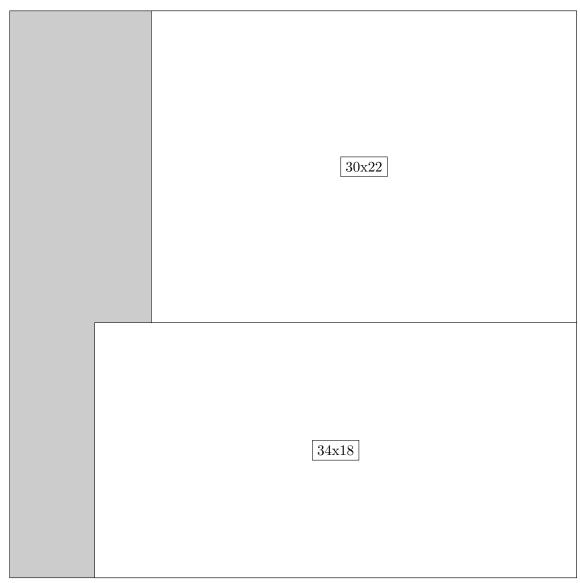
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

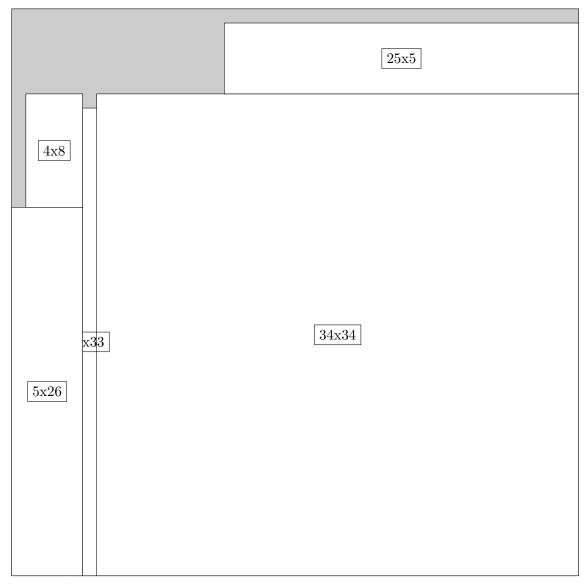
isOpt: $\underline{\mathbf{true}}$

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

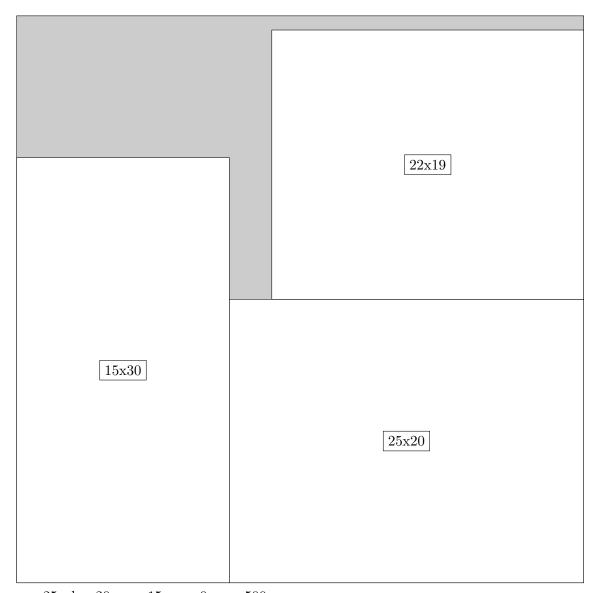
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.344 s



$$\begin{array}{c} w = \! 34 \; , \; h = \! 18 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 612 \\ w = \! 30 \; , \; h = \! 22 \; , \; x = \! 10 \; , \; y = \! 18 \; , \; v = \! 660 \end{array}$$

