$ClassName: \ Class\_03.2bp-14$ 

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

TypeNum: <u>38</u>
Num: <u>40</u>
OutS: <u>19200</u>
InS: <u>15102</u>
Rate: <u>0.787</u>
UB: <u>12</u>
LB0: <u>12</u>

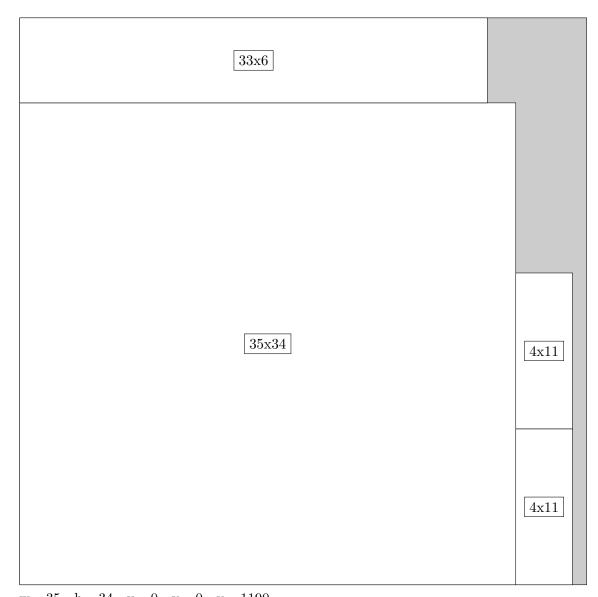
LB:  $\underline{\mathbf{12}}$ LBWithCut:  $\underline{\mathbf{12}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{12}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ 

Branch And<br/>Bound Num:  $\underline{\mathbf{1}}$ 

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

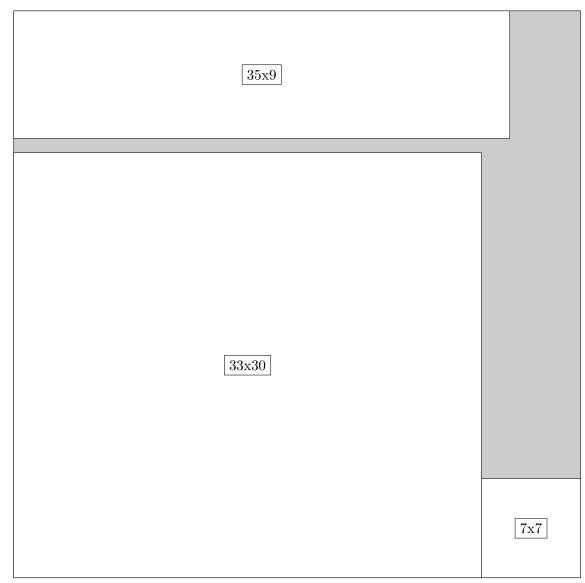
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.030 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.202 \ s} \end{array}$ 



$$\begin{array}{c} w = \! 35 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1190 \\ w = \! 33 \ , \ h = \! 6 \ , \ x = \! 0 \ , \ y = \! 34 \ , \ v = \! 198 \\ \end{array}$$

$$\le 4$$
 , h =11 , x =35 , y =0 , v =44

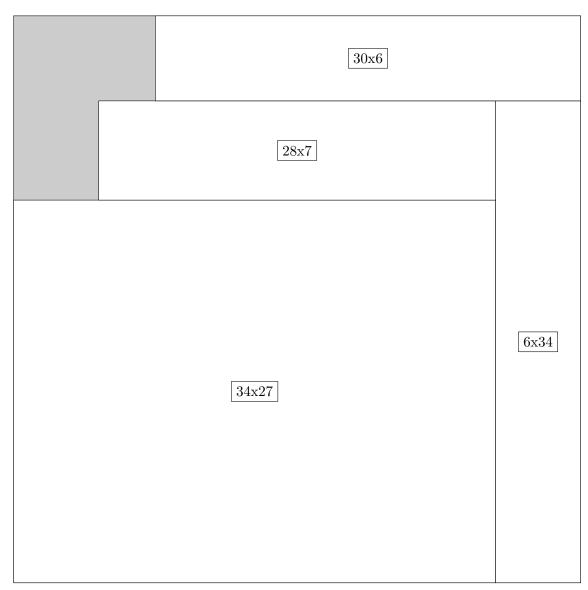
$$w = 4$$
,  $h = 11$ ,  $x = 35$ ,  $y = 11$ ,  $v = 44$ 



