${\bf ClassName:}~{\bf Class_03.2bp\text{-}29}$

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>28800</u> InS: <u>23294</u> Rate: <u>0.809</u> UB: <u>18</u> LB0: <u>18</u> LB: <u>18</u>

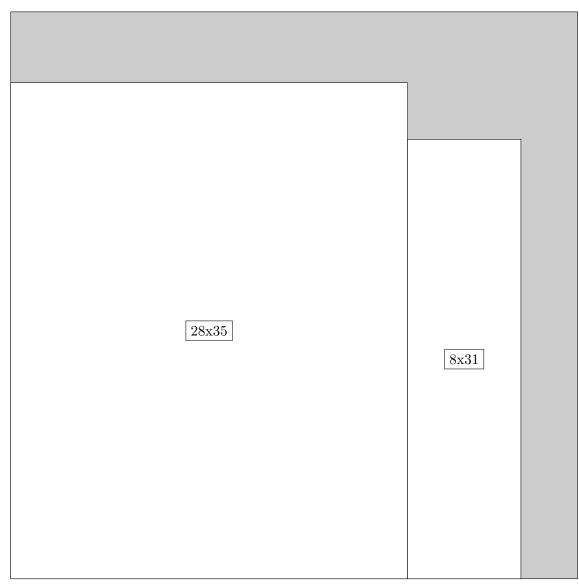
LBWithCut: $\underline{\mathbf{18}}$ NodeCut: $\underline{\mathbf{0}}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{18}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.060 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.185 \ s} \\ \end{array}$

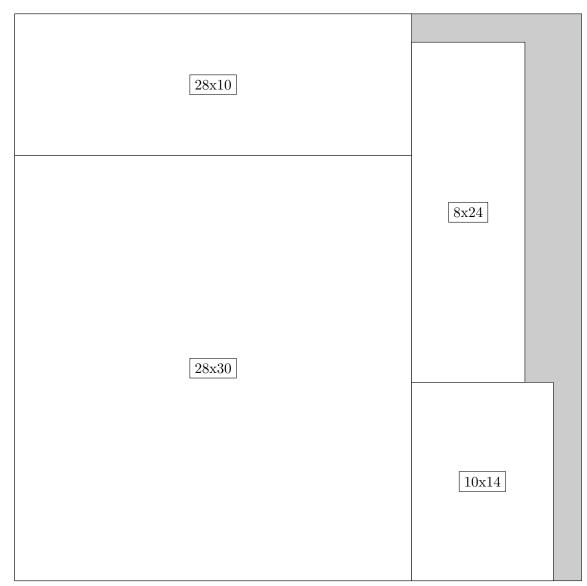


 $\begin{array}{l} w = 28 \ , \ h = \!\! 35 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 980 \\ w = \!\! 8 \ , \ h = \!\! 31 \ , \ x = \!\! 28 \ , \ y = \!\! 0 \ , \ v = \!\! 248 \end{array}$

