${\bf ClassName:}~{\bf Class_03.2bp\text{-}20}$

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

TypeNum: <u>59</u>
Num: <u>60</u>
OutS: <u>25600</u>
InS: <u>21567</u>
Rate: <u>0.842</u>
UB: <u>16</u>
LB0: <u>16</u>
LB: <u>16</u>

LBWithCut: $\underline{\mathbf{16}}$ NodeCut: $\underline{\mathbf{0}}$

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

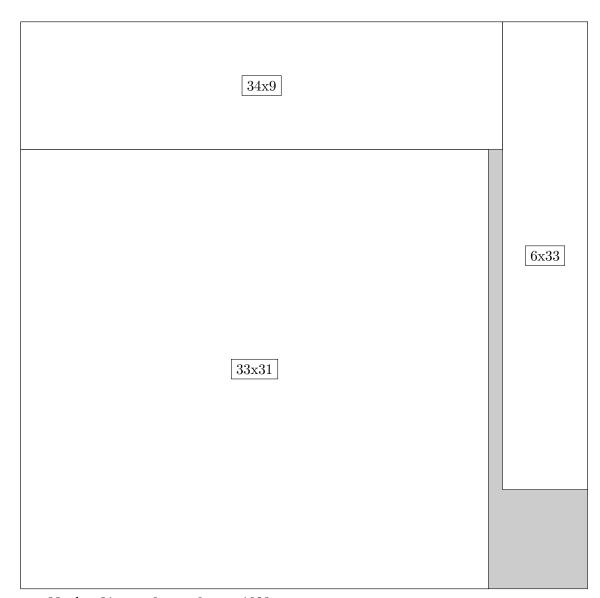
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{16}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

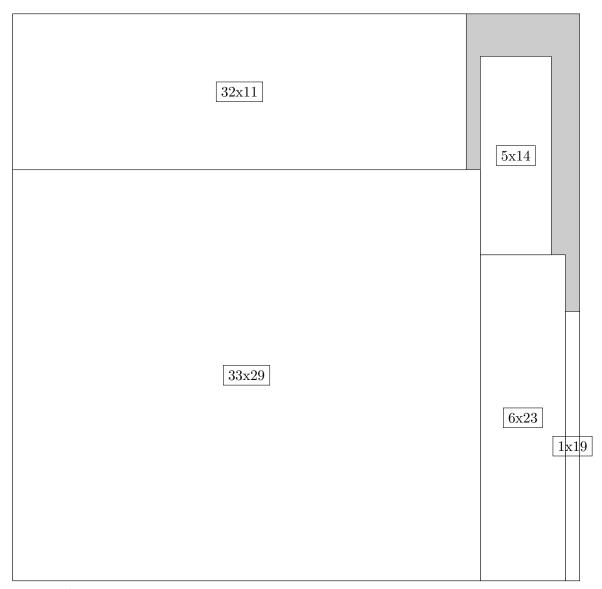
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.080 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.221 \ s} \end{array}$

4x6			
	34x34		$\fbox{6x35}$
	(3.33.2)		

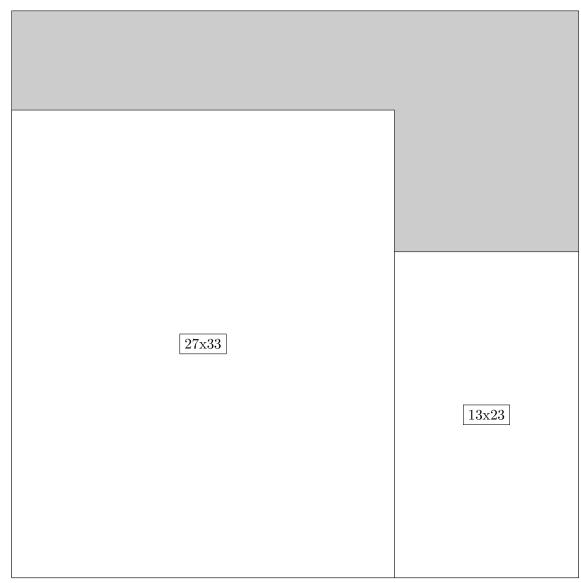
 $\begin{array}{l} w = \!\! 34 \; , \; h = \!\! 34 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 1156 \\ w = \!\! 6 \; , \; h = \!\! 35 \; , \; x = \!\! 34 \; , \; y = \!\! 0 \; , \; v = \!\! 210 \\ w = \!\! 4 \; , \; h = \!\! 6 \; , \; x = \!\! 0 \; , \; y = \!\! 34 \; , \; v = \!\! 24 \end{array}$

