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

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>

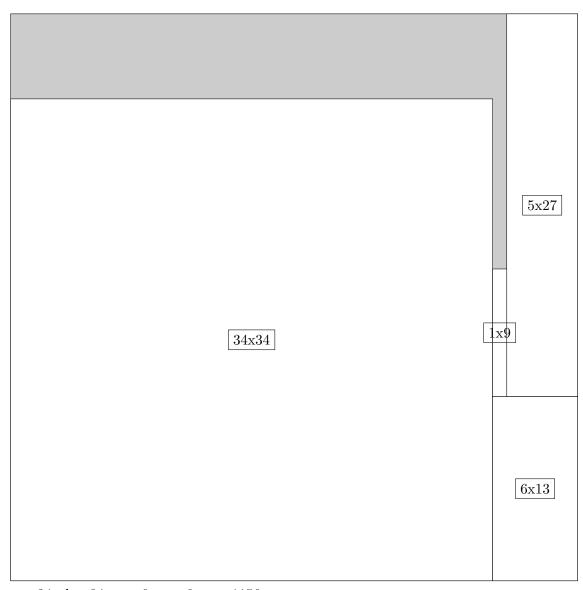
LBWithCut: $\underline{\mathbf{11}}$ NodeCut: $\underline{\mathbf{0}}$

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

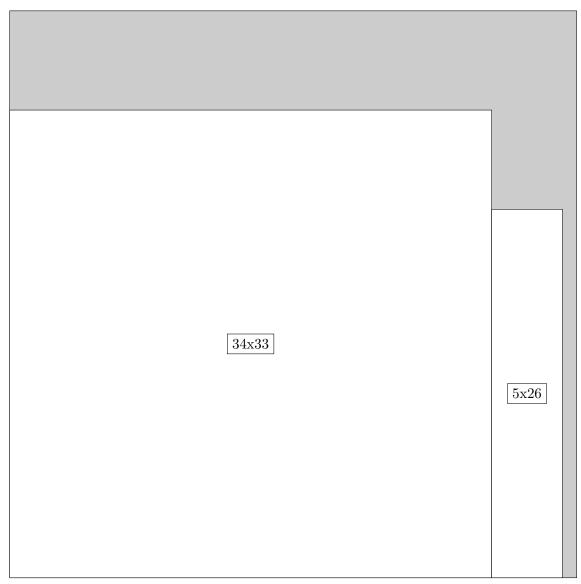
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{11}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

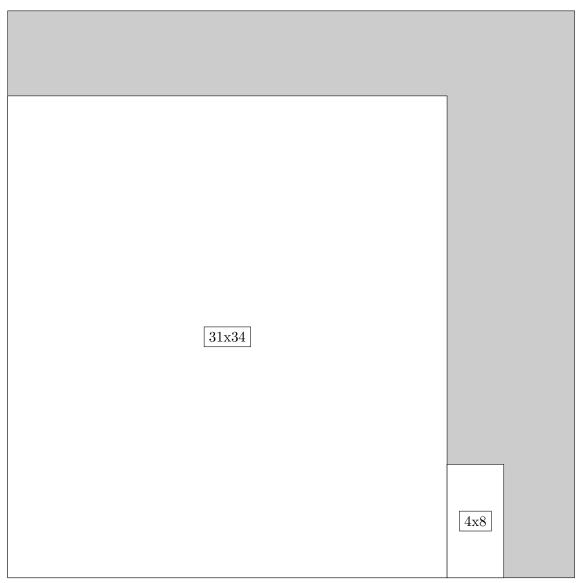
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.060 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.201 \ s} \\ \end{array}$



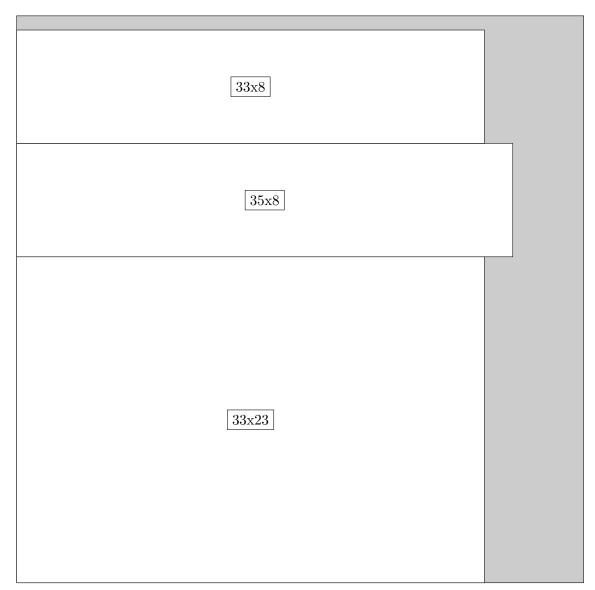
 $\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 34 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 1156 \\ w = \!\! 5 \ , \ h = \!\! 27 \ , \ x = \!\! 35 \ , \ y = \!\! 13 \ , \ v = \!\! 135 \\ w = \!\! 6 \ , \ h = \!\! 13 \ , \ x = \!\! 34 \ , \ y = \!\! 0 \ , \ v = \!\! 78 \\ w = \!\! 1 \ , \ h = \!\! 9 \ , \ x = \!\! 34 \ , \ y = \!\! 13 \ , \ v = \!\! 9 \end{array}$