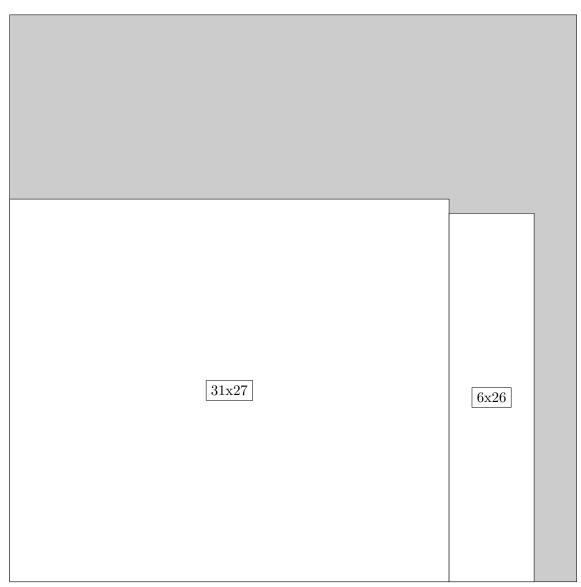
34x4	
34x8	
34x28	6x34

6x10		
	34x3	
	34x27	6x32

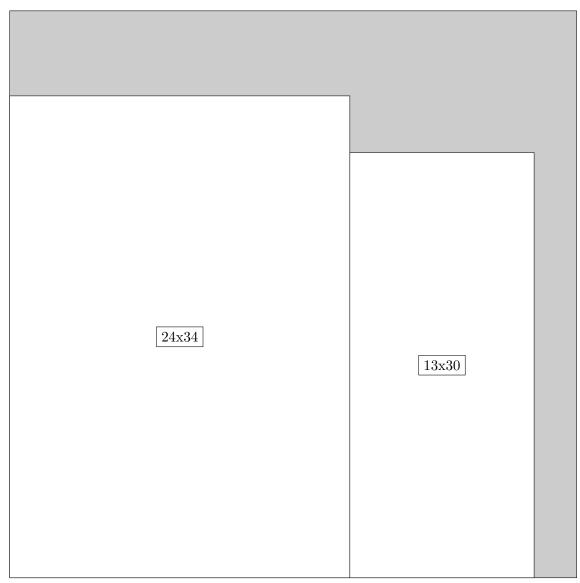
$$\begin{array}{l} w = & 34 \ , \ h = & 27 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 918 \\ w = & 6 \ , \ h = & 32 \ , \ x = & 34 \ , \ y = & 0 \ , \ v = & 192 \\ w = & 34 \ , \ h = & 3 \ , \ x = & 0 \ , \ y = & 27 \ , \ v = & 102 \\ w = & 6 \ , \ h = & 10 \ , \ x = & 0 \ , \ y = & 30 \ , \ v = & 60 \end{array}$$

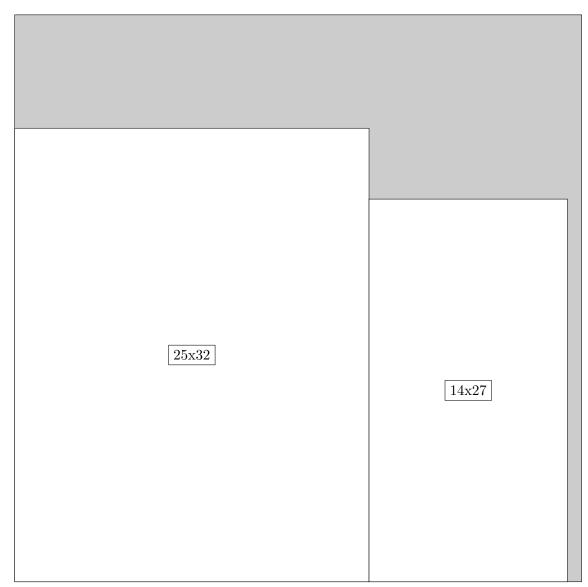


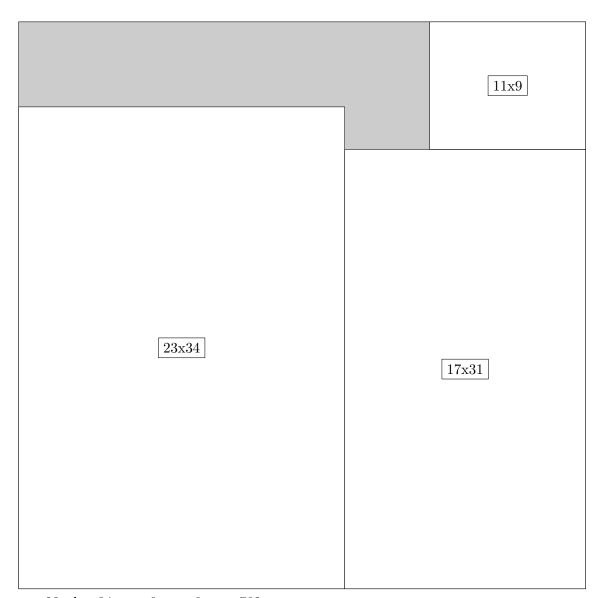
$$\begin{array}{l} w=28 \ , \ h=30 \ , \ x=0 \ , \ y=0 \ , \ v=840 \\ w=28 \ , \ h=10 \ , \ x=0 \ , \ y=30 \ , \ v=280 \\ w=8 \ , \ h=24 \ , \ x=28 \ , \ y=14 \ , \ v=192 \\ w=10 \ , \ h=14 \ , \ x=28 \ , \ y=0 \ , \ v=140 \end{array}$$



