$ClassName: \ Class\_03.2bp\text{-}43$ 

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

TypeNum: <u>96</u>
Num: <u>100</u>
OutS: <u>32000</u>
InS: <u>30525</u>
Rate: <u>0.954</u>
UB: <u>20</u>
LB: <u>20</u>
LB: <u>20</u>

LBWithCut:  $\underline{20}$ NodeCut:  $\underline{0}$ 

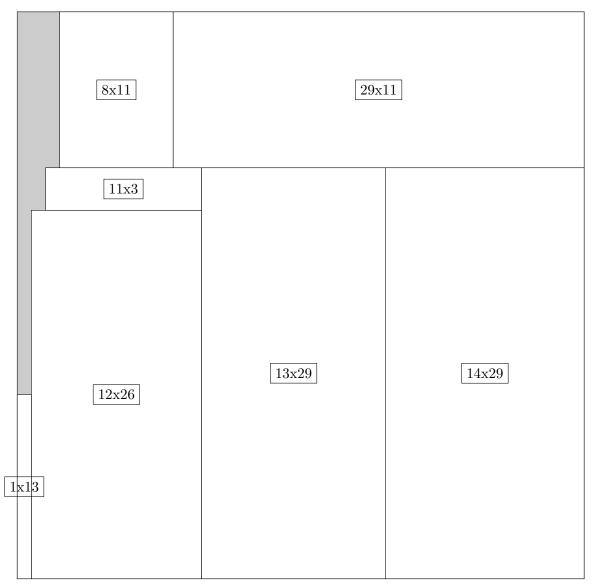
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{20}}$ 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: 0.062 sTotalTime: 600.344 s



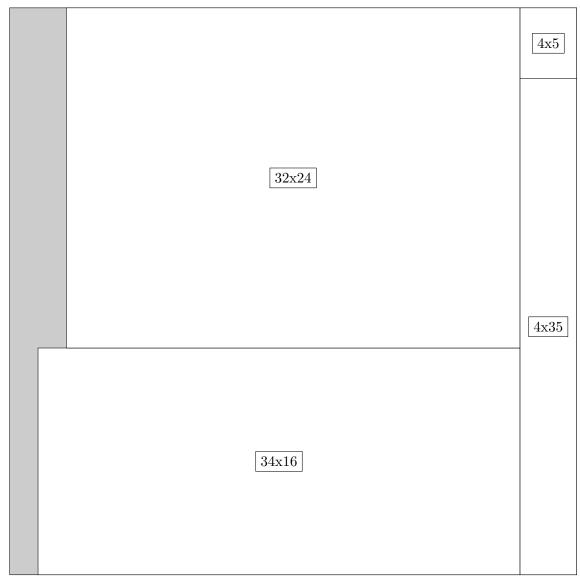
$$\begin{array}{c} w = \! 14 \; , \; h = \! 29 \; , \; x = \! 26 \; , \; y = \! 0 \; , \; v = \! 406 \\ w = \! 13 \; , \; h = \! 29 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 377 \end{array}$$

$$\le =12$$
 , h =26 , x =1 , y =0 , v =312

$$\mathbf{w}$$
 =1 , h =13 , x =0 , y =0 , v =13

$$\begin{array}{l} w = \! 11 \ , \ h = \! 3 \ , \ x = \! 2 \ , \ y = \! 26 \ , \ v = \! 33 \\ w = \! 29 \ , \ h = \! 11 \ , \ x = \! 11 \ , \ y = \! 29 \ , \ v = \! 319 \end{array}$$

