${\bf ClassName:}~{\bf Class\_03.2bp\text{-}32}$ 

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

TypeNum: <u>76</u>
Num: <u>80</u>
OutS: <u>28800</u>
InS: <u>24830</u>
Rate: <u>0.862</u>
UB: <u>18</u>
LB0: <u>18</u>
LB: <u>18</u>

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

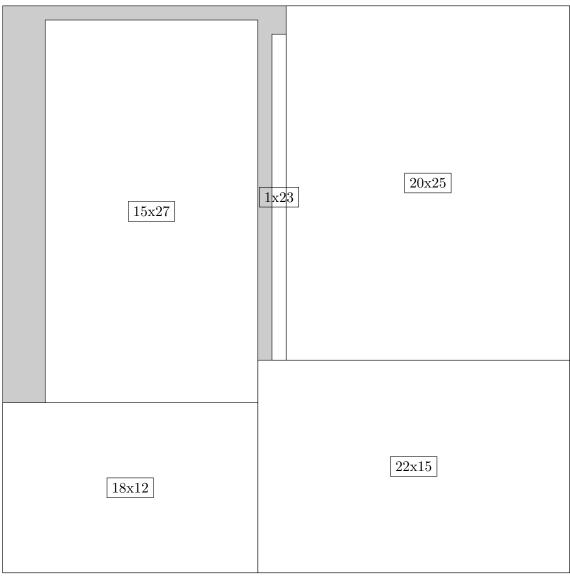
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.343 s

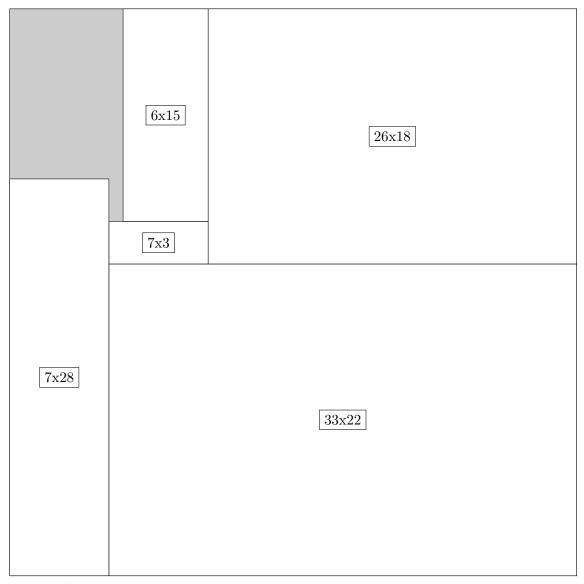


$$\le =22$$
 , h =15 , x =18 , y =0 , v =330

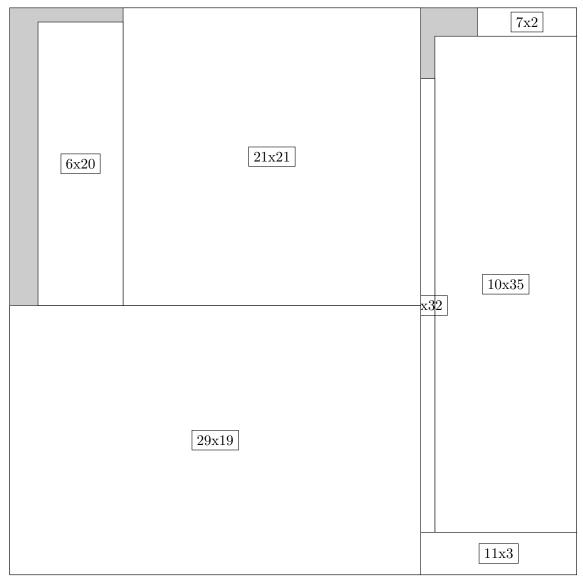
$$w=\!20$$
 ,  $h=\!25$  ,  $x=\!20$  ,  $y=\!15$  ,  $v=\!500$ 

