$ClassName: {\bf Class\_03.2bp-21}$ 

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

TypeNum: <u>58</u>
Num: <u>60</u>
OutS: <u>20800</u>
InS: <u>18220</u>
Rate: <u>0.876</u>
UB: <u>13</u>
LB0: <u>13</u>
LB: **13** 

LBWithCut:  $\underline{\mathbf{13}}$  NodeCut:  $\underline{\mathbf{0}}$ 

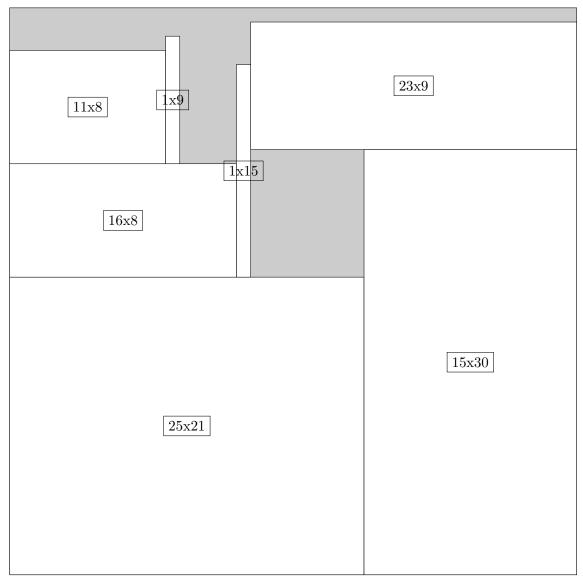
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{13}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

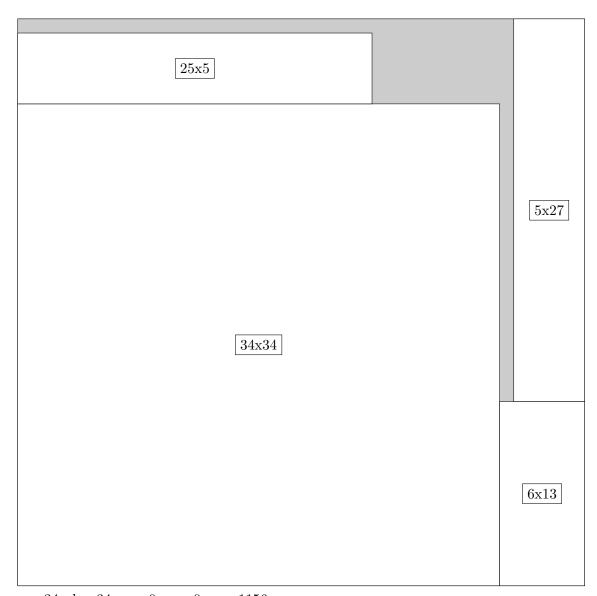
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{120.010 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 120.135 s



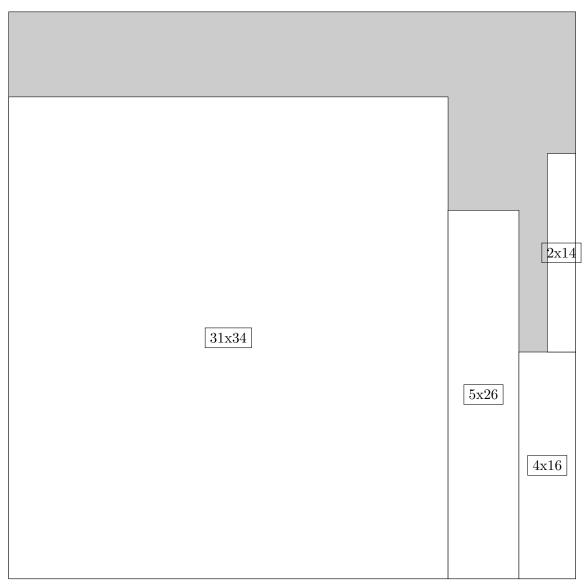
$$\begin{array}{l} w = 25 \ , \ h = 21 \ , \ x = 0 \ , \ y = 0 \ , \ v = 525 \\ w = 15 \ , \ h = 30 \ , \ x = 25 \ , \ y = 0 \ , \ v = 450 \\ w = 16 \ , \ h = 8 \ , \ x = 0 \ , \ y = 21 \ , \ v = 128 \\ w = 23 \ , \ h = 9 \ , \ x = 17 \ , \ y = 30 \ , \ v = 207 \\ w = 11 \ , \ h = 8 \ , \ x = 0 \ , \ y = 29 \ , \ v = 88 \\ w = 1 \ , \ h = 15 \ , \ x = 16 \ , \ y = 21 \ , \ v = 15 \\ w = 1 \ , \ h = 9 \ , \ x = 11 \ , \ y = 29 \ , \ v = 9 \end{array}$$