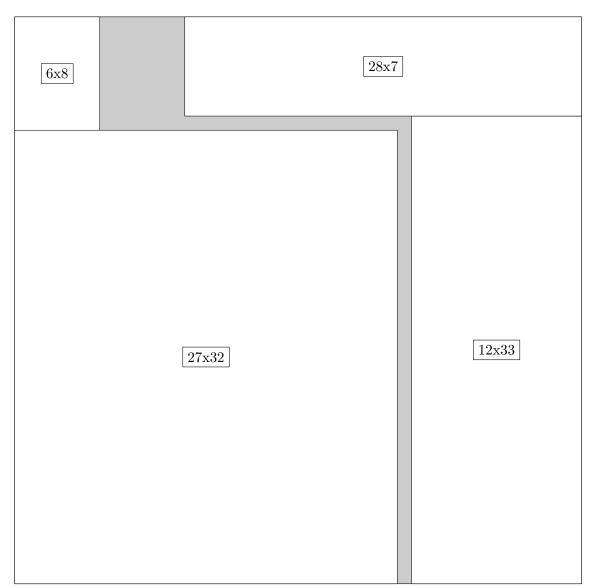


$$\begin{array}{l} w = \! 33 \; , \; h = \! 31 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 1023 \\ w = \! 34 \; , \; h = \! 9 \; , \; x = \! 0 \; , \; y = \! 31 \; , \; v = \! 306 \\ w = \! 6 \; , \; h = \! 33 \; , \; x = \! 34 \; , \; y = \! 7 \; , \; v = \! 198 \end{array}$$

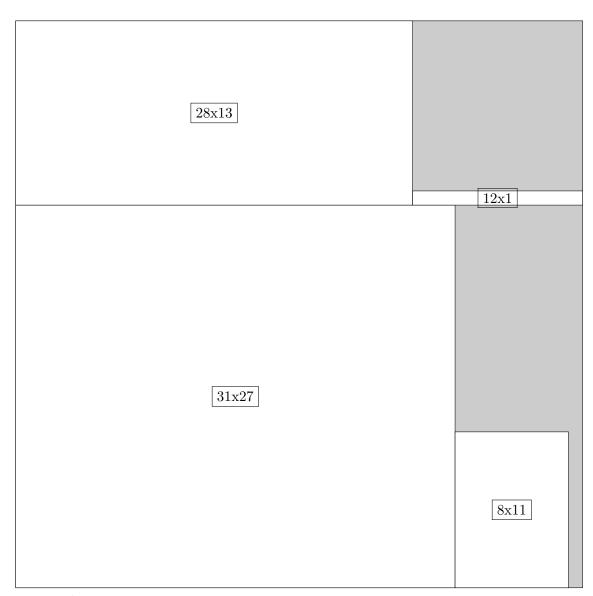


 $\begin{array}{l} w = 33 \; , \; h = 29 \; , \; x = 0 \; , \; y = 0 \; , \; v = 957 \\ w = 32 \; , \; h = 11 \; , \; x = 0 \; , \; y = 29 \; , \; v = 352 \\ w = 6 \; , \; h = 23 \; , \; x = 33 \; , \; y = 0 \; , \; v = 138 \\ w = 5 \; , \; h = 14 \; , \; x = 33 \; , \; y = 23 \; , \; v = 70 \\ w = 1 \; , \; h = 19 \; , \; x = 39 \; , \; y = 0 \; , \; v = 19 \end{array}$