 $\begin{array}{l} w = \! 34 \ , \, h = \! 33 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 1122 \\ w = \! 5 \ , \, h = \! 26 \ , \, x = \! 34 \ , \, y = \! 0 \ , \, v = \! 130 \end{array}$



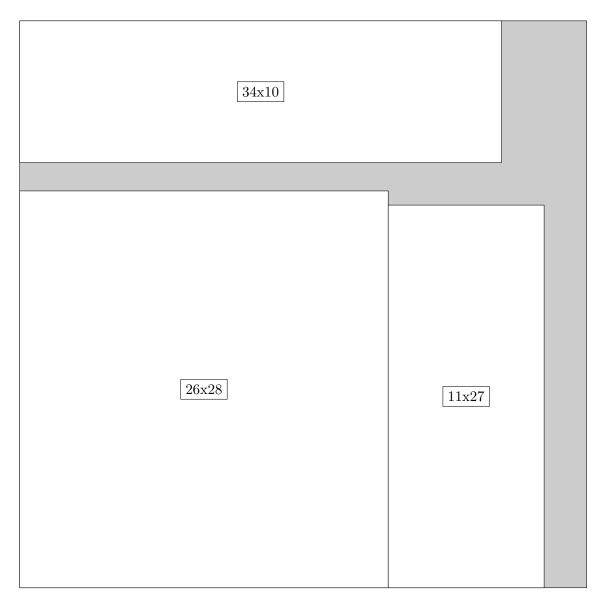
 $\begin{array}{l} w = \! 31 \ , \, h = \! 34 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 1054 \\ w = \! 4 \ , \, h = \! 8 \ , \, x = \! 31 \ , \, y = \! 0 \ , \, v = \! 32 \end{array}$



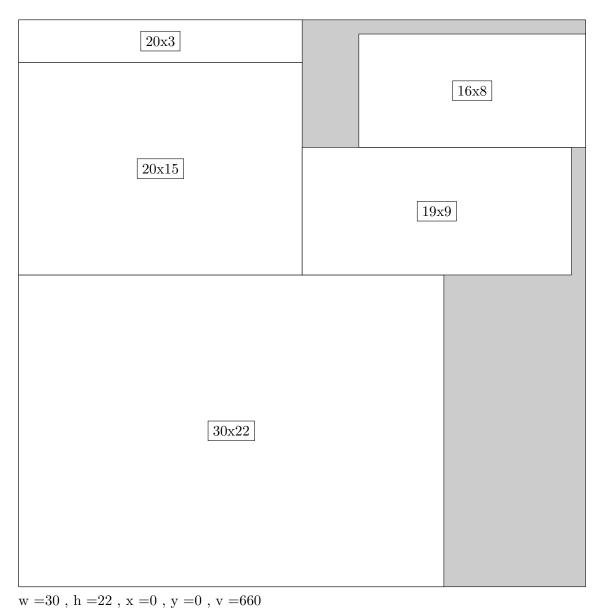
$$w = 33$$
, $h = 23$, $x = 0$, $y = 0$, $v = 759$

$$\le =35$$
 , h =8 , x =0 , y =23 , v =280

$$\le =33$$
 , h =8 , x =0 , y =31 , v =264

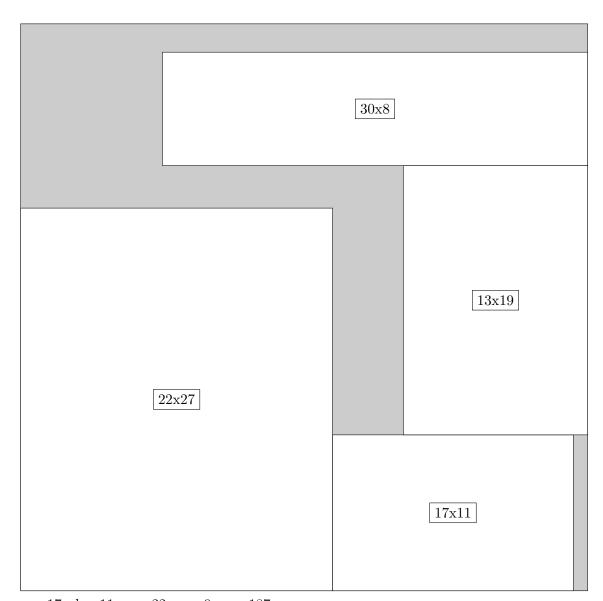


$$\begin{array}{l} w = 26 \ , \, h = 28 \ , \, x = 0 \ , \, y = 0 \ , \, v = 728 \\ w = 34 \ , \, h = 10 \ , \, x = 0 \ , \, y = 30 \ , \, v = 340 \\ w = 11 \ , \, h = 27 \ , \, x = 26 \ , \, y = 0 \ , \, v = 297 \end{array}$$