 $\begin{array}{l} w = \! 34 \ , \, h = \! 34 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 1156 \\ w = \! 25 \ , \, h = \! 5 \ , \, x = \! 0 \ , \, y = \! 34 \ , \, v = \! 125 \end{array}$ 

w = 6, h = 13, x = 34, y = 0, v = 78

 $w=\!5$  ,  $h=\!27$  ,  $x=\!35$  ,  $y=\!13$  ,  $v=\!135$ 

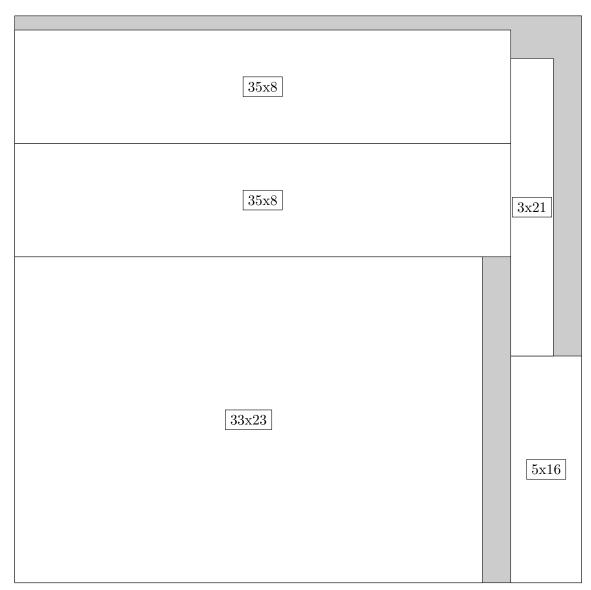


w =31 , h =34 , x =0 , y =0 , v =1054

w = 5, h = 26, x = 31, y = 0, v = 130

 $\le =4$  , h = 16 , x = 36 , y = 0 , v = 64

w=2 ,  $h=\!14$  ,  $x=\!38$  ,  $y=\!16$  ,  $v=\!28$ 



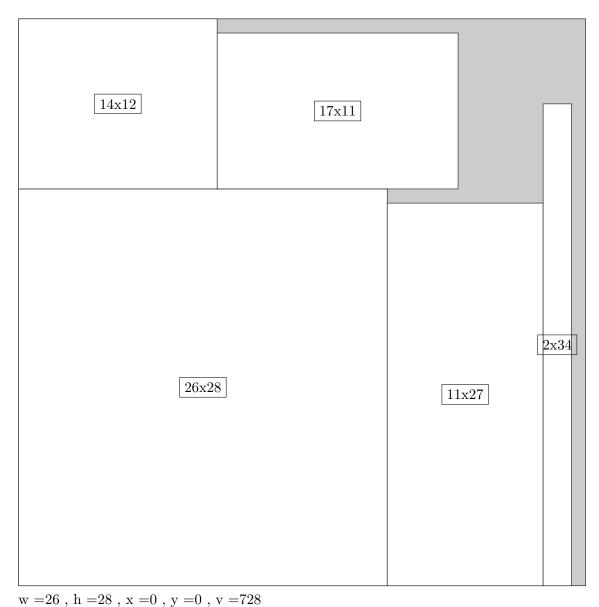
w = 33, h = 23, x = 0, y = 0, v = 759

w = 35, h = 8, x = 0, y = 23, v = 280

 $\le =35$  , h =8 , x =0 , y =31 , v =280

w =5 , h =16 , x =35 , y =0 , v =80

w = 3, h = 21, x = 35, y = 16, v = 63



