$ClassName: \ Class\_03.2bp-27$ 

 $\begin{array}{ccc} \text{BinSize: } \underline{40} & \overline{\times} & \underline{40} \\ \text{ReduceSize: } \underline{40} & \times & \underline{40} \end{array}$ 

TypeNum: <u>58</u>
Num: <u>60</u>
OutS: <u>24000</u>
InS: <u>20453</u>
Rate: <u>0.852</u>
UB: <u>15</u>
LB0: <u>15</u>

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

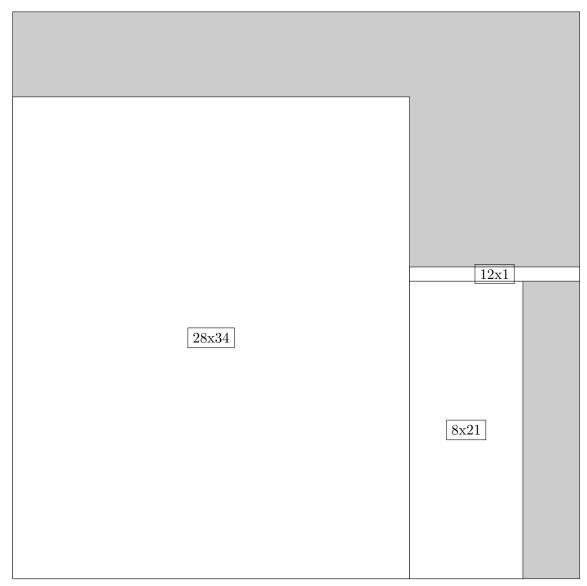
LB: **15** 

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

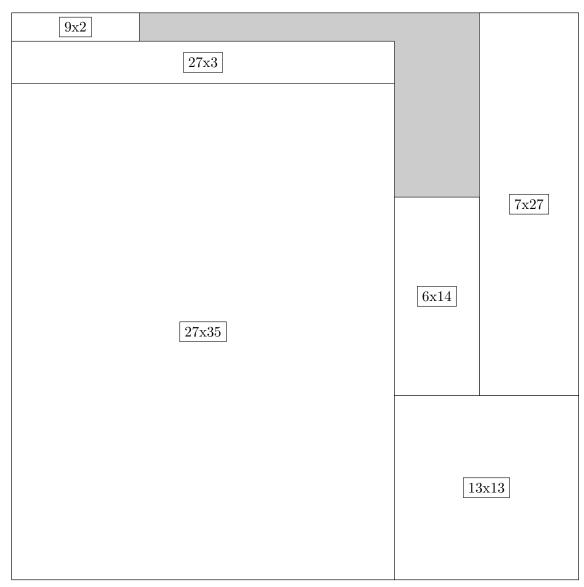
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{15}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

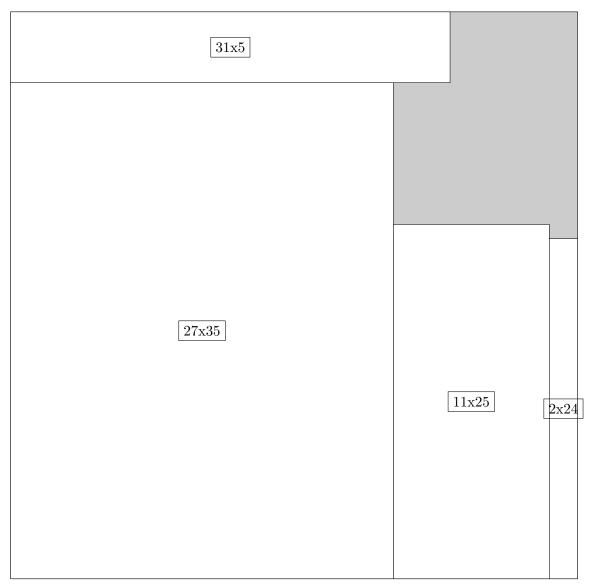
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.060 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.079 \ s} \\ {\rm TotalTime:} \ \underline{0.189 \ s} \\ \end{array}$ 