$$w = 1$$
,  $h = 23$ ,  $x = 19$ ,  $y = 15$ ,  $v = 23$ 

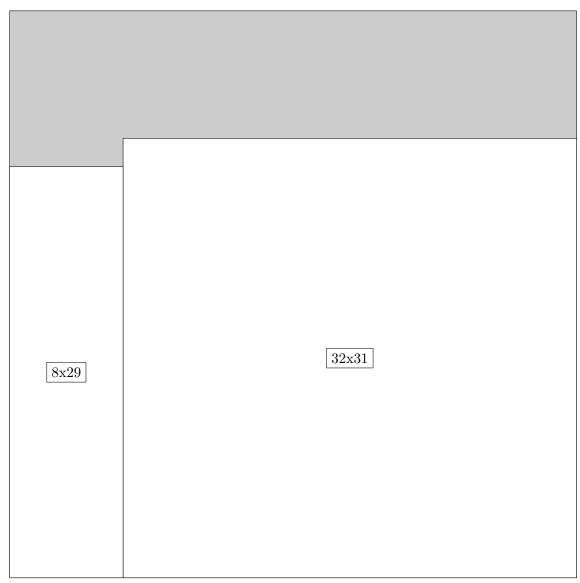
$$w = 18$$
,  $h = 12$ ,  $x = 0$ ,  $y = 0$ ,  $v = 216$ 



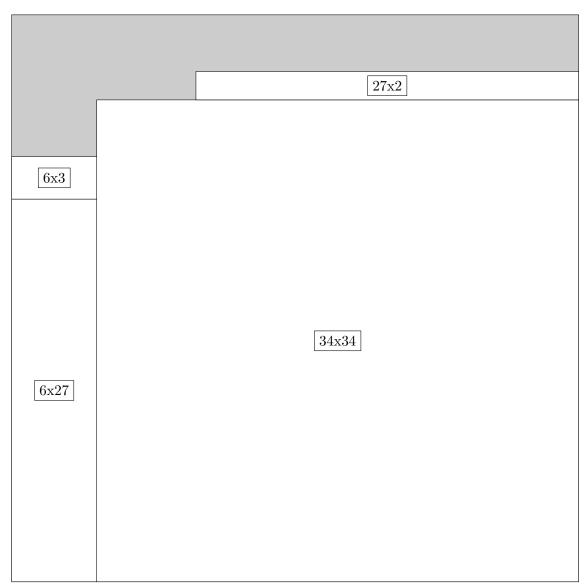
$$\begin{array}{l} w = \! 33 \; , \; h = \! 22 \; , \; x = \! 7 \; , \; y = \! 0 \; , \; v = \! 726 \\ w = \! 26 \; , \; h = \! 18 \; , \; x = \! 14 \; , \; y = \! 22 \; , \; v = \! 468 \\ w = \! 7 \; , \; h = \! 3 \; , \; x = \! 7 \; , \; y = \! 22 \; , \; v = \! 21 \\ w = \! 6 \; , \; h = \! 15 \; , \; x = \! 8 \; , \; y = \! 25 \; , \; v = \! 90 \\ w = \! 7 \; , \; h = \! 28 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 196 \end{array}$$



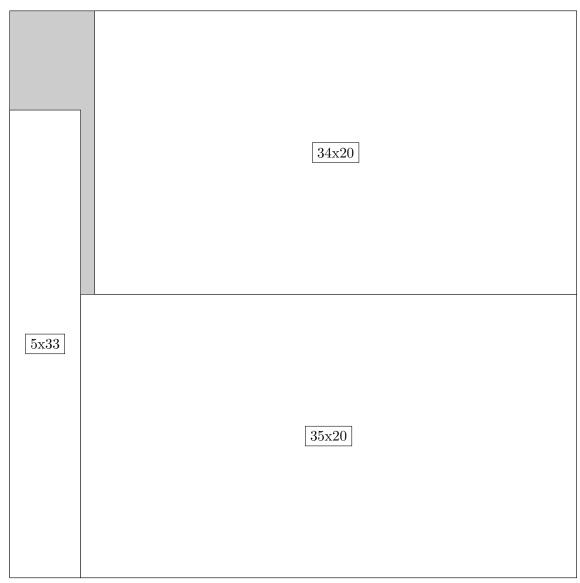
 $\begin{array}{l} w = & 11 \;,\; h = & 3 \;,\; x = & 29 \;,\; y = & 0 \;,\; v = & 33 \\ w = & 10 \;,\; h = & 35 \;,\; x = & 30 \;,\; y = & 3 \;,\; v = & 350 \\ w = & 1 \;,\; h = & 32 \;,\; x = & 29 \;,\; y = & 3 \;,\; v = & 32 \\ w = & 7 \;,\; h = & 2 \;,\; x = & 33 \;,\; y = & 38 \;,\; v = & 14 \\ w = & 29 \;,\; h = & 19 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 551 \\ w = & 21 \;,\; h = & 21 \;,\; x = & 8 \;,\; y = & 19 \;,\; v = & 441 \\ w = & 6 \;,\; h = & 20 \;,\; x = & 2 \;,\; y = & 19 \;,\; v = & 120 \end{array}$ 



