$ClassName: \ Class\_03.2bp-24$ 

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

TypeNum: <u>60</u>
Num: <u>60</u>
OutS: <u>19200</u>
InS: <u>17407</u>
Rate: <u>0.907</u>
UB: <u>12</u>
LB0: <u>12</u>
LB: <u>12</u>

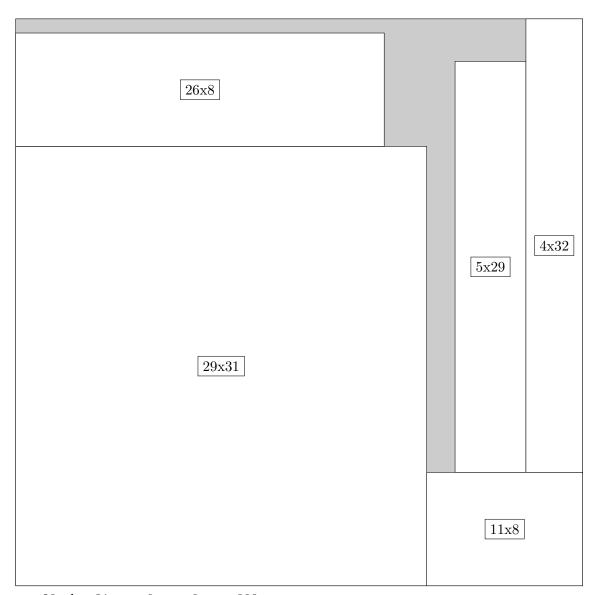
LBWithCut:  $\underline{\mathbf{12}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

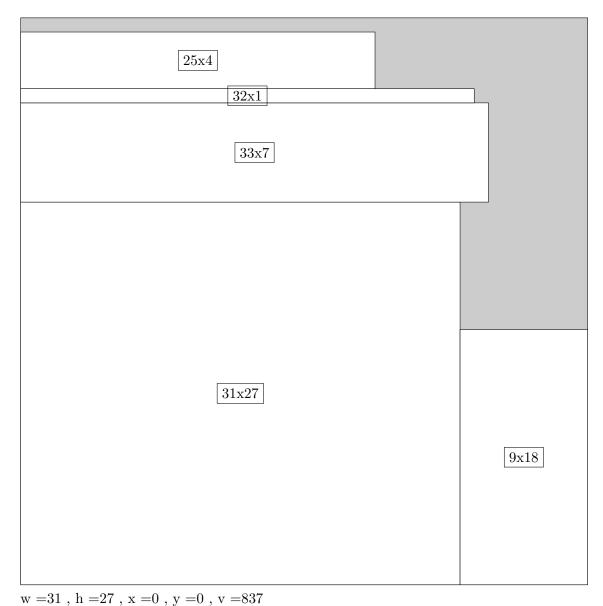
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{12}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

TimeOnInitSolution: 0.080 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.236 s



 $\begin{array}{l} w=29 \ , \ h=31 \ , \ x=0 \ , \ y=0 \ , \ v=899 \\ w=26 \ , \ h=8 \ , \ x=0 \ , \ y=31 \ , \ v=208 \\ w=5 \ , \ h=29 \ , \ x=31 \ , \ y=8 \ , \ v=145 \\ w=4 \ , \ h=32 \ , \ x=36 \ , \ y=8 \ , \ v=128 \\ w=11 \ , \ h=8 \ , \ x=29 \ , \ y=0 \ , \ v=88 \end{array}$ 



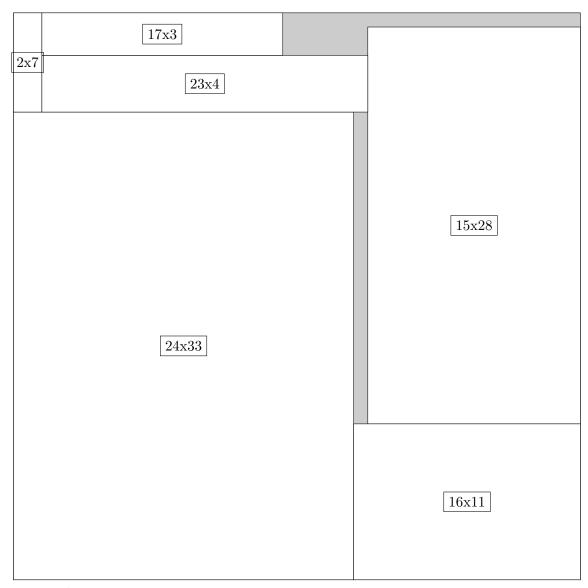
$$w = 25$$
,  $h = 4$ ,  $x = 0$ ,  $y = 35$ ,  $v = 100$ 