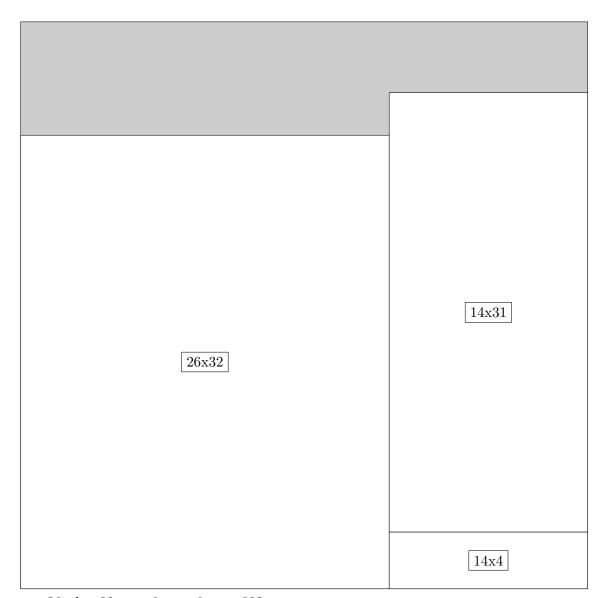




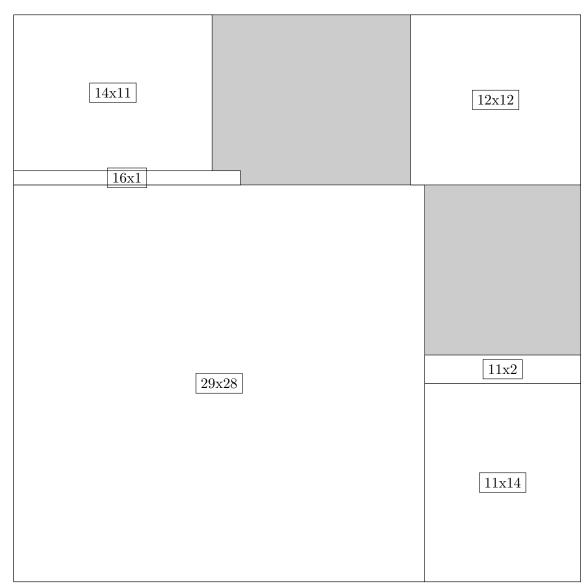
$$\begin{array}{l} w=27 \ , \ h=32 \ , \ x=0 \ , \ y=0 \ , \ v=864 \\ w=12 \ , \ h=33 \ , \ x=28 \ , \ y=0 \ , \ v=396 \\ w=28 \ , \ h=7 \ , \ x=12 \ , \ y=33 \ , \ v=196 \\ w=6 \ , \ h=8 \ , \ x=0 \ , \ y=32 \ , \ v=48 \end{array}$$



$$\begin{array}{l} w = & 31 \ , \ h = & 27 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 837 \\ w = & 28 \ , \ h = & 13 \ , \ x = & 0 \ , \ y = & 27 \ , \ v = & 364 \\ w = & 8 \ , \ h = & 11 \ , \ x = & 31 \ , \ y = & 0 \ , \ v = & 88 \\ w = & 12 \ , \ h = & 1 \ , \ x = & 28 \ , \ y = & 27 \ , \ v = & 12 \end{array}$$



$$\begin{array}{l} w = 26 \ , \ h = 32 \ , \ x = 0 \ , \ y = 0 \ , \ v = 832 \\ w = 14 \ , \ h = 31 \ , \ x = 26 \ , \ y = 4 \ , \ v = 434 \\ w = 14 \ , \ h = 4 \ , \ x = 26 \ , \ y = 0 \ , \ v = 56 \end{array}$$



