$ClassName: \ Class_03.2bp\text{-}13$

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

TypeNum: $\underline{40}$ Num: $\underline{40}$ OutS: $\underline{16000}$ InS: $\underline{13176}$ Rate: $\underline{0.824}$ UB: $\underline{10}$ LB0: $\underline{10}$

LBWithCut: $\underline{\mathbf{10}}$ NodeCut: $\underline{\mathbf{0}}$

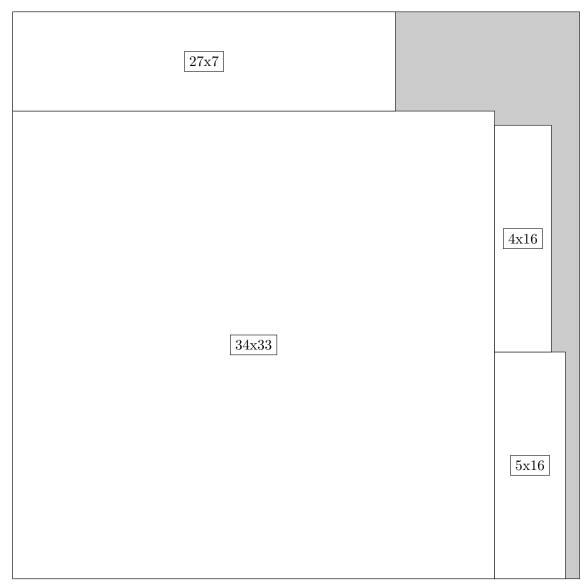
LB: **10**

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{10}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.020 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.145 \ s} \end{array}$

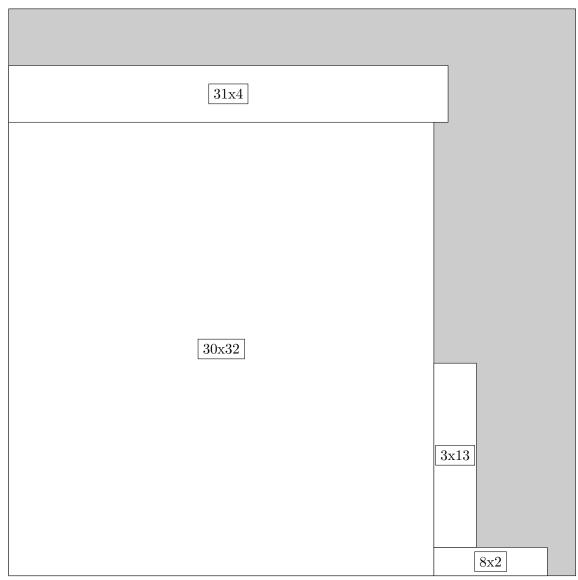


 $\mathbf{w=}34\;,\;\mathbf{h=}33\;,\;\mathbf{x=}0\;,\;\mathbf{y=}0\;,\;\mathbf{v=}1122$