13x11		27x13	
	33x2		
	33x25		[7x27]

$$\begin{array}{l} w = \! 33 \ , \ h = \! 25 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 825 \\ w = \! 27 \ , \ h = \! 13 \ , \ x = \! 13 \ , \ y = \! 27 \ , \ v = \! 351 \\ w = \! 7 \ , \ h = \! 27 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 189 \end{array}$$

$$\mathbf{w}$$
 =13 , h =11 , x =0 , y =27 , v =143

$$\le =33$$
 , h =2 , x =0 , y =25 , v =66



$$\le =24$$
 , h =33 , x =0 , y =0 , v =792

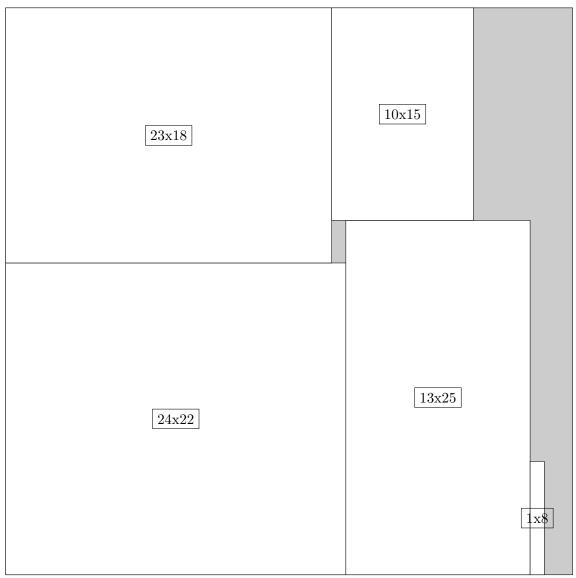
$$\le =15$$
 ,  $h=28$  ,  $x=25$  ,  $y=11$  ,  $v=420$ 

$$\le =23$$
 , h =4 , x =2 , y =33 , v =92

$$w = 17$$
,  $h = 3$ ,  $x = 2$ ,  $y = 37$ ,  $v = 51$ 

$$\mathbf{w}$$
 =16 , h =11 , x =24 , y =0 , v =176

$$\mathbf{w}$$
 =2 , h =7 , x =0 , y =33 , v =14



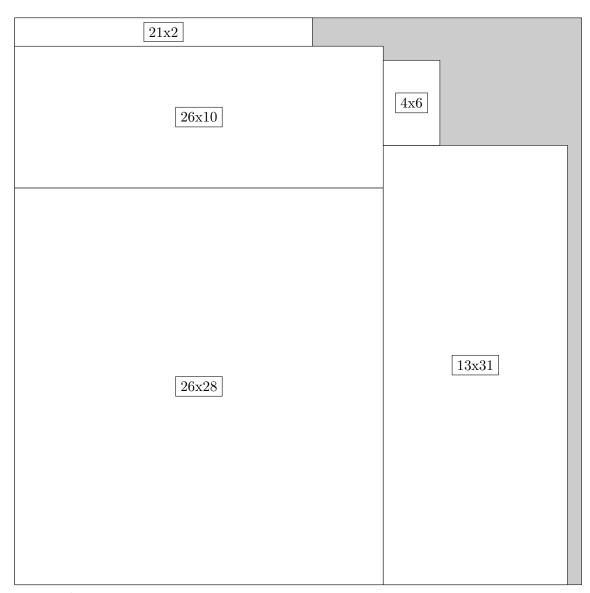
$$\le =24$$
 , h =22 , x =0 , y =0 , v =528