 $\mathbf{w}$  =2 , h =34 , x =37 , y =0 , v =68

26x9	4x8	[10x11]	
30x8			
$30 \mathrm{x} 22$		10x27	

$$w = 30$$
,  $h = 22$ ,  $x = 0$ ,  $y = 0$ ,  $v = 660$ 

$$\le =10$$
 ,  $h$  =27 ,  $x$  =30 ,  $y$  =0 ,  $v$  =270

$$\le =30$$
 , h =8 , x =0 , y =22 , v =240

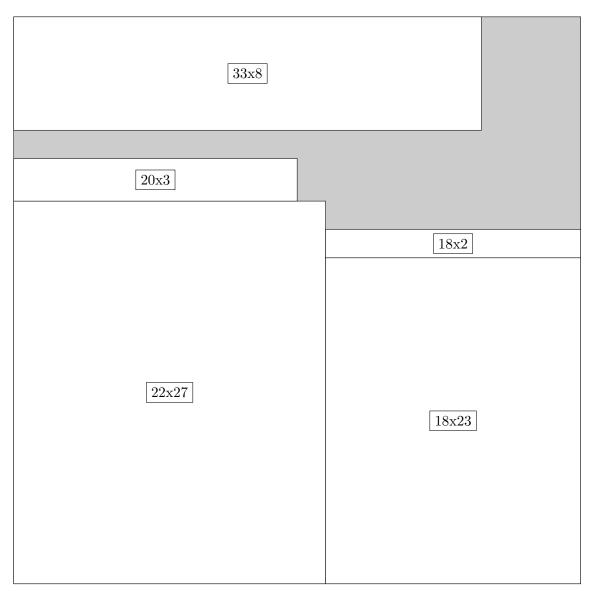
$$\le =26$$
 , h =9 , x =0 , y =30 , v =234

$$w=\!10$$
 ,  $h=\!11$  ,  $x=\!30$  ,  $y=\!27$  ,  $v=\!110$ 

$$\mathbf{w}$$
 =4 , h =8 , x =26 , y =30 , v =32

34x18	
29x22	11x22

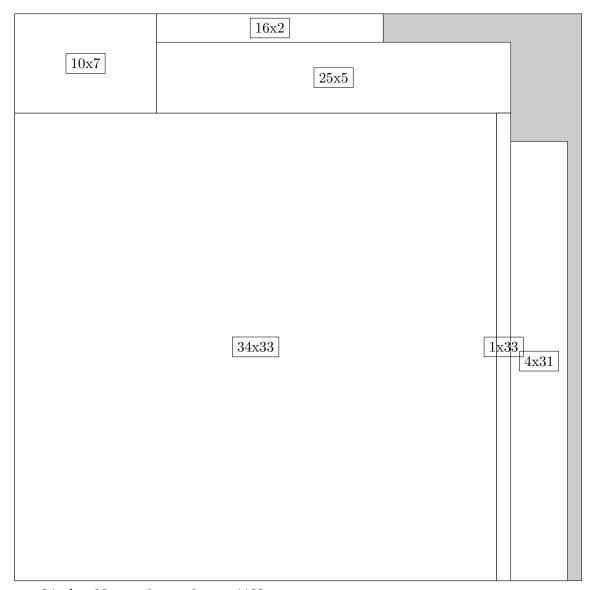
$$\begin{array}{l} w = 29 \ , \ h = 22 \ , \ x = 0 \ , \ y = 0 \ , \ v = 638 \\ w = 34 \ , \ h = 18 \ , \ x = 0 \ , \ y = 22 \ , \ v = 612 \\ w = 11 \ , \ h = 22 \ , \ x = 29 \ , \ y = 0 \ , \ v = 242 \end{array}$$