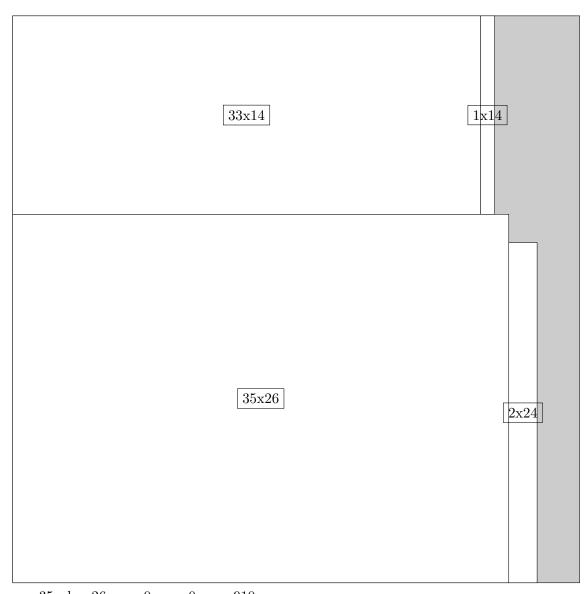
 $\begin{array}{l} w = 28 \; , \; h = 34 \; , \; x = 0 \; , \; y = 0 \; , \; v = 952 \\ w = 8 \; , \; h = 21 \; , \; x = 28 \; , \; y = 0 \; , \; v = 168 \\ w = 12 \; , \; h = 1 \; , \; x = 28 \; , \; y = 21 \; , \; v = 12 \end{array}$ 



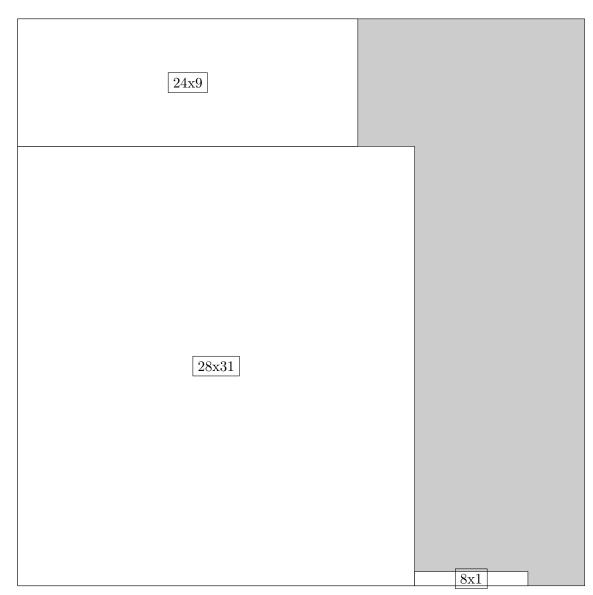
 $\begin{array}{l} w=27\;,\; h=35\;,\; x=0\;,\; y=0\;,\; v=945\\ w=7\;,\; h=27\;,\; x=33\;,\; y=13\;,\; v=189\\ w=13\;,\; h=13\;,\; x=27\;,\; y=0\;,\; v=169\\ w=6\;,\; h=14\;,\; x=27\;,\; y=13\;,\; v=84\\ w=27\;,\; h=3\;,\; x=0\;,\; y=35\;,\; v=81\\ w=9\;,\; h=2\;,\; x=0\;,\; y=38\;,\; v=18 \end{array}$ 