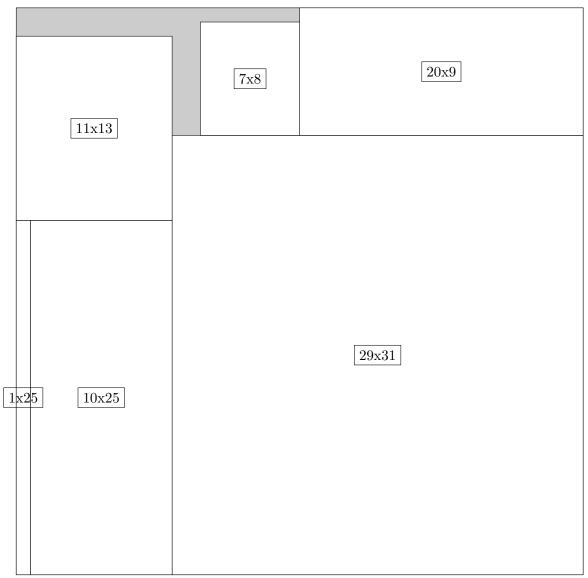
w =32 , h =31 , x =8 , y =0 , v =992 w =8 , h =29 , x =0 , y =0 , v =232



 $\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 34 \ , \ x = \!\! 6 \ , \ y = \!\! 0 \ , \ v = \!\! 1156 \\ w = \!\! 6 \ , \ h = \!\! 27 \ , \ x = \!\! 0 \ , \ y = \!\! 20 \ , \ v = \!\! 162 \\ w = \!\! 6 \ , \ h = \!\! 3 \ , \ x = \!\! 0 \ , \ y = \!\! 27 \ , \ v = \!\! 18 \\ w = \!\! 27 \ , \ h = \!\! 2 \ , \ x = \!\! 13 \ , \ y = \!\! 34 \ , \ v = \!\! 54 \end{array}$ 



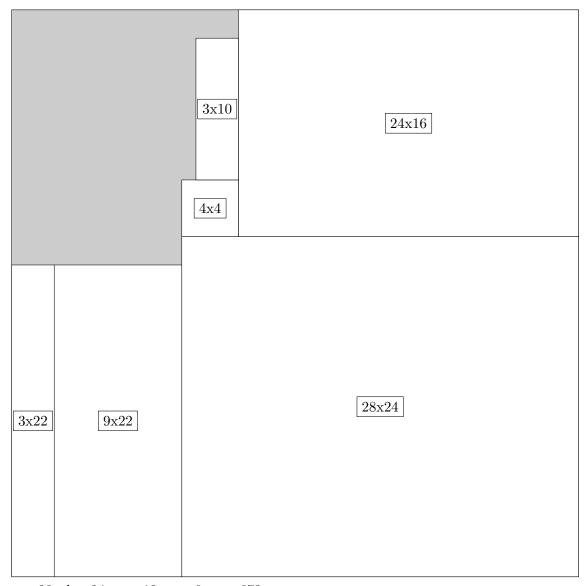
$$\begin{array}{l} w = \! 35 \; , \; h = \! 20 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 700 \\ w = \! 34 \; , \; h = \! 20 \; , \; x = \! 6 \; , \; y = \! 20 \; , \; v = \! 680 \\ w = \! 5 \; , \; h = \! 33 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 165 \end{array}$$