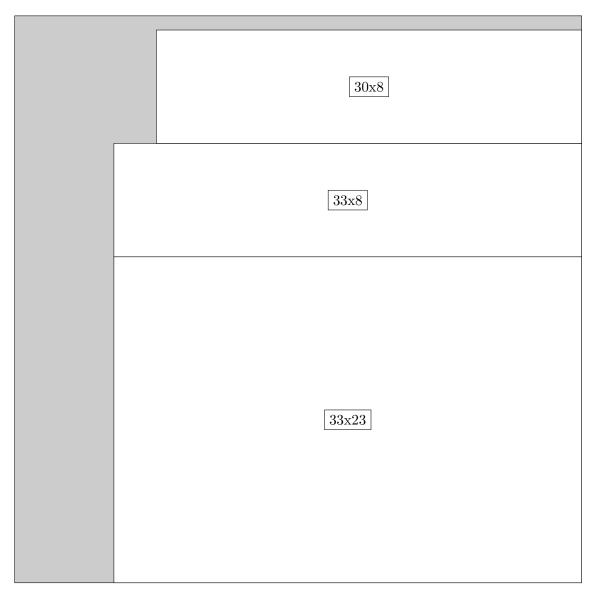


 $\begin{array}{l} w = \! 34 \;,\; h = \! 34 \;,\; x = \! 6 \;,\; y = \! 0 \;,\; v = \! 1156 \\ w = \! 1 \;,\; h = \! 33 \;,\; x = \! 5 \;,\; y = \! 0 \;,\; v = \! 33 \\ w = \! 5 \;,\; h = \! 26 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 130 \\ w = \! 4 \;,\; h = \! 8 \;,\; x = \! 1 \;,\; y = \! 26 \;,\; v = \! 32 \\ w = \! 25 \;,\; h = \! 5 \;,\; x = \! 15 \;,\; y = \! 34 \;,\; v = \! 125 \end{array}$



$$\begin{array}{l} w = \! 25 \ , \ h = \! 20 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 500 \\ w = \! 22 \ , \ h = \! 19 \ , \ x = \! 18 \ , \ y = \! 20 \ , \ v = \! 418 \end{array}$$

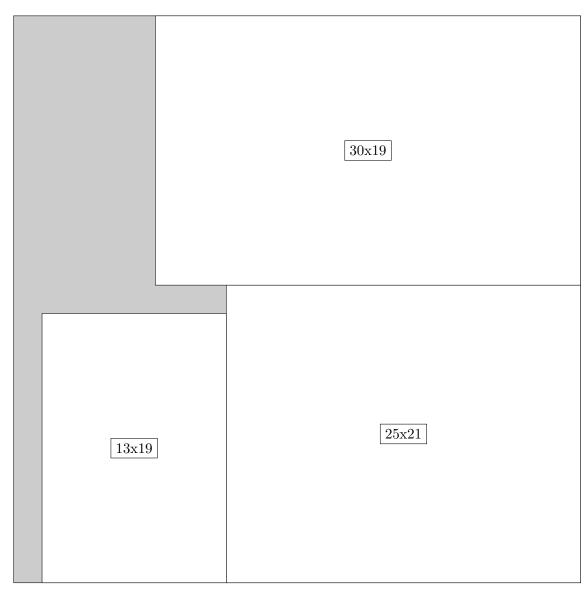
$$\le =15$$
 , h =30 , x =0 , y =0 , v =450



$$w = 33$$
, $h = 23$, $x = 7$, $y = 0$, $v = 759$

$$\le =33$$
 , h =8 , x =7 , y =23 , v =264

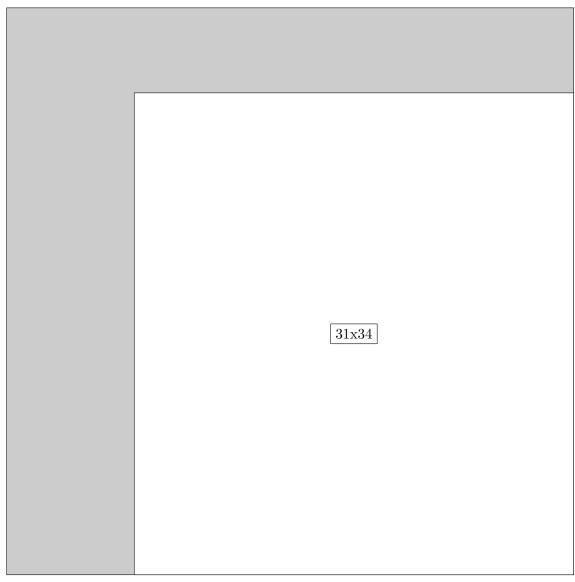
$$\le =30$$
 , h =8 , x =10 , y =31 , v =240