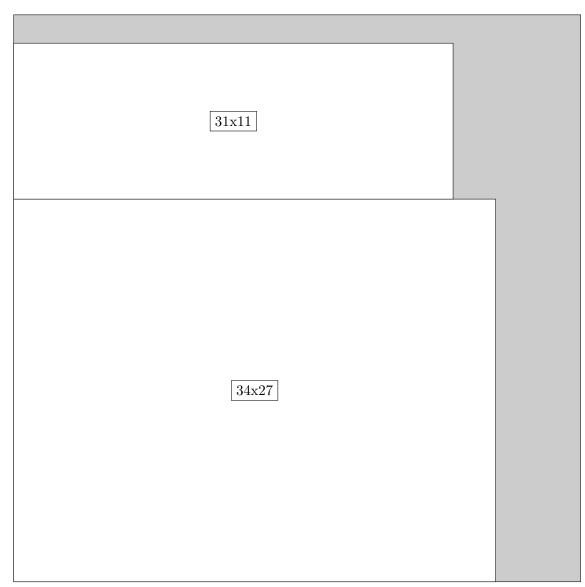
$$\begin{array}{l} w = \! 33 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 990 \\ w = \! 35 \ , \ h = \! 9 \ , \ x = \! 0 \ , \ y = \! 31 \ , \ v = \! 315 \\ w = \! 7 \ , \ h = \! 7 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 49 \end{array}$$

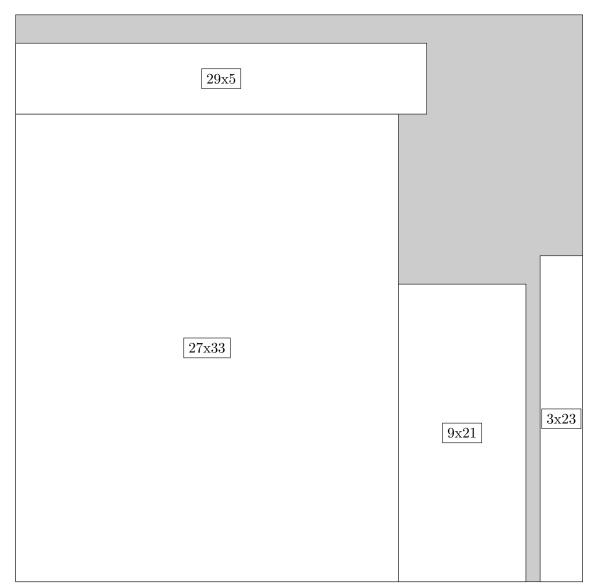
34x13	
35x27	5x27

$$\begin{array}{l} w = \! 35 \ , \ h = \! 27 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 945 \\ w = \! 34 \ , \ h = \! 13 \ , \ x = \! 6 \ , \ y = \! 27 \ , \ v = \! 442 \\ w = \! 5 \ , \ h = \! 27 \ , \ x = \! 35 \ , \ y = \! 0 \ , \ v = \! 135 \end{array}$$

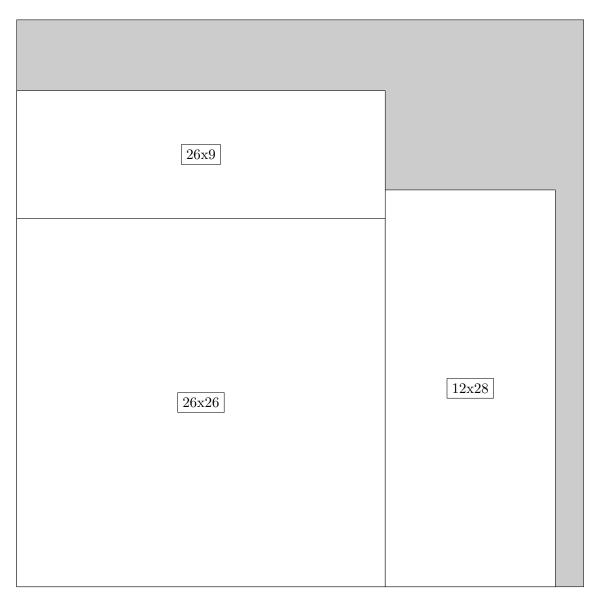


$$\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 27 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 918 \\ w = \!\! 6 \ , \ h = \!\! 34 \ , \ x = \!\! 34 \ , \ y = \!\! 0 \ , \ v = \!\! 204 \\ w = \!\! 28 \ , \ h = \!\! 7 \ , \ x = \!\! 6 \ , \ y = \!\! 27 \ , \ v = \!\! 196 \\ w = \!\! 30 \ , \ h = \!\! 6 \ , \ x = \!\! 10 \ , \ y = \!\! 34 \ , \ v = \!\! 180 \end{array}$$