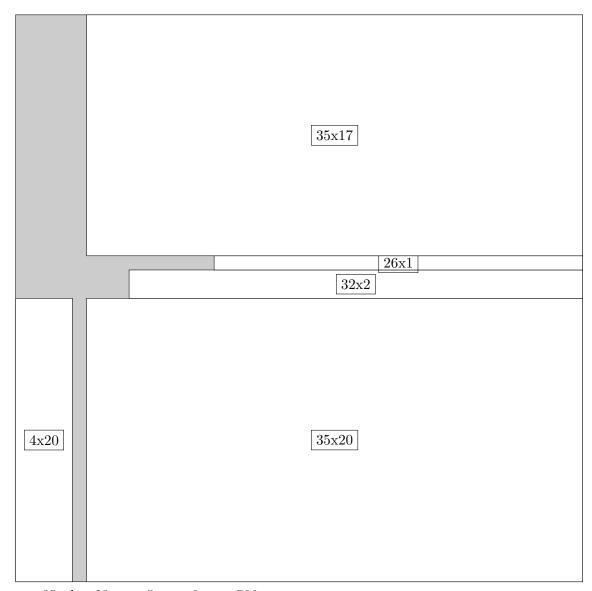
 $\begin{array}{l} w=29 \ , \ h=31 \ , \ x=11 \ , \ y=0 \ , \ v=899 \\ w=20 \ , \ h=9 \ , \ x=20 \ , \ y=31 \ , \ v=180 \\ w=7 \ , \ h=8 \ , \ x=13 \ , \ y=31 \ , \ v=56 \\ w=10 \ , \ h=25 \ , \ x=1 \ , \ y=0 \ , \ v=250 \\ w=1 \ , \ h=25 \ , \ x=0 \ , \ y=0 \ , \ v=25 \\ w=11 \ , \ h=13 \ , \ x=0 \ , \ y=25 \ , \ v=143 \end{array}$ 

	[10x7]	[7x8]
23x17		
$23\mathrm{x}22$	17x32	

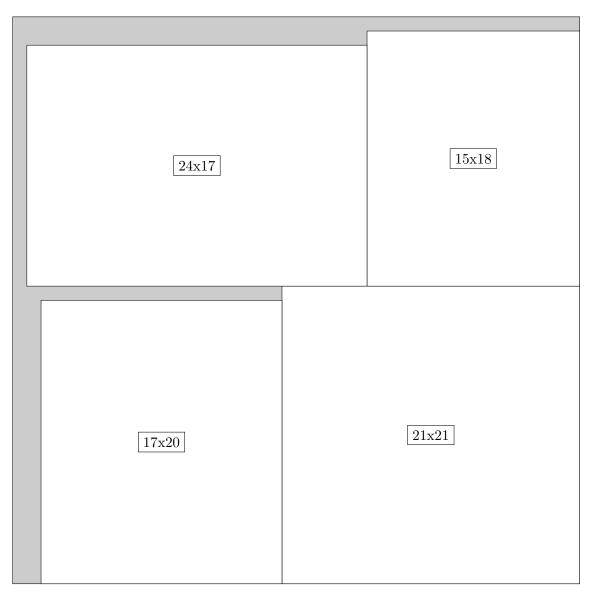
$$\begin{array}{l} w = \! 17 \;,\; h = \! 32 \;,\; x = \! 23 \;,\; y = \! 0 \;,\; v = \! 544 \\ w = \! 7 \;,\; h = \! 8 \;,\; x = \! 33 \;,\; y = \! 32 \;,\; v = \! 56 \\ w = \! 10 \;,\; h = \! 7 \;,\; x = \! 23 \;,\; y = \! 32 \;,\; v = \! 70 \\ w = \! 23 \;,\; h = \! 22 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 506 \\ w = \! 23 \;,\; h = \! 17 \;,\; x = \! 0 \;,\; y = \! 22 \;,\; v = \! 391 \end{array}$$