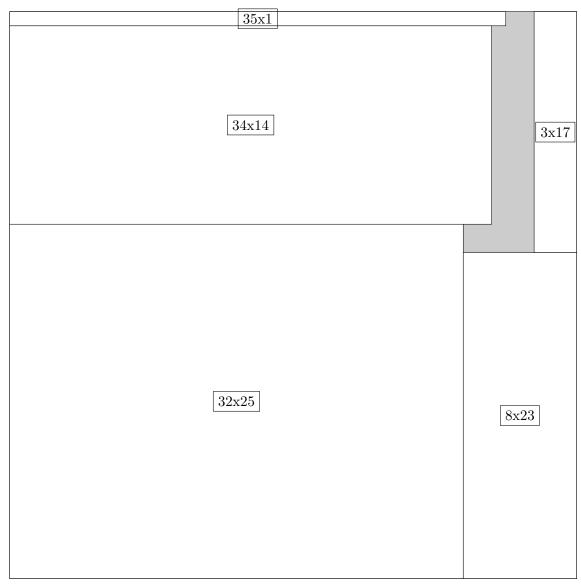
 $\begin{array}{l} w=27 \ , \ h=35 \ , \ x=0 \ , \ y=0 \ , \ v=945 \\ w=11 \ , \ h=25 \ , \ x=27 \ , \ y=0 \ , \ v=275 \\ w=31 \ , \ h=5 \ , \ x=0 \ , \ y=35 \ , \ v=155 \\ w=2 \ , \ h=24 \ , \ x=38 \ , \ y=0 \ , \ v=48 \end{array}$ 



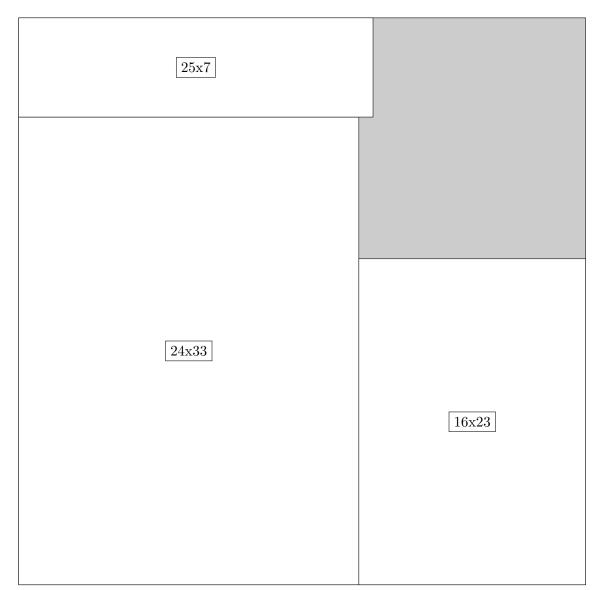
 $\begin{array}{l} w = & 35 \ , \ h = & 26 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 910 \\ w = & 33 \ , \ h = & 14 \ , \ x = & 0 \ , \ y = & 26 \ , \ v = & 462 \\ w = & 2 \ , \ h = & 24 \ , \ x = & 35 \ , \ y = & 0 \ , \ v = & 48 \\ w = & 1 \ , \ h = & 14 \ , \ x = & 33 \ , \ y = & 26 \ , \ v = & 14 \end{array}$ 



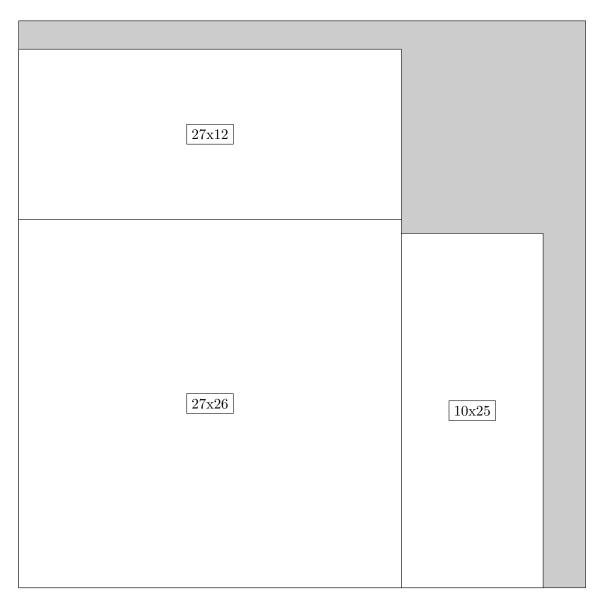
$$\begin{array}{l} w = 28 \ , \ h = 31 \ , \ x = 0 \ , \ y = 0 \ , \ v = 868 \\ w = 24 \ , \ h = 9 \ , \ x = 0 \ , \ y = 31 \ , \ v = 216 \\ w = 8 \ , \ h = 1 \ , \ x = 28 \ , \ y = 0 \ , \ v = 8 \end{array}$$