$$w = 29$$
, $h = 28$, $x = 0$, $y = 0$, $v = 812$

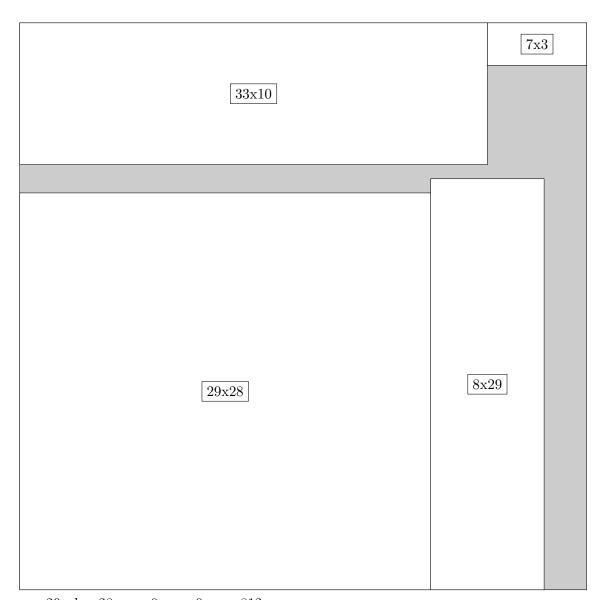
$$\mathbf{w}=\!14$$
 , $\mathbf{h}=\!11$, $\mathbf{x}=\!0$, $\mathbf{y}=\!29$, $\mathbf{v}=\!154$

$$\le =11$$
 , $h=14$, $x=29$, $y=0$, $v=154$

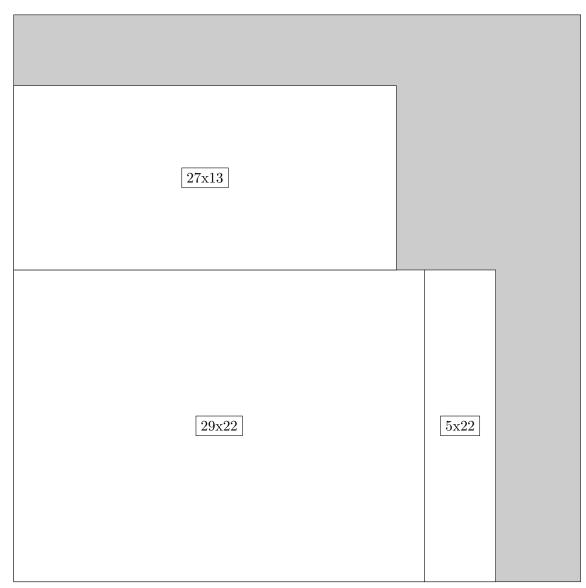
$$\mathbf{w}$$
 =12 , h =12 , x =28 , y =28 , v =144

$$\le =11$$
 , h =2 , x =29 , y =14 , v =22

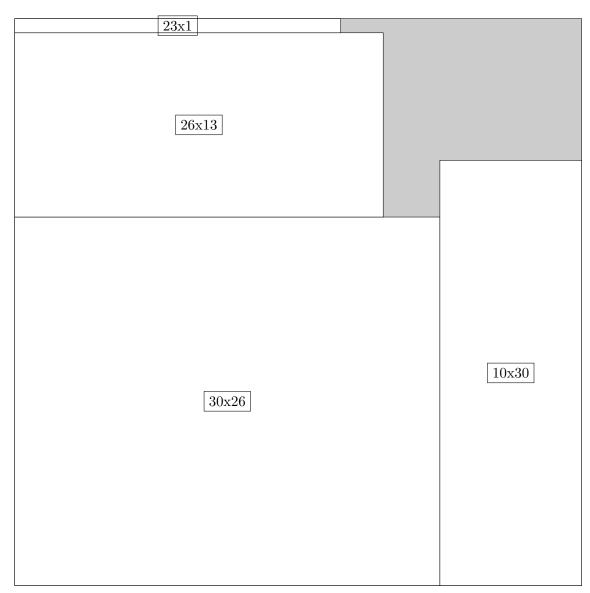
$$\le =16$$
 , $h=1$, $x=0$, $y=28$, $v=16$