 $\begin{array}{l} w=28\;,\; h=24\;,\; x=12\;,\; y=0\;,\; v=672\\ w=24\;,\; h=16\;,\; x=16\;,\; y=24\;,\; v=384\\ w=4\;,\; h=4\;,\; x=12\;,\; y=24\;,\; v=16\\ w=3\;,\; h=10\;,\; x=13\;,\; y=28\;,\; v=30\\ w=9\;,\; h=22\;,\; x=3\;,\; y=0\;,\; v=198\\ w=3\;,\; h=22\;,\; x=0\;,\; y=0\;,\; v=66 \end{array}$ 



$$\begin{array}{l} w = & 35 \ , \ h = & 20 \ , \ x = & 5 \ , \ y = & 0 \ , \ v = & 700 \\ w = & 32 \ , \ h = & 2 \ , \ x = & 8 \ , \ y = & 20 \ , \ v = & 64 \\ w = & 26 \ , \ h = & 1 \ , \ x = & 14 \ , \ y = & 22 \ , \ v = & 26 \\ w = & 4 \ , \ h = & 20 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 80 \\ w = & 35 \ , \ h = & 17 \ , \ x = & 5 \ , \ y = & 23 \ , \ v = & 595 \end{array}$$

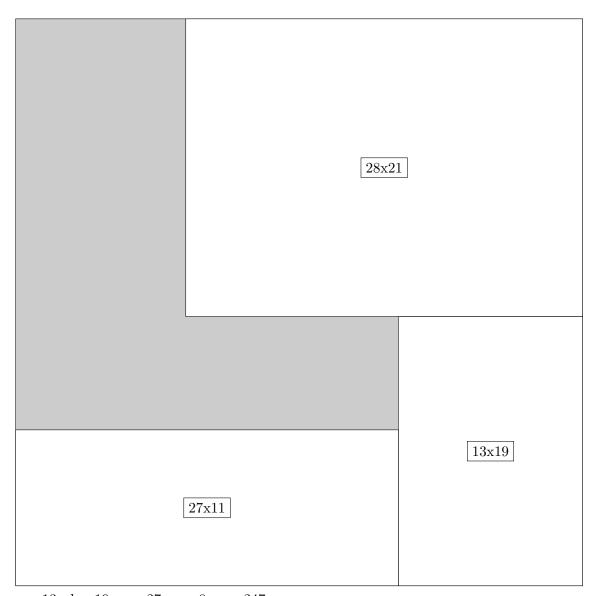


$$w$$
 =21 ,  $h$  =21 ,  $x$  =19 ,  $y$  =0 ,  $v$  =441

$$w = 17 \ , \ h = 20 \ , \ x = 2 \ , \ y = 0 \ , \ v = 340$$

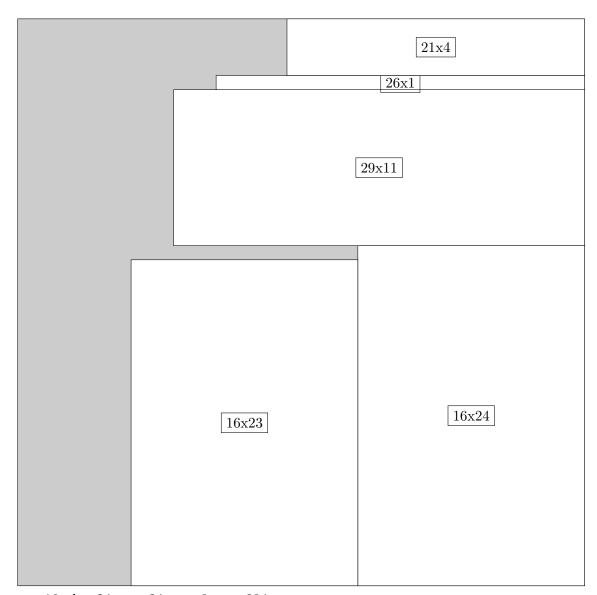
$$\le =15$$
 , h =18 , x =25 , y =21 , v =270

$$\mathbf{w}$$
 =24 , h =17 , x =1 , y =21 , v =408



$$\begin{array}{l} w = \! 13 \ , \ h = \! 19 \ , \ x = \! 27 \ , \ y = \! 0 \ , \ v = \! 247 \\ w = \! 27 \ , \ h = \! 11 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 297 \end{array}$$