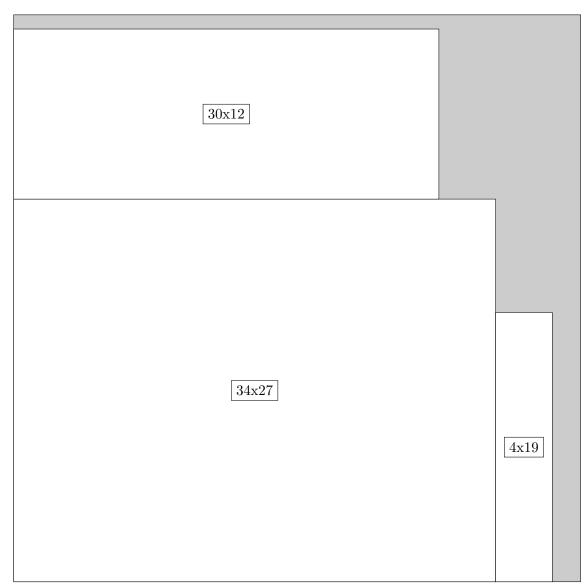
w = 27, h = 7, x = 0, y = 33, v = 189

 ≤ 5 , h = 16 , x = 34 , y = 0 , v = 80

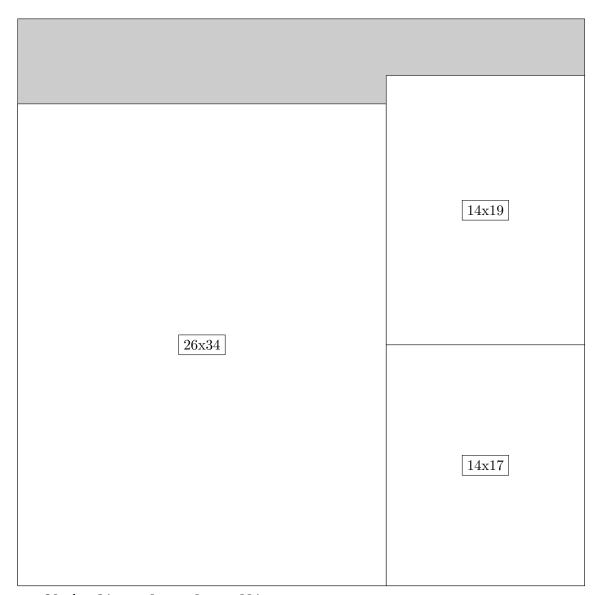
 $\mathbf{w}=\!\!4$, $\mathbf{h}=\!\!16$, $\mathbf{x}=\!\!34$, $\mathbf{y}=\!\!16$, $\mathbf{v}=\!\!64$



 $\begin{array}{l} w = & 30 \ , \ h = & 32 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 960 \\ w = & 31 \ , \ h = & 4 \ , \ x = & 0 \ , \ y = & 32 \ , \ v = & 124 \\ w = & 3 \ , \ h = & 13 \ , \ x = & 30 \ , \ y = & 2 \ , \ v = & 39 \\ w = & 8 \ , \ h = & 2 \ , \ x = & 30 \ , \ y = & 0 \ , \ v = & 16 \end{array}$

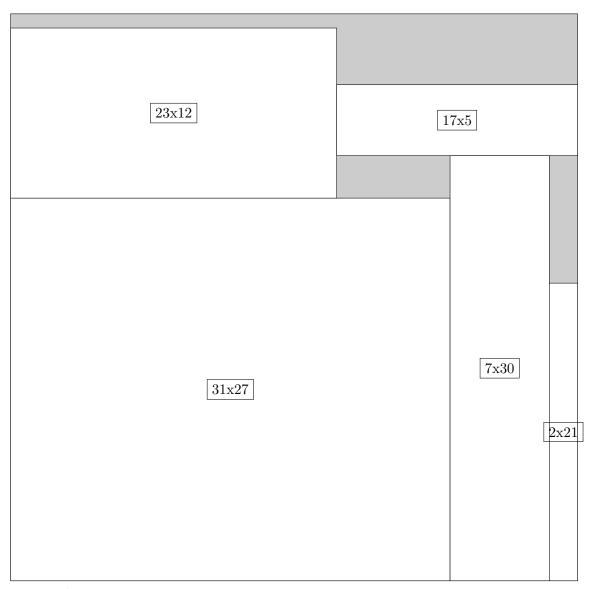


$$\begin{array}{l} w = \! 34 \; , \; h = \! 27 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 918 \\ w = \! 30 \; , \; h = \! 12 \; , \; x = \! 0 \; , \; y = \! 27 \; , \; v = \! 360 \\ w = \! 4 \; , \; h = \! 19 \; , \; x = \! 34 \; , \; y = \! 0 \; , \; v = \! 76 \end{array}$$