$$\le =23$$
 ,  $h$  =18 ,  $x$  =0 ,  $y$  =22 ,  $v$  =414

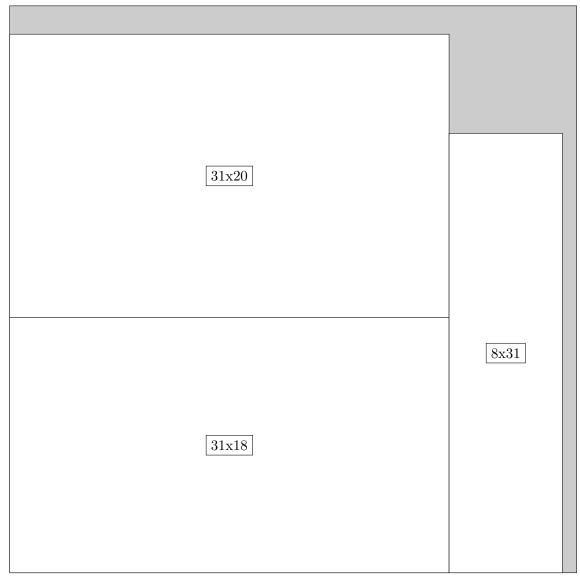
$$\le =13$$
 ,  $h=25$  ,  $x=24$  ,  $y=0$  ,  $v=325$ 

$$\le =10$$
 ,  $h$  =15 ,  $x$  =23 ,  $y$  =25 ,  $v$  =150

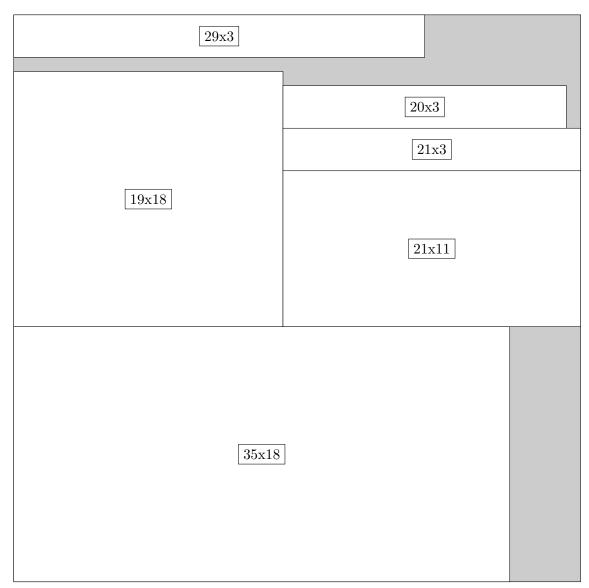
$$\mathbf{w}$$
 =1 , h =8 , x =37 , y =0 , v =8



$$\begin{array}{l} w = 26 \ , \ h = 28 \ , \ x = 0 \ , \ y = 0 \ , \ v = 728 \\ w = 13 \ , \ h = 31 \ , \ x = 26 \ , \ y = 0 \ , \ v = 403 \\ w = 26 \ , \ h = 10 \ , \ x = 0 \ , \ y = 28 \ , \ v = 260 \\ w = 4 \ , \ h = 6 \ , \ x = 26 \ , \ y = 31 \ , \ v = 24 \\ w = 21 \ , \ h = 2 \ , \ x = 0 \ , \ y = 38 \ , \ v = 42 \end{array}$$



 $\begin{array}{l} w = & 31 \;,\; h = & 18 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 558 \\ w = & 31 \;,\; h = & 20 \;,\; x = & 0 \;,\; y = & 18 \;,\; v = & 620 \\ w = & ,\; h = & 31 \;,\; x = & 31 \;,\; y = & 0 \;,\; v = & 248 \end{array}$ 



$$w = 35$$
,  $h = 18$ ,  $x = 0$ ,  $y = 0$ ,  $v = 630$ 

$$\le =19$$
 , h =18 , x =0 , y =18 , v =342

$$w$$
 =21 , h =11 , x =19 , y =18 , v =231

$$\le =29$$
 , h =3 , x =0 , y =37 , v =87

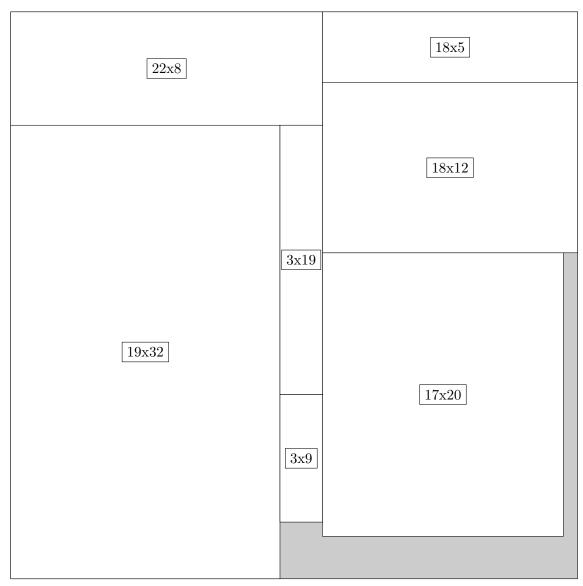
$$\le =21$$
 ,  $h$  =3 ,  $x$  =19 ,  $y$  =29 ,  $v$  =63