$$w = 28$$
,  $h = 21$ ,  $x = 12$ ,  $y = 19$ ,  $v = 588$ 



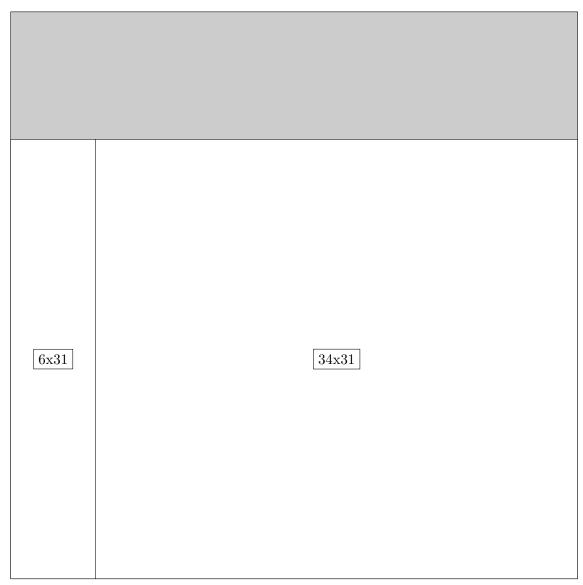
$$w$$
 =16 ,  $h$  =24 ,  $x$  =24 ,  $y$  =0 ,  $v$  =384

$$\le =16$$
 , h =23 , x =8 , y =0 , v =368

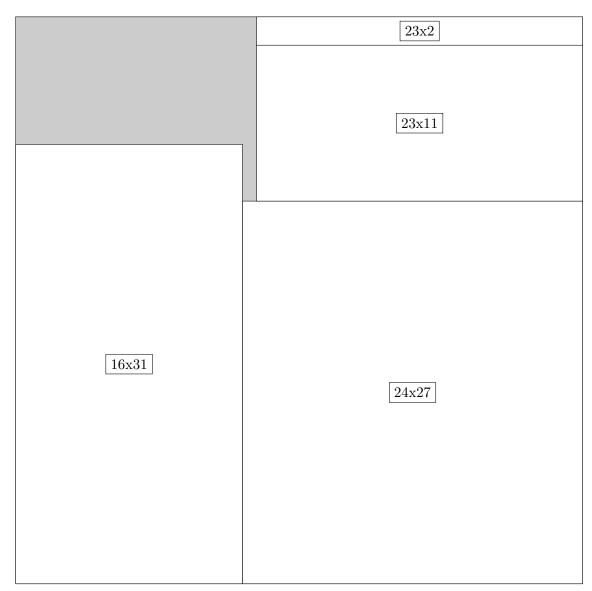
$$\le =29$$
 , h =11 , x =11 , y =24 , v =319