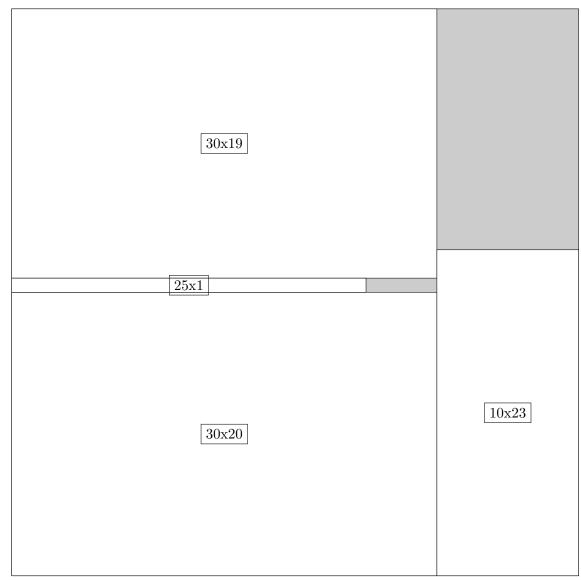
$$w = 22$$
,  $h = 27$ ,  $x = 0$ ,  $y = 0$ ,  $v = 594$ 

$$\begin{array}{l} w = \! 18 \; , \; h = \! 23 \; , \; x = \! 22 \; , \; y = \! 0 \; , \; v = \! 414 \\ w = \! 33 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 32 \; , \; v = \! 264 \\ \end{array}$$

$$w = 20$$
,  $h = 3$ ,  $x = 0$ ,  $y = 27$ ,  $v = 60$ 



 $\begin{array}{l} w = \! 34 \; , \; h = \! 33 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 1122 \\ w = \! 10 \; , \; h = \! 7 \; , \; x = \! 0 \; , \; y = \! 33 \; , \; v = \! 70 \\ w = \! 25 \; , \; h = \! 5 \; , \; x = \! 10 \; , \; y = \! 33 \; , \; v = \! 125 \\ w = \! 4 \; , \; h = \! 31 \; , \; x = \! 35 \; , \; y = \! 0 \; , \; v = \! 124 \\ w = \! 1 \; , \; h = \! 33 \; , \; x = \! 34 \; , \; y = \! 0 \; , \; v = \! 33 \\ w = \! 16 \; , \; h = \! 2 \; , \; x = \! 10 \; , \; y = \! 38 \; , \; v = \! 32 \end{array}$ 