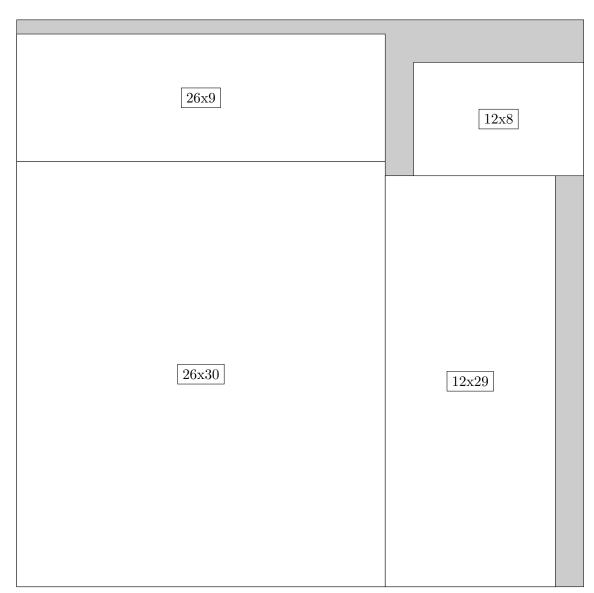


$$\begin{array}{l} w = \!\! 26 \ , \ h = \!\! 34 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 884 \\ w = \!\! 14 \ , \ h = \!\! 19 \ , \ x = \!\! 26 \ , \ y = \!\! 17 \ , \ v = \!\! 266 \end{array}$$

 $\le =14$, h =17 , x =26 , y =0 , v =238



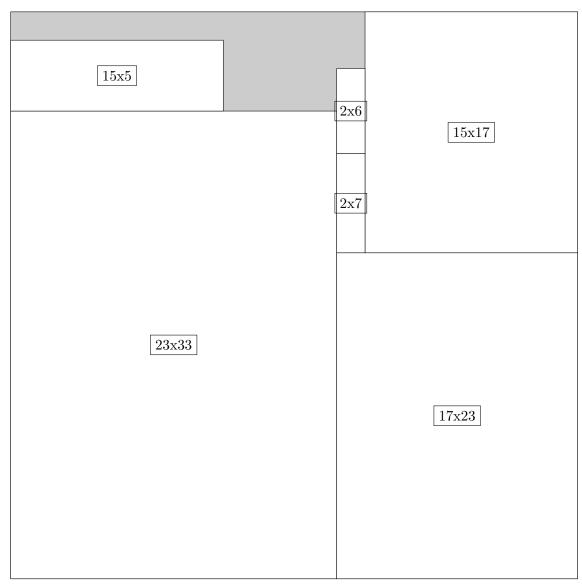
 $\begin{array}{l} w = & 31 \;,\; h = & 27 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 837 \\ w = & 7 \;,\; h = & 30 \;,\; x = & 31 \;,\; y = & 0 \;,\; v = & 210 \\ w = & 23 \;,\; h = & 12 \;,\; x = & 0 \;,\; y = & 27 \;,\; v = & 276 \\ w = & 17 \;,\; h = & 5 \;,\; x = & 23 \;,\; y = & 30 \;,\; v = & 85 \\ w = & 2 \;,\; h = & 21 \;,\; x = & 38 \;,\; y = & 0 \;,\; v = & 42 \end{array}$



$$\begin{array}{l} w = 26 \ , \ h = \!\! 30 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 780 \\ w = \!\! 12 \ , \ h = \!\! 29 \ , \ x = \!\! 26 \ , \ y = \!\! 0 \ , \ v = \!\! 348 \end{array}$$

$$\mathbf{w}$$
 =26 , h =9 , x =0 , y =30 , v =234

$$w = 20$$
, $h = 8$, $x = 0$, $y = 30$, $v = 234$
 $w = 12$, $h = 8$, $x = 28$, $y = 29$, $v = 96$



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

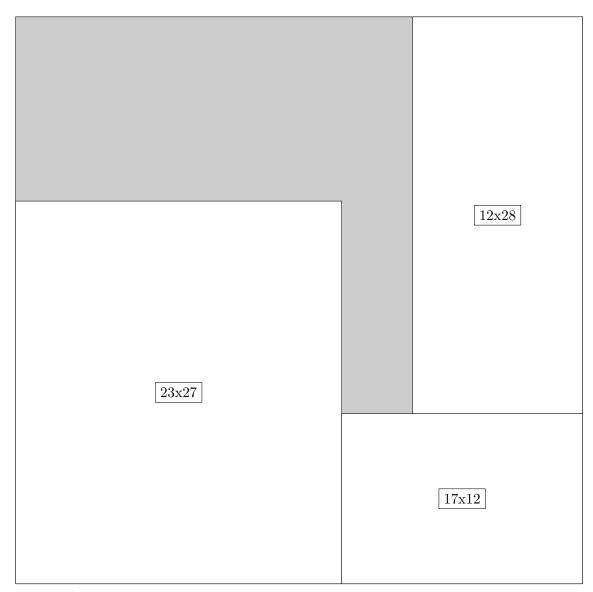
$$w=\!17$$
 , $h=\!23$, $x=\!23$, $y=\!0$, $v=\!391$