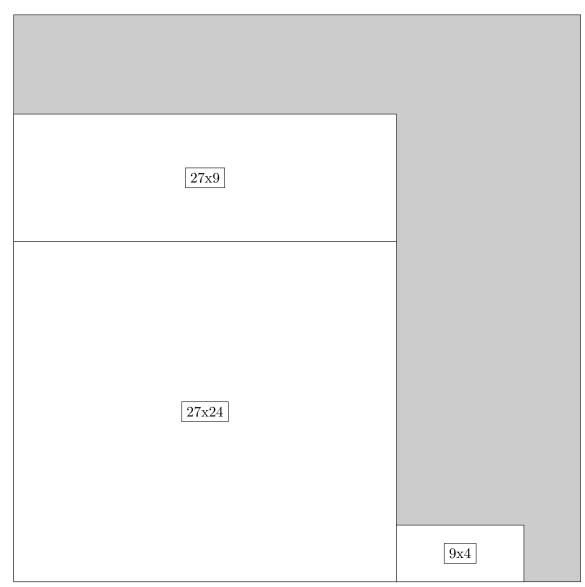




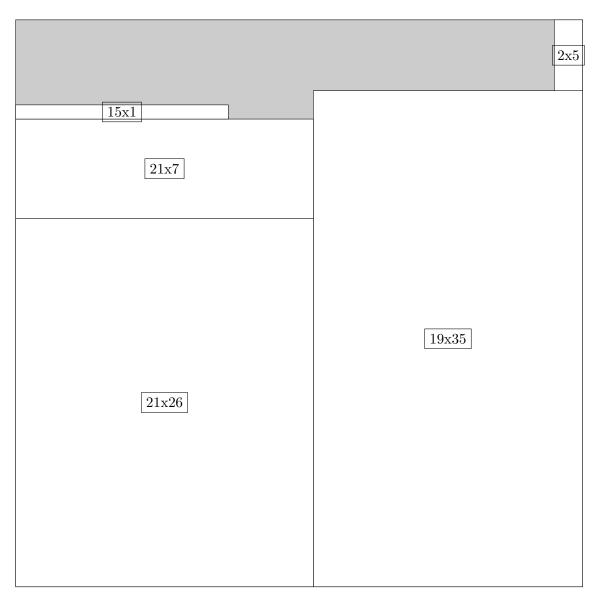
 $\begin{array}{l} w = 27 \; , \; h = 33 \; , \; x = 0 \; , \; y = 0 \; , \; v = 891 \\ w = 9 \; , \; h = 21 \; , \; x = 27 \; , \; y = 0 \; , \; v = 189 \\ w = 29 \; , \; h = 5 \; , \; x = 0 \; , \; y = 33 \; , \; v = 145 \\ w = 3 \; , \; h = 23 \; , \; x = 37 \; , \; y = 0 \; , \; v = 69 \end{array}$ 



$$\begin{array}{l} w = 26 \ , \ h = 26 \ , \ x = 0 \ , \ y = 0 \ , \ v = 676 \\ w = 12 \ , \ h = 28 \ , \ x = 26 \ , \ y = 0 \ , \ v = 336 \\ w = 26 \ , \ h = 9 \ , \ x = 0 \ , \ y = 26 \ , \ v = 234 \end{array}$$



$$\begin{array}{l} w = \!\!27 \ , \ h = \!\!24 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!648 \\ w = \!\!27 \ , \ h = \!\!9 \ , \ x = \!\!0 \ , \ y = \!\!24 \ , \ v = \!\!243 \\ w = \!\!9 \ , \ h = \!\!4 \ , \ x = \!\!27 \ , \ y = \!\!0 \ , \ v = \!\!36 \end{array}$$