$$w$$
 =20 , h =3 , x =19 , y =32 , v =60

19x31	19x30
[19x9]	20x9

$$\le =19$$
 , h =30 , x =19 , y =9 , v =570

$$w$$
 =20 , h =9 , x =19 , y =0 , v =180



$$w = 19$$
,  $h = 32$ ,  $x = 0$ ,  $y = 0$ ,  $v = 608$ 

$$\le =17$$
 ,  $h=20$  ,  $x=22$  ,  $y=3$  ,  $v=340$ 

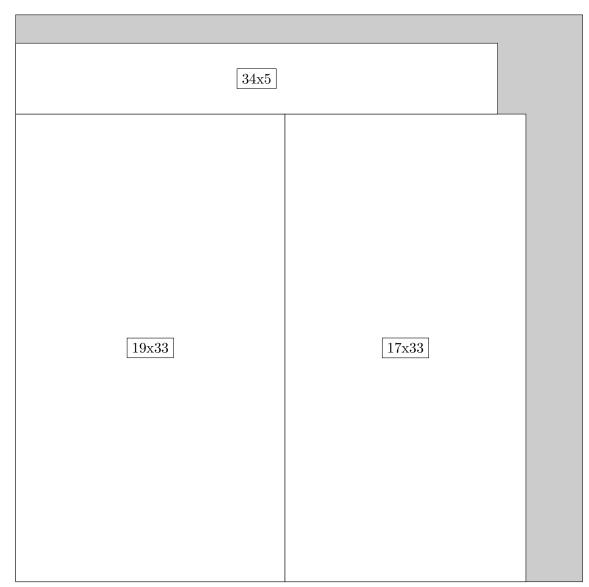
$$\le =18$$
 , h =12 , x =22 , y =23 , v =216

$$\le =22$$
 , h =8 , x =0 , y =32 , v =176

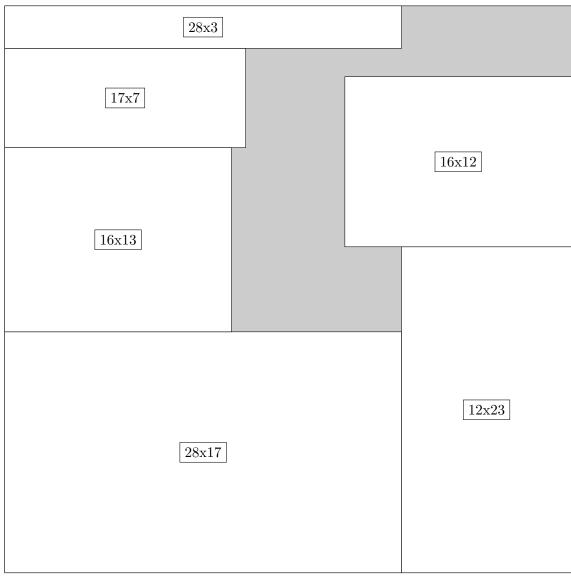
$$\le =18$$
 , h =5 , x =22 , y =35 , v =90

$$\le =3$$
 , h =19 , x =19 , y =13 , v =57

$$\mathbf{w}$$
 =3 , h =9 , x =19 , y =4 , v =27



$$\begin{array}{l} w = 19 \ , \ h = 33 \ , \ x = 0 \ , \ y = 0 \ , \ v = 627 \\ w = 17 \ , \ h = 33 \ , \ x = 19 \ , \ y = 0 \ , \ v = 561 \\ w = 34 \ , \ h = 5 \ , \ x = 0 \ , \ y = 33 \ , \ v = 170 \end{array}$$



$$w = 28$$
,  $h = 17$ ,  $x = 0$ ,  $y = 0$ ,  $v = 476$ 

$$\le =12$$
 , h =23 , x =28 , y =0 , v =276

$$\le =16$$
 ,  $h=13$  ,  $x=0$  ,  $y=17$  ,  $v=208$ 

$$\mathbf{w}$$
 =16 , h =12 , x =24 , y =23 , v =192

$$\le =17$$
 ,  $h$  =7 ,  $x$  =0 ,  $y$  =30 ,  $v$  =119

$$w=28$$
 ,  $h=3$  ,  $x=0$  ,  $y=37$  ,  $v=84$