$$\le =15$$
 , h =17 , x =25 , y =23 , v =255

$$\le =15$$
 , $h=5$, $x=0$, $y=33$, $v=75$

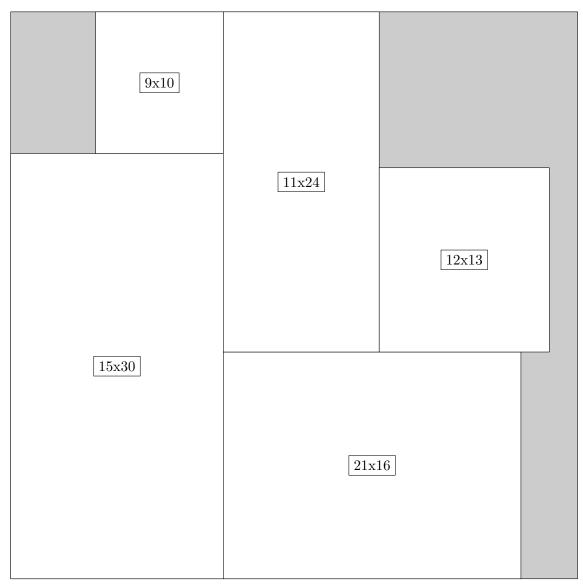
$$\mathbf{w}$$
 =2 , h =7 , x =23 , y =23 , v =14

$$\mathbf{w}$$
 =2 , h =6 , x =23 , y =30 , v =12



 $\begin{array}{l} w = \! 23 \ , \ h = \! 27 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 621 \\ w = \! 12 \ , \ h = \! 28 \ , \ x = \! 28 \ , \ y = \! 12 \ , \ v = \! 336 \end{array}$

 $\le =17$, h =12 , x =23 , y =0 , v =204



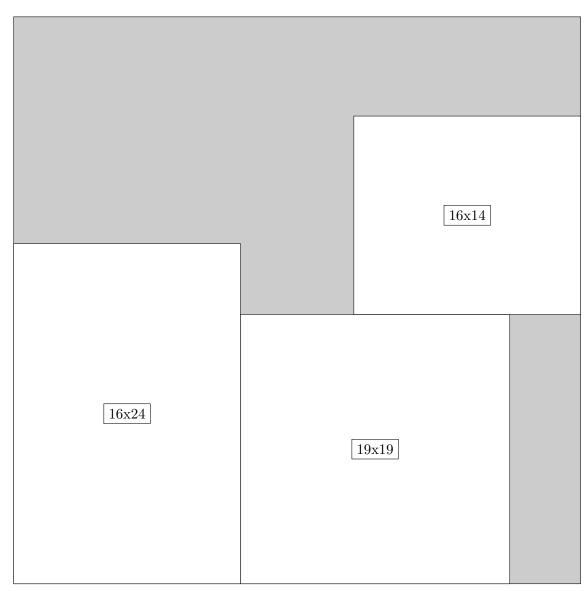
$$w = 15$$
, $h = 30$, $x = 0$, $y = 0$, $v = 450$

$$w = 21$$
, $h = 16$, $x = 15$, $y = 0$, $v = 336$

$$\le =11$$
 , h =24 , x =15 , y =16 , v =264

$$\le =12$$
 , h =13 , x =26 , y =16 , v =156

w=9 , $h=\!10$, $x=\!6$, $y=\!30$, $v=\!90$



$$\mathbf{w}$$
 =16 , h =24 , x =0 , y =0 , v =384

$$\le =19$$
 , $= 19$, $= 16$,

$$\le =16$$
 , h =14 , x =24 , y =19 , v =224