$$\begin{array}{l} w = & 32 \;,\; h = & 25 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 800 \\ w = & 8 \;,\; h = & 23 \;,\; x = & 32 \;,\; y = & 0 \;,\; v = & 184 \\ w = & 34 \;,\; h = & 14 \;,\; x = & 0 \;,\; y = & 25 \;,\; v = & 476 \\ w = & 3 \;,\; h = & 17 \;,\; x = & 37 \;,\; y = & 23 \;,\; v = & 51 \\ w = & 35 \;,\; h = & 1 \;,\; x = & 0 \;,\; y = & 39 \;,\; v = & 35 \end{array}$$

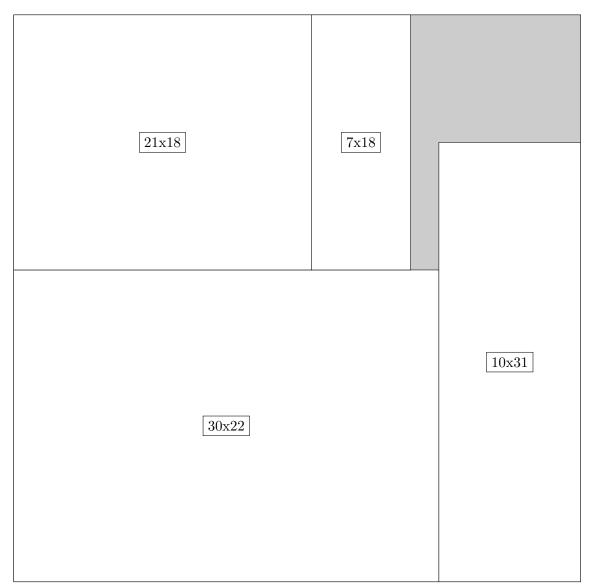


$$\begin{array}{l} w = 24 \; , \; h = 33 \; , \; x = 0 \; , \; y = 0 \; , \; v = 792 \\ w = 16 \; , \; h = 23 \; , \; x = 24 \; , \; y = 0 \; , \; v = 368 \\ w = 25 \; , \; h = 7 \; , \; x = 0 \; , \; y = 33 \; , \; v = 175 \end{array}$$

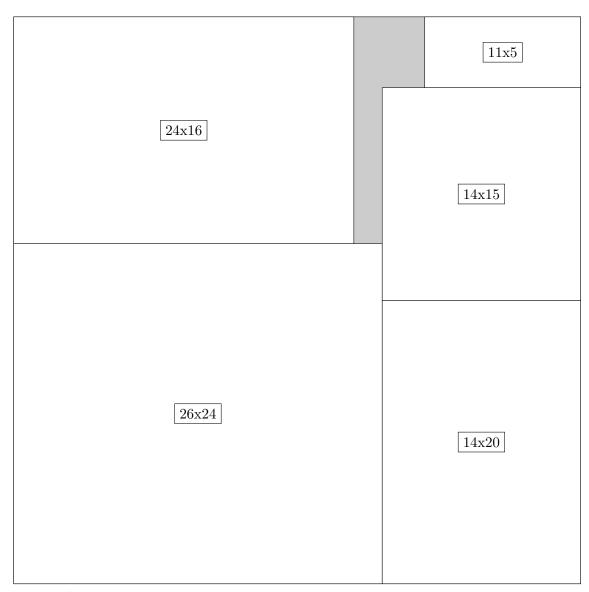


$$\begin{array}{l} w = \! 27 \ , \ h = \! 26 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 702 \\ w = \! 27 \ , \ h = \! 12 \ , \ x = \! 0 \ , \ y = \! 26 \ , \ v = \! 324 \end{array}$$