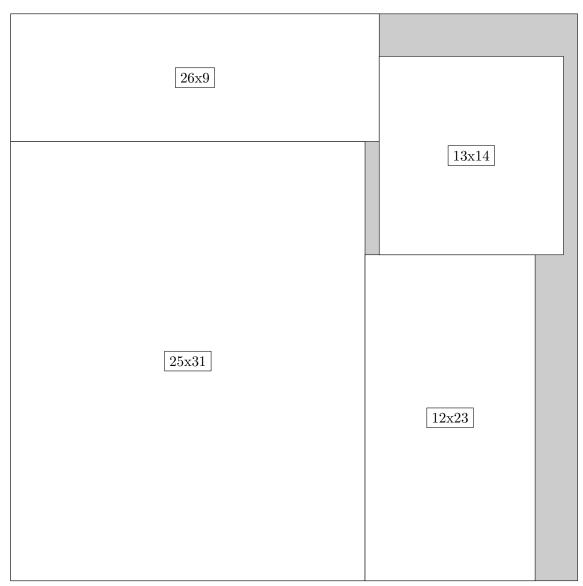
 $\begin{array}{l} w = & 31 \ , \ h = & 27 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 837 \\ w = & 6 \ , \ h = & 26 \ , \ x = & 31 \ , \ y = & 0 \ , \ v = & 156 \end{array}$







$$\begin{array}{l} w = 23 \ , \ h = 34 \ , \ x = 0 \ , \ y = 0 \ , \ v = 782 \\ w = 17 \ , \ h = 31 \ , \ x = 23 \ , \ y = 0 \ , \ v = 527 \\ w = 11 \ , \ h = 9 \ , \ x = 29 \ , \ y = 31 \ , \ v = 99 \end{array}$$



$$\le =25$$
 , h =31 , x =0 , y =0 , v =775

$$\le =12$$
 , h =23 , x =25 , y =0 , v =276

$$\mathbf{w}$$
 =26 , h =9 , x =0 , y =31 , v =234

$$\mathbf{w}$$
 =13 , h =14 , x =26 , y =23 , v =182

5x4	6x4	17x4
26x11		$\fbox{14x15}$
26x25		14x21

$$w = 26$$
, $h = 25$, $x = 0$, $y = 0$, $v = 650$

$$w$$
 =14 , h =21 , x =26 , y =0 , v =294

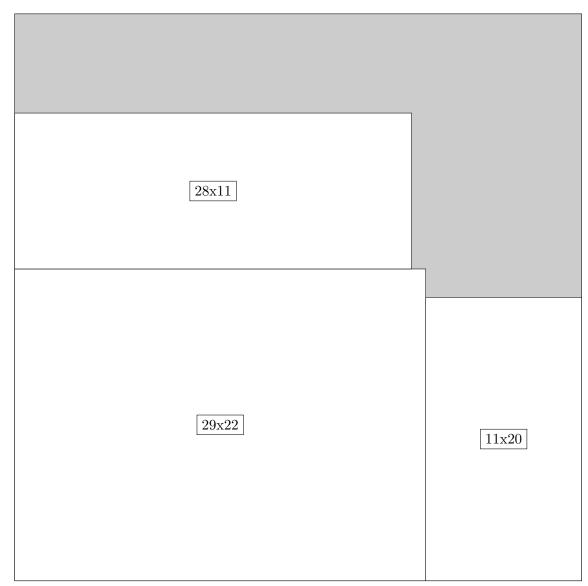
$$\mathbf{w}$$
 =26 , h =11 , x =0 , y =25 , v =286