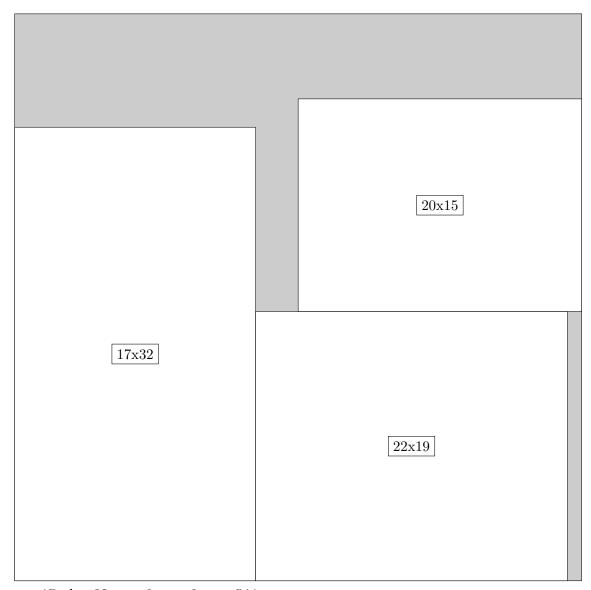


$$\le 30$$
 ,  $\le 20$  ,  $\le 20$ 

$$\le =30$$
 , h =19 , x =0 , y =21 , v =570

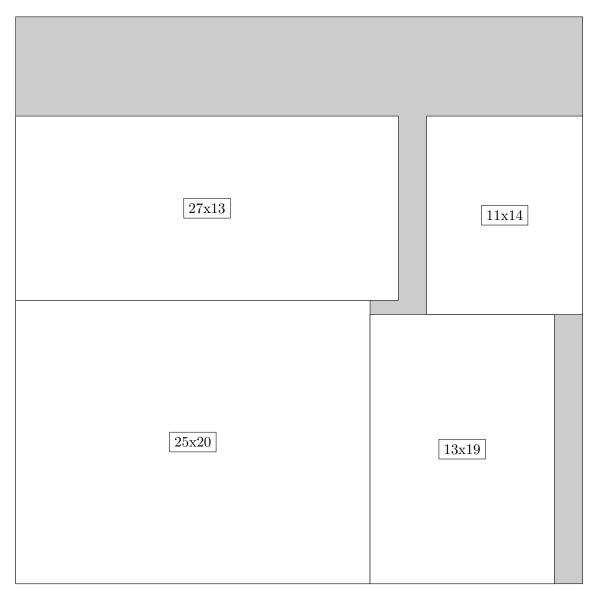
$$\le =10$$
 ,  $h$  =23 ,  $x$  =30 ,  $y$  =0 ,  $v$  =230

$$\le =25$$
 ,  $h$  =1 ,  $x$  =0 ,  $y$  =20 ,  $v$  =25



 $\begin{array}{l} w = \!\! 17 \; , \; h = \!\! 32 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 544 \\ w = \!\! 22 \; , \; h = \!\! 19 \; , \; x = \!\! 17 \; , \; y = \!\! 0 \; , \; v = \!\! 418 \end{array}$ 

 $\le =20$  , h =15 , x =20 , y =19 , v =300

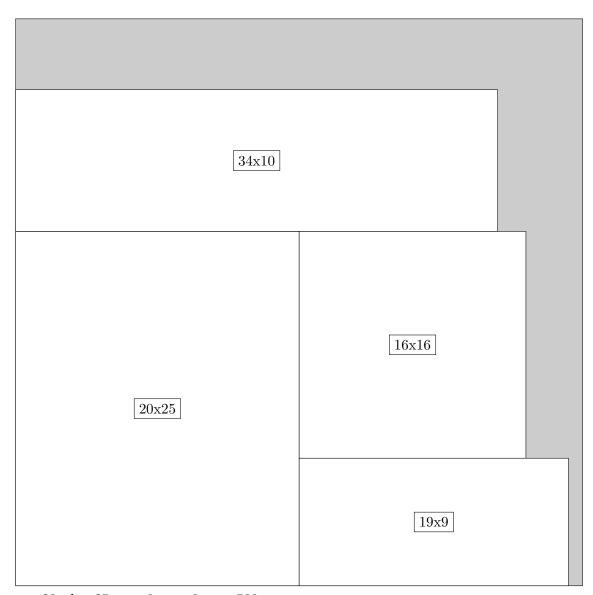


$$\le 25$$
 ,  $h$  =20 ,  $x$  =0 ,  $y$  =0 ,  $v$  =500

$$\le =27$$
 ,  $h=13$  ,  $x=0$  ,  $y=20$  ,  $v=351$ 

$$\le =13$$
 , h =19 , x =25 , y =0 , v =247

$$\mathbf{w}$$
 =11 , h =14 , x =29 , y =19 , v =154



$$\begin{array}{l} w = 20 \ , \ h = 25 \ , \ x = 0 \ , \ y = 0 \ , \ v = 500 \\ w = 34 \ , \ h = 10 \ , \ x = 0 \ , \ y = 25 \ , \ v = 340 \\ w = 16 \ , \ h = 16 \ , \ x = 20 \ , \ y = 9 \ , \ v = 256 \\ w = 19 \ , \ h = 9 \ , \ x = 20 \ , \ y = 0 \ , \ v = 171 \end{array}$$