$$\le =8$$
 ,  $h$  =11 ,  $x$  =3 ,  $y$  =29 ,  $v$  =88



$$\mathbf{w}$$
 =4 , h =35 , x =36 , y =0 , v =140

$$\le=4$$
 , h =5 , x =36 , y =35 , v =20

$$\le =34$$
 , h =16 , x =2 , y =0 , v =  
544

$$\le 32$$
 , h =24 , x =4 , y =16 , v =768

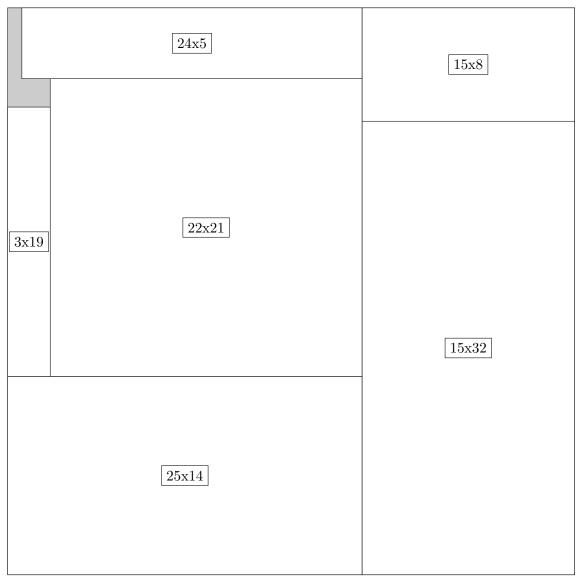
	32x5	
	24x8	
16x35	24x27	

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

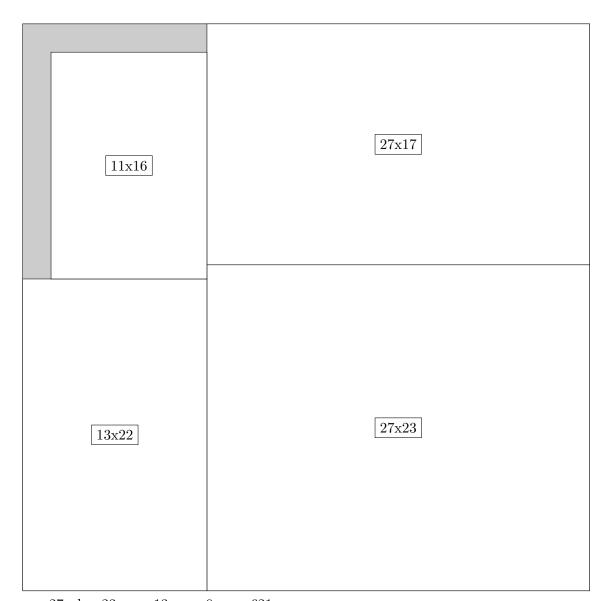
$$\le =24$$
 , h =8 , x =16 , y =27 , v =192

$$\le =16$$
 , h =35 , x =0 , y =0 , v =560

$$\le =32$$
 , h =5 , x =8 , y =35 , v =160



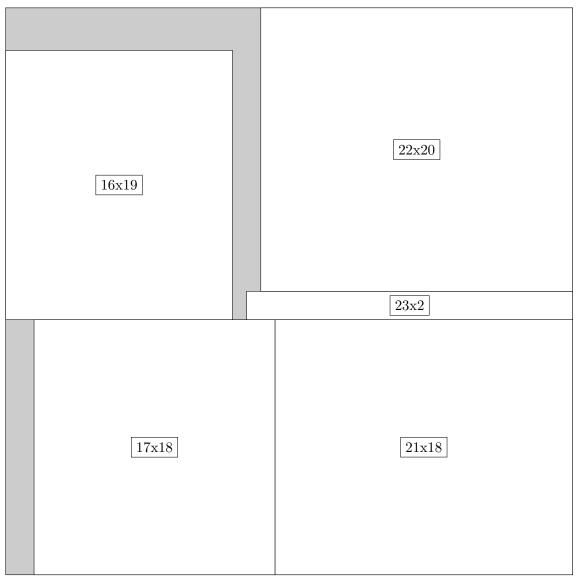
$$\begin{array}{l} w = 15 \ , \, h = 32 \ , \, x = 25 \ , \, y = 0 \ , \, v = 480 \\ w = 15 \ , \, h = 8 \ , \, x = 25 \ , \, y = 32 \ , \, v = 120 \\ w = 25 \ , \, h = 14 \ , \, x = 0 \ , \, y = 0 \ , \, v = 350 \\ w = 22 \ , \, h = 21 \ , \, x = 3 \ , \, y = 14 \ , \, v = 462 \\ w = 3 \ , \, h = 19 \ , \, x = 0 \ , \, y = 14 \ , \, v = 57 \\ w = 24 \ , \, h = 5 \ , \, x = 1 \ , \, y = 35 \ , \, v = 120 \end{array}$$