$$\mathbf{w}$$
 =14 , h =15 , x =26 , y =21 , v =210

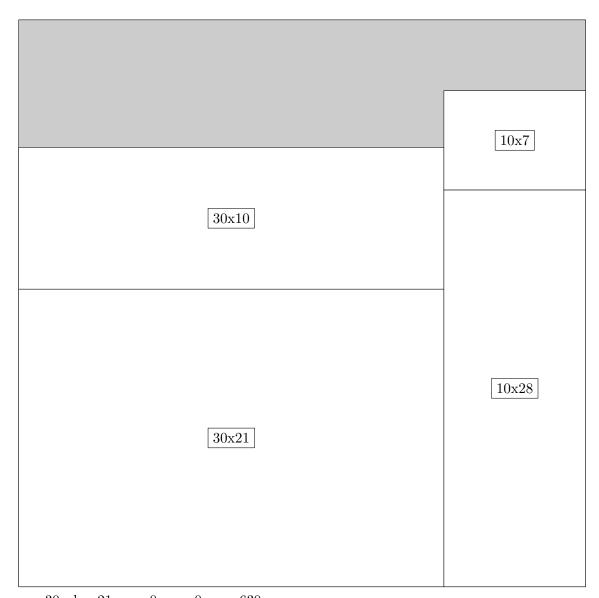
$$\le =17$$
 , h =4 , x =23 , y =36 , v =68

$$w = 6$$
, $h = 4$, $x = 17$, $y = 36$, $v = 24$

$$w=\!5$$
 , $h=\!4$, $x=\!12$, $y=\!36$, $v=\!20$

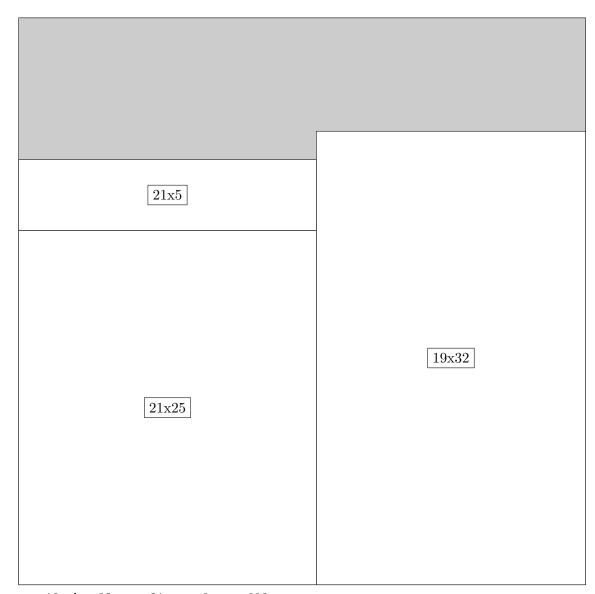


$$\begin{array}{l} w = 29 \ , \ h = 22 \ , \ x = 0 \ , \ y = 0 \ , \ v = 638 \\ w = 28 \ , \ h = 11 \ , \ x = 0 \ , \ y = 22 \ , \ v = 308 \\ w = 11 \ , \ h = 20 \ , \ x = 29 \ , \ y = 0 \ , \ v = 220 \end{array}$$