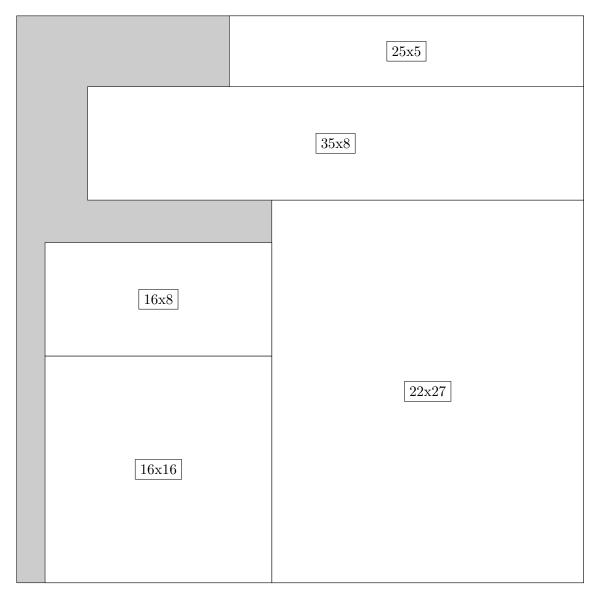
$$w$$
 =25 , h =21 , x =15 , y =0 , v =525

$$\mathbf{w}$$
 =13 , h =19 , x =2 , y =0 , v =247

$$\le =30$$
 , h =19 , x =10 , y =21 , v =570



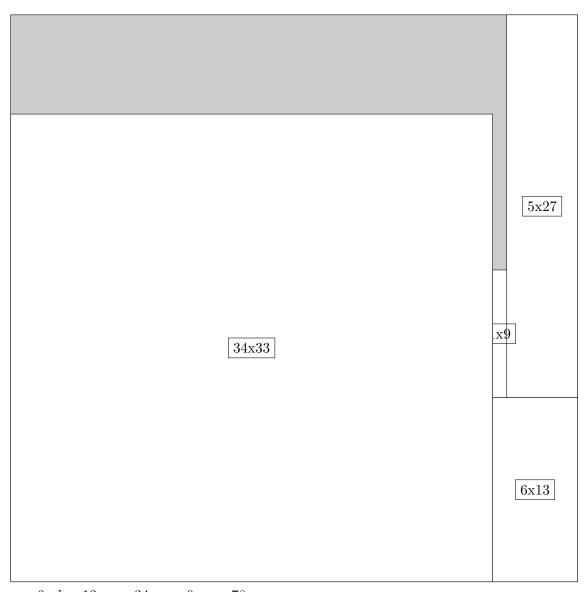
 $\le =31$, h =34 , x =9 , y =0 , v =1054



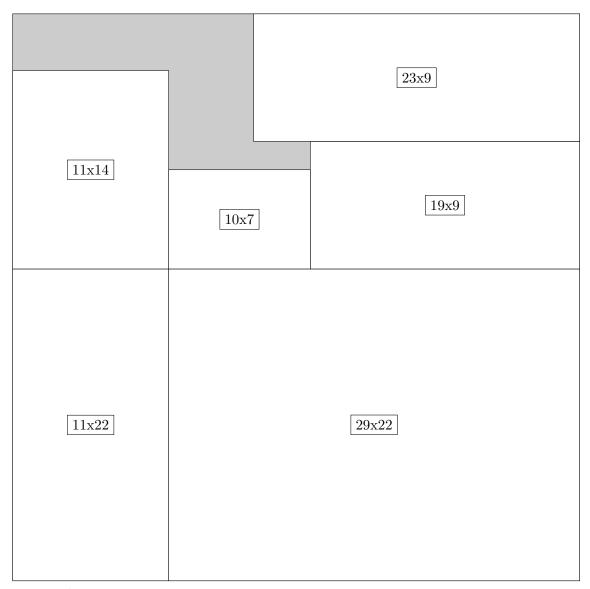
$$w$$
 =22 , h =27 , x =18 , y =0 , v =594

$$\begin{array}{l} w = \! 16 \ , \ h = \! 16 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 256 \\ w = \! 16 \ , \ h = \! 8 \ , \ x = \! 2 \ , \ y = \! 16 \ , \ v = \! 128 \end{array}$$