$$\le =10$$
 , h =25 , x =27 , y =0 , v =250



 $\begin{array}{l} w = & 30 \ , \ h = & 22 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 660 \\ w = & 21 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 22 \ , \ v = & 378 \\ w = & 10 \ , \ h = & 31 \ , \ x = & 30 \ , \ y = & 0 \ , \ v = & 310 \\ w = & 7 \ , \ h = & 18 \ , \ x = & 21 \ , \ y = & 22 \ , \ v = & 126 \end{array}$ 



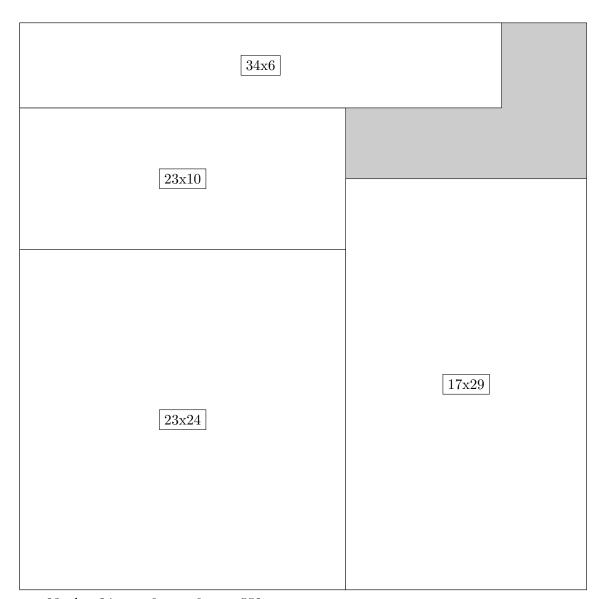
$$\le =26$$
 , h =24 , x =0 , y =0 , v =624

$$\le =11$$
 ,  $h$  =5 ,  $x$  =29 ,  $y$  =35 ,  $v$  =55

$$\le =24$$
 ,  $h$  =16 ,  $x$  =0 ,  $y$  =24 ,  $v$  =384

$$\le =14$$
 ,  $h$  =20 ,  $x$  =26 ,  $y$  =0 ,  $v$  =280

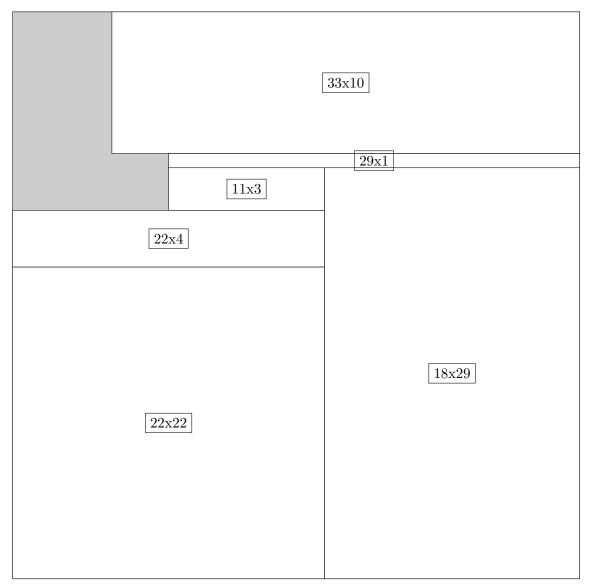
$$\le =14$$
 ,  $h$  =15 ,  $x$  =26 ,  $y$  =20 ,  $v$  =210