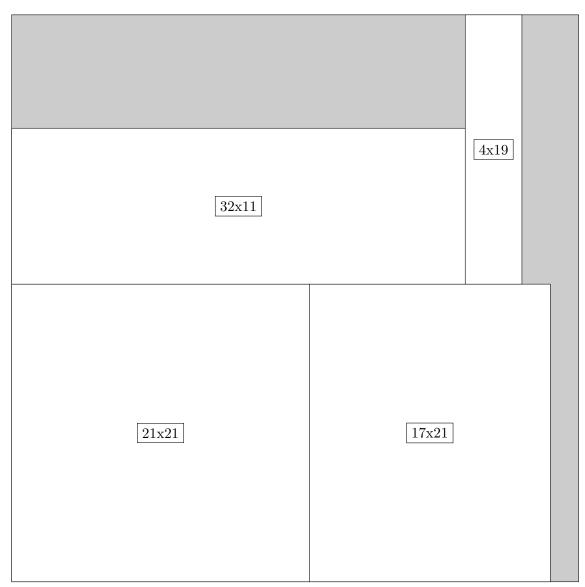


$$\begin{array}{l} w = & 30 \ , \ h = & 21 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 630 \\ w = & 30 \ , \ h = & 10 \ , \ x = & 0 \ , \ y = & 21 \ , \ v = & 300 \\ w = & 10 \ , \ h = & 28 \ , \ x = & 30 \ , \ y = & 0 \ , \ v = & 280 \end{array}$$

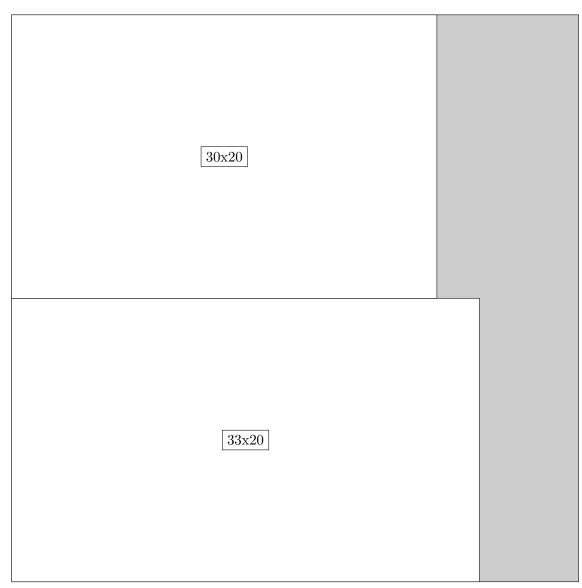
 \mathbf{w} =10 , h =7 , x =30 , y =28 , v =70



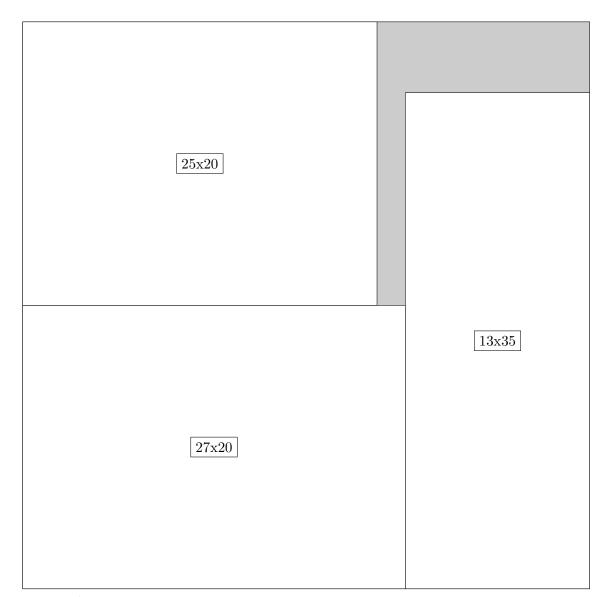
$$\begin{array}{l} w = 19 \ , \ h = 32 \ , \ x = 21 \ , \ y = 0 \ , \ v = 608 \\ w = 21 \ , \ h = 25 \ , \ x = 0 \ , \ y = 0 \ , \ v = 525 \\ w = 21 \ , \ h = 5 \ , \ x = 0 \ , \ y = 25 \ , \ v = 105 \end{array}$$