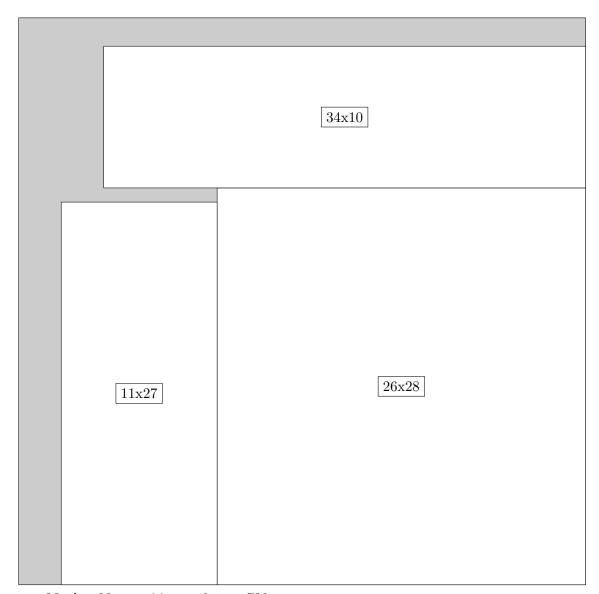
$$\begin{array}{l} w = \! 35 \ , \ h = \! 8 \ , \ x = \! 5 \ , \ y = \! 27 \ , \ v = \! 280 \\ w = \! 25 \ , \ h = \! 5 \ , \ x = \! 15 \ , \ y = \! 35 \ , \ v = \! 125 \end{array}$$



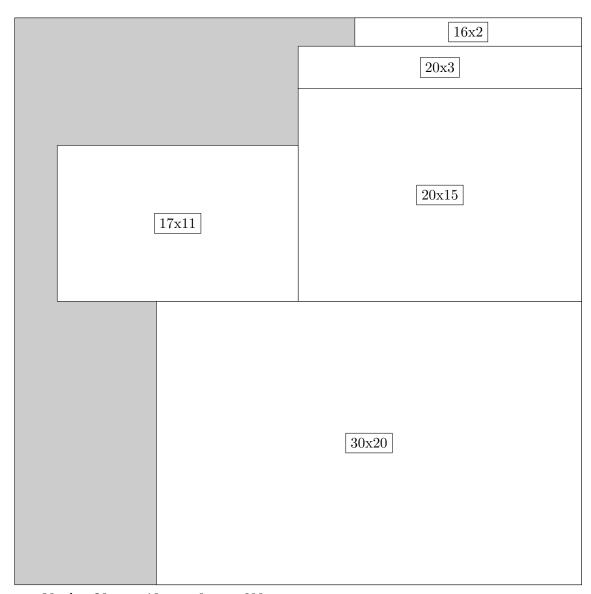
 $\begin{array}{l} w=6\ ,\, h=\!13\ ,\, x=\!34\ ,\, y=\!0\ ,\, v=\!78\\ w=\!5\ ,\, h=\!27\ ,\, x=\!35\ ,\, y=\!13\ ,\, v=\!135\\ w=\!1\ ,\, h=\!9\ ,\, x=\!34\ ,\, y=\!13\ ,\, v=\!9\\ w=\!34\ ,\, h=\!33\ ,\, x=\!0\ ,\, y=\!0\ ,\, v=\!1122 \end{array}$



$$\begin{array}{l} w=29 \ , \ h=22 \ , \ x=11 \ , \ y=0 \ , \ v=638 \\ w=19 \ , \ h=9 \ , \ x=21 \ , \ y=22 \ , \ v=171 \\ w=10 \ , \ h=7 \ , \ x=11 \ , \ y=22 \ , \ v=70 \\ w=23 \ , \ h=9 \ , \ x=17 \ , \ y=31 \ , \ v=207 \\ w=11 \ , \ h=22 \ , \ x=0 \ , \ y=0 \ , \ v=242 \\ w=11 \ , \ h=14 \ , \ x=0 \ , \ y=22 \ , \ v=154 \end{array}$$



$$\begin{array}{l} w = 26 \ , \ h = 28 \ , \ x = 14 \ , \ y = 0 \ , \ v = 728 \\ w = 11 \ , \ h = 27 \ , \ x = 3 \ , \ y = 0 \ , \ v = 297 \\ w = 34 \ , \ h = 10 \ , \ x = 6 \ , \ y = 28 \ , \ v = 340 \end{array}$$



$$w$$
 =30 , h =20 , x =10 , y =0 , v =600

$$\le =20$$
 , h =15 , x =20 , y =20 , v =300

$$w=\!20$$
 , $h=\!3$, $x=\!20$, $y=\!35$, $v=\!60$

$$\le =16$$
 , h =2 , x =24 , y =38 , v =32

$$\mathbf{w}$$
 =17 , h =11 , x =3 , y =20 , v =187