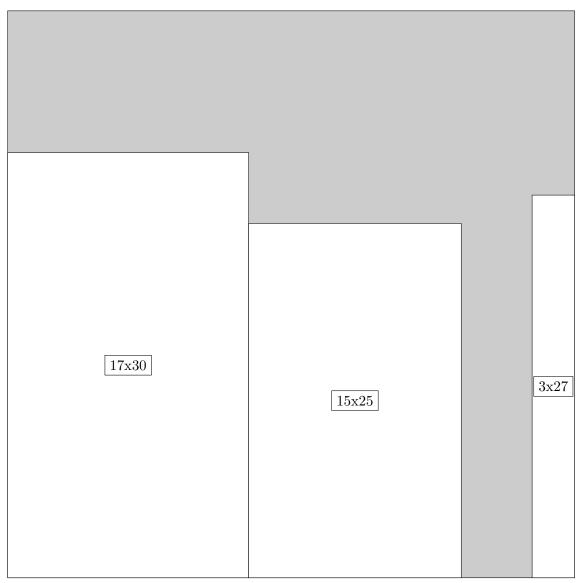


$$w$$
 =19 ,  $h$  =35 ,  $x$  =21 ,  $y$  =0 ,  $v$  =665

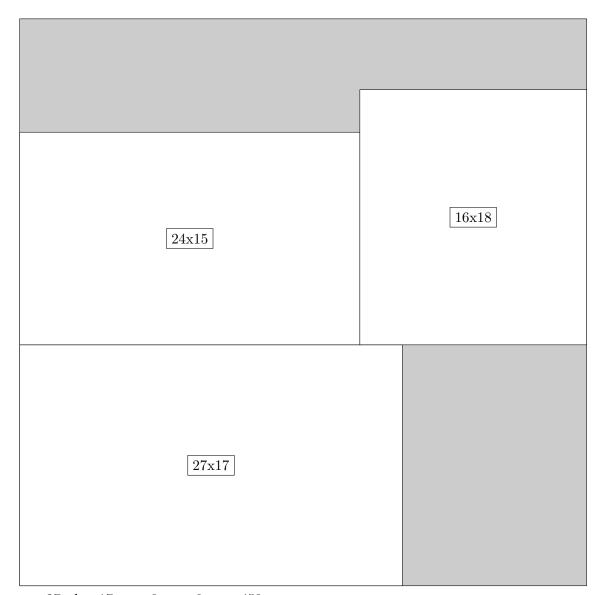
$$\begin{array}{c} w = 21 \ , \ h = 26 \ , \ x = 0 \ , \ y = 0 \ , \ v = 546 \\ w = 21 \ , \ h = 7 \ , \ x = 0 \ , \ y = 26 \ , \ v = 147 \end{array}$$

$$\le =15$$
 ,  $h=1$  ,  $x=0$  ,  $y=33$  ,  $v=15$ 

$$w=2$$
 ,  $h=5$  ,  $x=\!38$  ,  $y=\!35$  ,  $v=\!10$ 



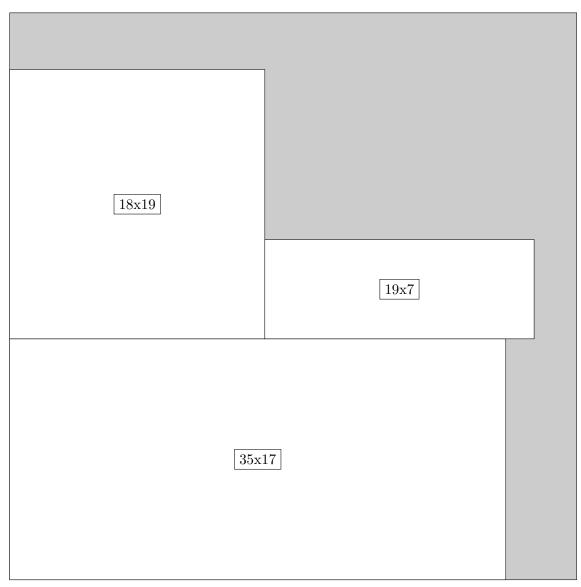
 $\begin{array}{l} w = \! 17 \; , \; h = \! 30 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 510 \\ w = \! 15 \; , \; h = \! 25 \; , \; x = \! 17 \; , \; y = \! 0 \; , \; v = \! 375 \\ w = \! 3 \; , \; h = \! 27 \; , \; x = \! 37 \; , \; y = \! 0 \; , \; v = \! 81 \end{array}$ 



$$\le =27$$
 , h =17 , x =0 , y =0 , v =459

$$\le =24$$
 , h =15 , x =0 , y =17 , v =360

$$\le =16$$
 ,  $h=18$  ,  $x=24$  ,  $y=17$  ,  $v=288$ 



$$\begin{array}{l} w = \! 35 \ , \ h = \! 17 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 595 \\ w = \! 18 \ , \ h = \! 19 \ , \ x = \! 0 \ , \ y = \! 17 \ , \ v = \! 342 \\ w = \! 19 \ , \ h = \! 7 \ , \ x = \! 18 \ , \ y = \! 17 \ , \ v = \! 133 \end{array}$$