$$\le =26$$
 , h =1 , x =14 , y =35 , v =26

$$w$$
 =21 , h =4 , x =19 , y =36 , v =84



w =34, h =31, x =6, y =0, v =1054 w =6, h =31, x =0, y =0, v =186

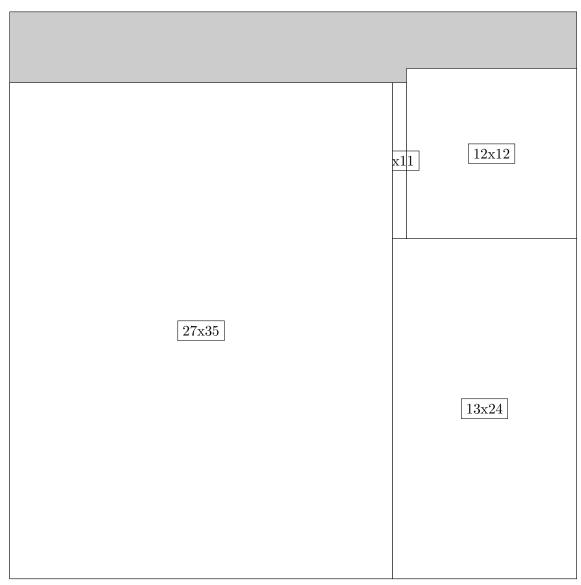


$$\le 24$$
 ,  $h = 27$  ,  $x = 16$  ,  $y = 0$  ,  $v = 648$ 

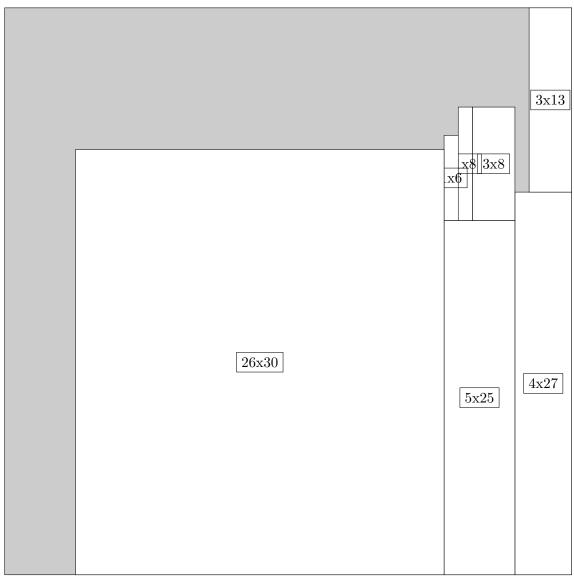
$$w = 23$$
,  $h = 11$ ,  $x = 17$ ,  $y = 27$ ,  $v = 253$ 

$$\le =23$$
 , h =2 , x =17 , y =38 , v =46

$$\le =16$$
 ,  $h=31$  ,  $x=0$  ,  $y=0$  ,  $v=496$ 



 $\begin{array}{l} w = \! 13 \ , \ h = \! 24 \ , \ x = \! 27 \ , \ y = \! 0 \ , \ v = \! 312 \\ w = \! 12 \ , \ h = \! 12 \ , \ x = \! 28 \ , \ y = \! 24 \ , \ v = \! 144 \\ w = \! 1 \ , \ h = \! 11 \ , \ x = \! 27 \ , \ y = \! 24 \ , \ v = \! 11 \\ w = \! 27 \ , \ h = \! 35 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 945 \end{array}$ 



w = 4, h = 27, x = 36, y = 0, v = 108

 $\le =3$  , h =13 , x =37 , y =27 , v =39

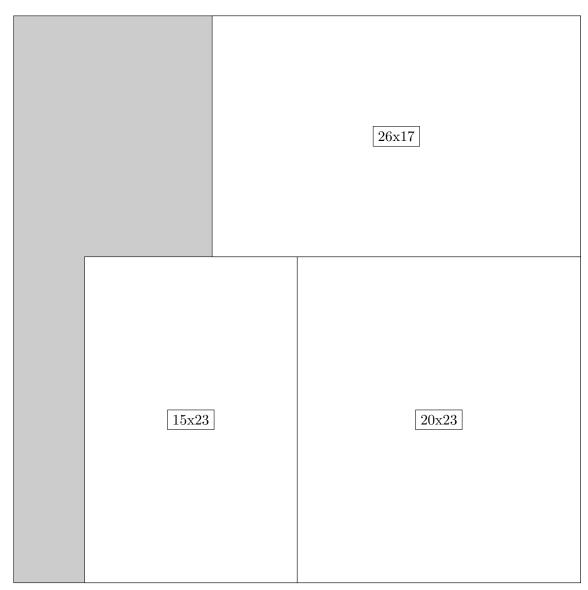
 $\le 5$  , h = 25 , x = 31 , y = 0 , v = 125

 $\le =3$  , h = 8 , x = 33 , y = 25 , v = 24

 $\mathbf{w}$  =1 , h =8 , x =32 , y =25 , v =8

 $\mathbf{w}$  =1 , h =6 , x =31 , y =25 , v =6

 $\le =26$  , h =30 , x =5 , y =0 , v =780



$$w$$
 =20 ,  $h$  =23 ,  $x$  =20 ,  $y$  =0 ,  $v$  =460

$$\le =15$$
 , h =23 , x =5 , y =0 , v =345

$$\le =26$$
 , h =17 , x =14 , y =23 , v =442