 $\begin{array}{l} w=21 \ , \ h=21 \ , \ x=0 \ , \ y=0 \ , \ v=441 \\ w=17 \ , \ h=21 \ , \ x=21 \ , \ y=0 \ , \ v=357 \\ w=32 \ , \ h=11 \ , \ x=0 \ , \ y=21 \ , \ v=352 \\ w=4 \ , \ h=19 \ , \ x=32 \ , \ y=21 \ , \ v=76 \end{array}$

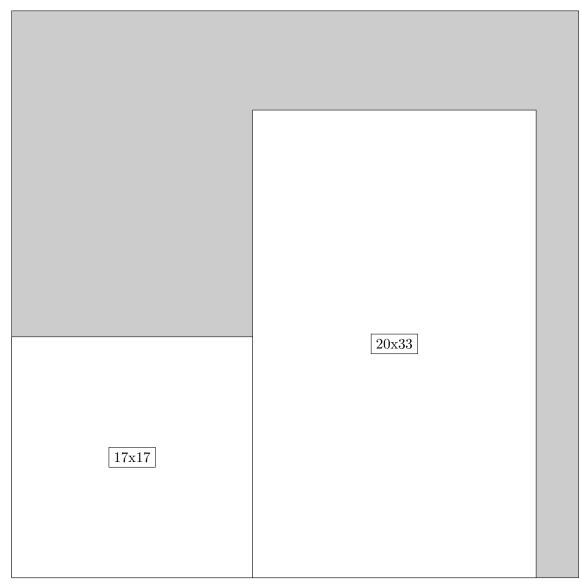


$$\overline{w = 33}$$
, $h = 20$, $x = 0$, $y = 0$, $v = 660$
 $w = 30$, $h = 20$, $x = 0$, $y = 20$, $v = 600$

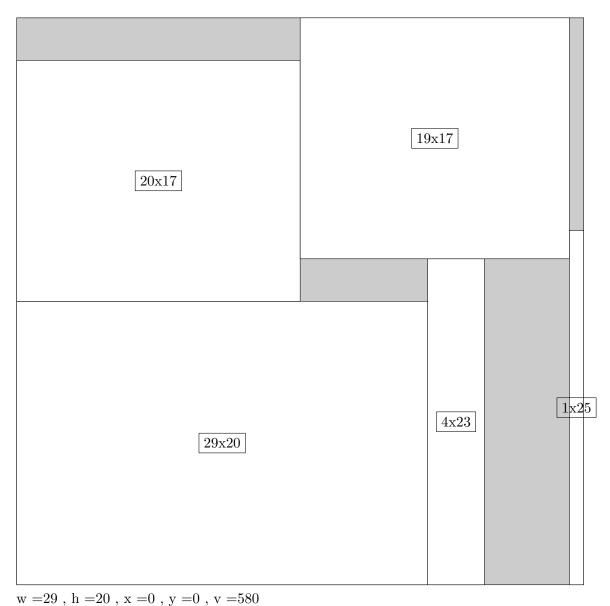


$$\begin{array}{l} w = \! 27 \ , \ h = \! 20 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 540 \\ w = \! 25 \ , \ h = \! 20 \ , \ x = \! 0 \ , \ y = \! 20 \ , \ v = \! 500 \end{array}$$

$$w = 13$$
, $h = 35$, $x = 27$, $y = 0$, $v = 455$



$$\begin{array}{l} w = \! 20 \ , \ h = \! 33 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 660 \\ w = \! 17 \ , \ h = \! 17 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 289 \end{array}$$



w = 1 , h = 25 , x = 39 , y = 0 , v = 25