$$\begin{array}{l} w = 23 \ , \ h = 24 \ , \ x = 0 \ , \ y = 0 \ , \ v = 552 \\ w = 17 \ , \ h = 29 \ , \ x = 23 \ , \ y = 0 \ , \ v = 493 \end{array}$$

$$\le =23$$
 , h =10 , x =0 , y =24 , v =230

$$\le 34$$
 , h =6 , x =0 , y =34 , v =204



$$\mathbf{w}$$
 =22 , h =22 , x =0 , y =0 , v =484

$$\le =33$$
 , h =10 , x =7 , y =30 , v =330

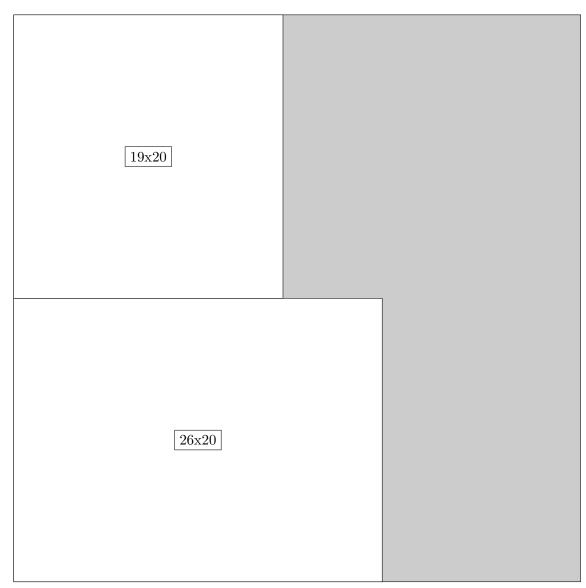
$$\le =22$$
 , h =4 , x =0 , y =22 , v =88

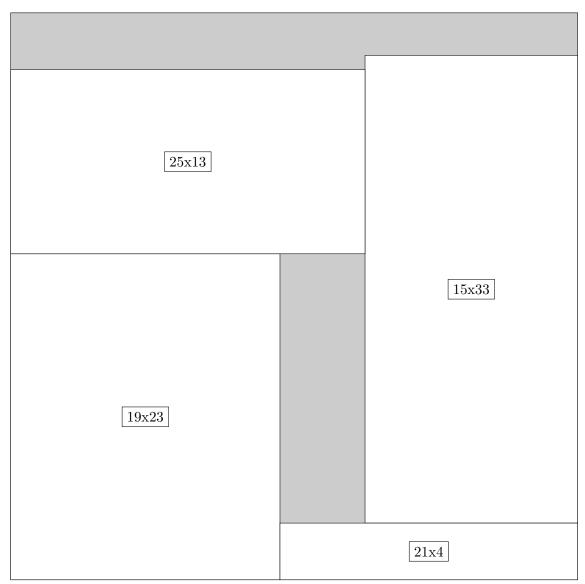
$$\le =11$$
 ,  $h$  =3 ,  $x$  =11 ,  $y$  =26 ,  $v$  =33

$$w$$
 =29 , h =1 , x =11 , y =29 , v =29

31x18	7x12
31 x 20	9x26

 $\begin{array}{l} w = & 31 \ , \ h = & 20 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 620 \\ w = & 31 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 20 \ , \ v = & 558 \\ w = & 9 \ , \ h = & 26 \ , \ x = & 31 \ , \ y = & 0 \ , \ v = & 234 \\ w = & 7 \ , \ h = & 12 \ , \ x = & 31 \ , \ y = & 26 \ , \ v = & 84 \end{array}$ 





$$\begin{array}{l} w = & 19 \ , \ h = & 23 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 437 \\ w = & 15 \ , \ h = & 33 \ , \ x = & 25 \ , \ y = & 4 \ , \ v = & 495 \\ w = & 25 \ , \ h = & 13 \ , \ x = & 0 \ , \ y = & 23 \ , \ v = & 325 \\ w = & 21 \ , \ h = & 4 \ , \ x = & 19 \ , \ y = & 0 \ , \ v = & 84 \end{array}$$