$$\begin{array}{l} w=29 \ , \ h=28 \ , \ x=0 \ , \ y=0 \ , \ v=812 \\ w=33 \ , \ h=10 \ , \ x=0 \ , \ y=30 \ , \ v=330 \\ w=8 \ , \ h=29 \ , \ x=29 \ , \ y=0 \ , \ v=232 \\ w=7 \ , \ h=3 \ , \ x=33 \ , \ y=37 \ , \ v=21 \end{array}$$



$$\begin{array}{l} w = 29 \ , \, h = 22 \ , \, x = 0 \ , \, y = 0 \ , \, v = 638 \\ w = 27 \ , \, h = 13 \ , \, x = 0 \ , \, y = 22 \ , \, v = 351 \\ w = 5 \ , \, h = 22 \ , \, x = 29 \ , \, y = 0 \ , \, v = 110 \end{array}$$



$$\begin{array}{l} w = \! 30 \ , \ h = \! 26 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 780 \\ w = \! 26 \ , \ h = \! 13 \ , \ x = \! 0 \ , \ y = \! 26 \ , \ v = \! 338 \end{array}$$

$$\le =10$$
 , h =30 , x =30 , y =0 , v =300

$$\le =23$$
 , h =1 , x =0 , y =39 , v =23

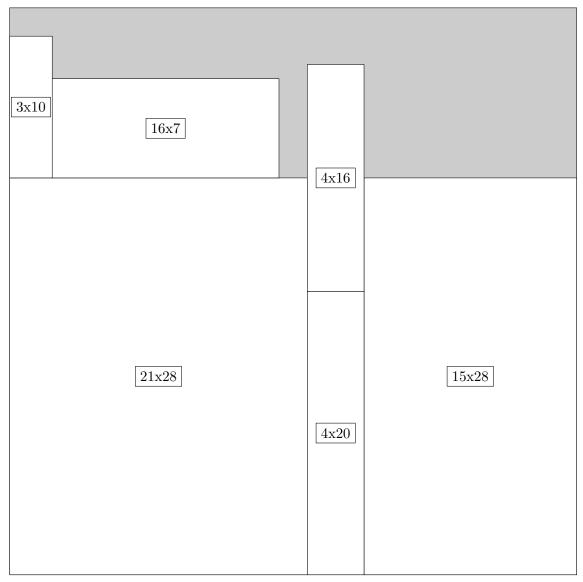
20x14	18x13		
23x26	16x26		

$$\le =23$$
 , h =26 , x =0 , y =0 , v =598

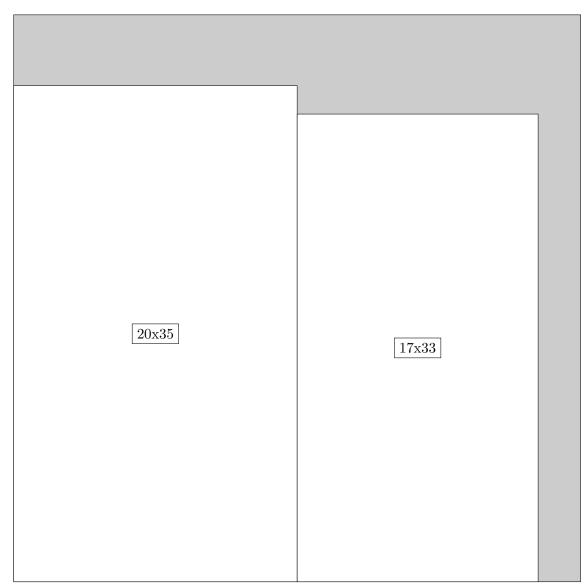
$$\le =16$$
 , $h=26$, $x=23$, $y=0$, $v=416$