	34x18	
29x22		11x22

$$\begin{array}{l} w = 29 \ , \ h = 22 \ , \ x = 0 \ , \ y = 0 \ , \ v = 638 \\ w = 34 \ , \ h = 18 \ , \ x = 6 \ , \ y = 22 \ , \ v = 612 \\ w = 11 \ , \ h = 22 \ , \ x = 29 \ , \ y = 0 \ , \ v = 242 \end{array}$$

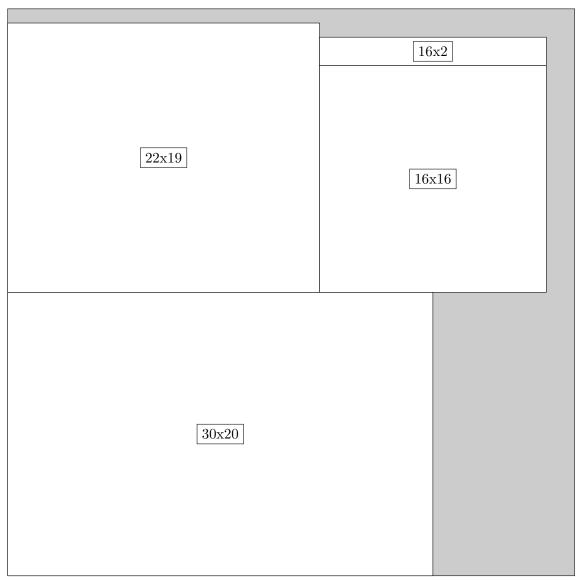


$$\begin{array}{l} w = \! 17 \; , \; h = \! 11 \; , \; x = \! 22 \; , \; y = \! 0 \; , \; v = \! 187 \\ w = \! 13 \; , \; h = \! 19 \; , \; x = \! 27 \; , \; y = \! 11 \; , \; v = \! 247 \\ w = \! 30 \; , \; h = \! 8 \; , \; x = \! 10 \; , \; y = \! 30 \; , \; v = \! 240 \end{array}$$

 \mathbf{w} =22 , h =27 , x =0 , y =0 , v =594

23x9 25x525x5 15x3025x21

$$\begin{array}{l} w = 25 \ , \ h = 21 \ , \ x = 0 \ , \ y = 0 \ , \ v = 525 \\ w = 15 \ , \ h = 30 \ , \ x = 25 \ , \ y = 0 \ , \ v = 450 \\ w = 23 \ , \ h = 9 \ , \ x = 0 \ , \ y = 31 \ , \ v = 207 \\ w = 25 \ , \ h = 5 \ , \ x = 0 \ , \ y = 21 \ , \ v = 125 \\ w = 25 \ , \ h = 5 \ , \ x = 0 \ , \ y = 26 \ , \ v = 125 \end{array}$$

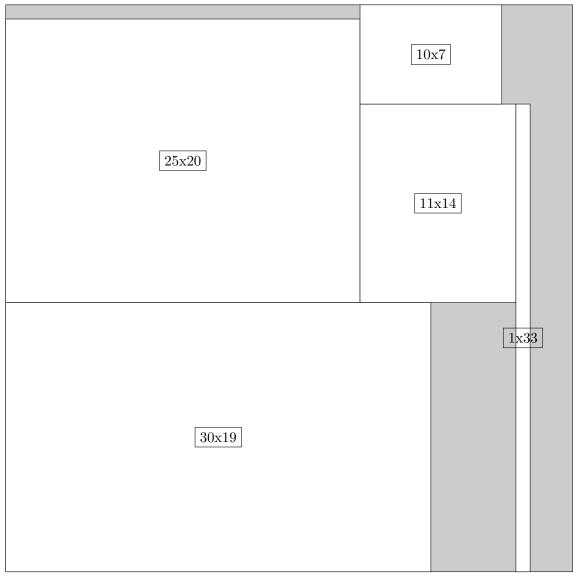


$$\le 30$$
 , ≤ 20 , ≤ 20

$$\le =16$$
 , $h=16$, $x=22$, $y=20$, $v=256$

$$\le =22$$
 , h =19 , x =0 , y =20 , v =418

$$\mathbf{w}$$
 =16 , h =2 , x =22 , y =36 , v =32



w = 30, h = 19, x = 0, y = 0, v = 570

 $\le =25$, h =20 , x =0 , y =19 , v =500

 $w=\!11$, $h=\!14$, $x=\!25$, $y=\!19$, $v=\!154$

 $\le =10$, h =7 , x =25 , y =33 , v =70

 \mathbf{w} =1 , h =33 , x =36 , y =0 , v =33