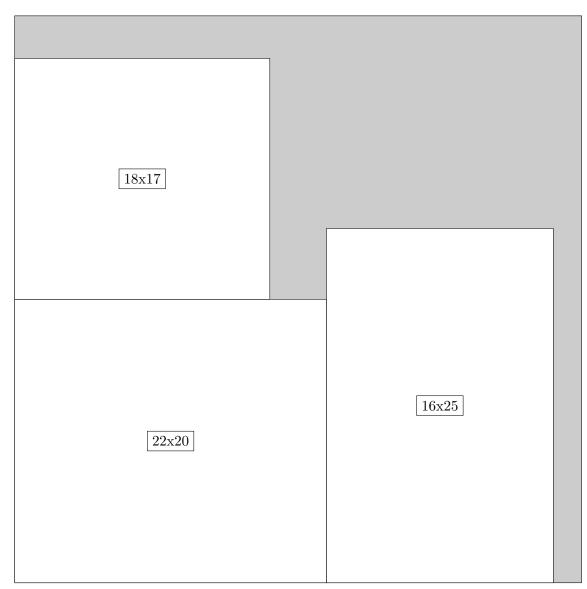
$$\le =20$$
 , h =14 , x =0 , y =26 , v =280

$$\le =18$$
 , h =13 , x =20 , y =27 , v =234

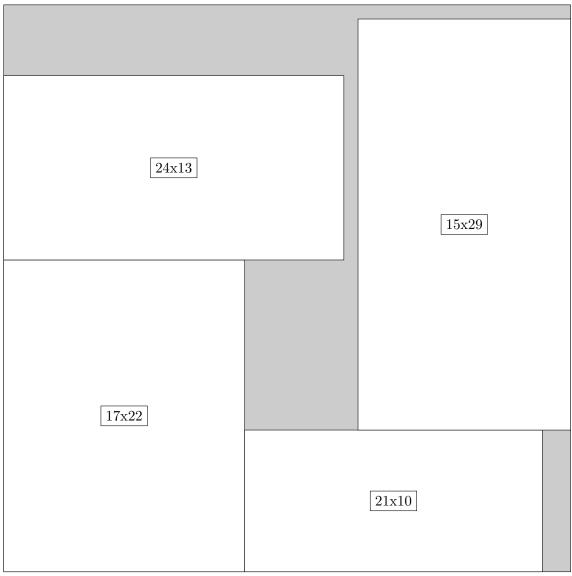


 $\begin{array}{l} w = 21 \; , \; h = 28 \; , \; x = 0 \; , \; y = 0 \; , \; v = 588 \\ w = 15 \; , \; h = 28 \; , \; x = 25 \; , \; y = 0 \; , \; v = 420 \\ w = 16 \; , \; h = 7 \; , \; x = 3 \; , \; y = 28 \; , \; v = 112 \\ w = 4 \; , \; h = 20 \; , \; x = 21 \; , \; y = 0 \; , \; v = 80 \\ w = 4 \; , \; h = 16 \; , \; x = 21 \; , \; y = 20 \; , \; v = 64 \\ w = 3 \; , \; h = 10 \; , \; x = 0 \; , \; y = 28 \; , \; v = 30 \end{array}$





$$\begin{array}{l} w = & 22 \ , \ h = & 20 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 440 \\ w = & 16 \ , \ h = & 25 \ , \ x = & 22 \ , \ y = & 0 \ , \ v = & 400 \\ w = & 18 \ , \ h = & 17 \ , \ x = & 0 \ , \ y = & 20 \ , \ v = & 306 \end{array}$$



$$\le =17$$
 , h =22 , x =0 , y =0 , v =374

$$\le =24$$
 , h =13 , x =0 , y =22 , v =312

$$\le =21$$
 , h =10 , x =17 , y =0 , v =210

$$\le =15$$
 , h =29 , x =25 , y =10 , v =435