$$\begin{array}{l} w = \!\!27 \ , \ h = \!\!23 \ , \ x = \!\!13 \ , \ y = \!\!0 \ , \ v = \!\!621 \\ w = \!\!27 \ , \ h = \!\!17 \ , \ x = \!\!13 \ , \ y = \!\!23 \ , \ v = \!\!459 \end{array}$$

$$w = 13$$
,  $h = 22$ ,  $x = 0$ ,  $y = 0$ ,  $v = 286$ 

$$\mathbf{w}$$
 =11 , h =16 , x =2 , y =22 , v =176



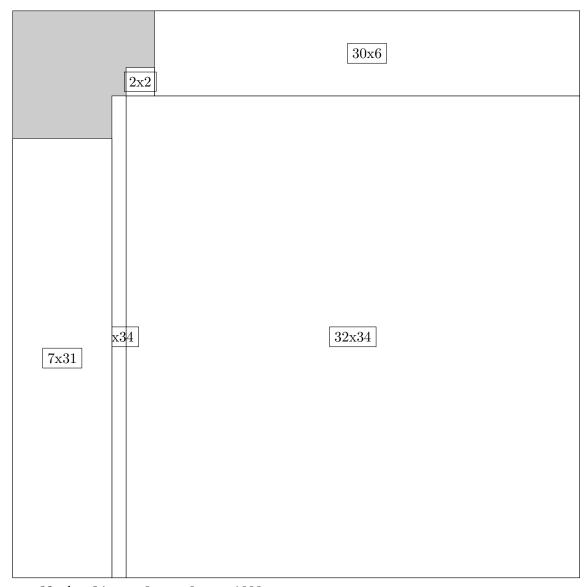
$$w$$
 =21 ,  $h$  =18 ,  $x$  =19 ,  $y$  =0 ,  $v$  =378

$$\le =17$$
 , h =18 , x =2 , y =0 , v =306

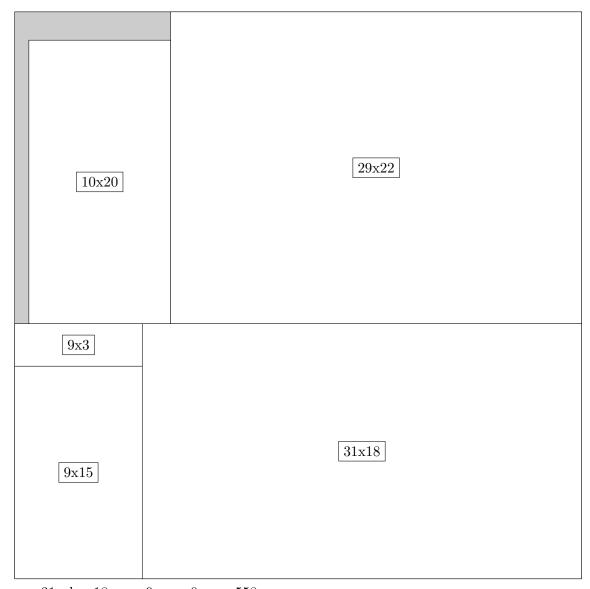
$$\le =23$$
 , h =2 , x =17 , y =18 , v =46

$$\le =22$$
 , h =20 , x =18 , y =20 , v =440

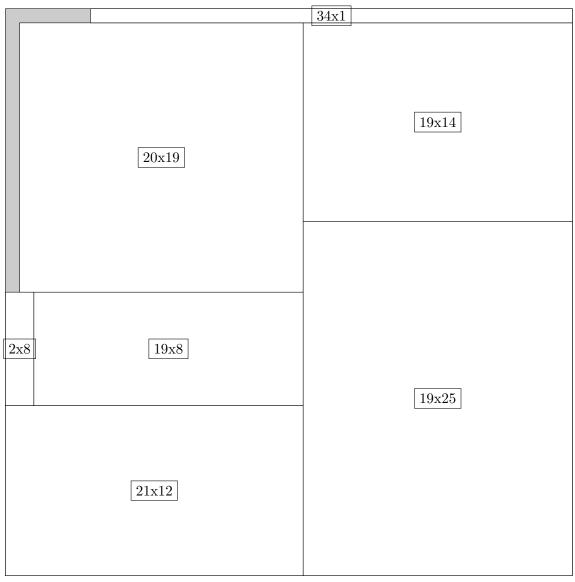
$$\mathbf{w}$$
 =16 , h =19 , x =0 , y =18 , v =304



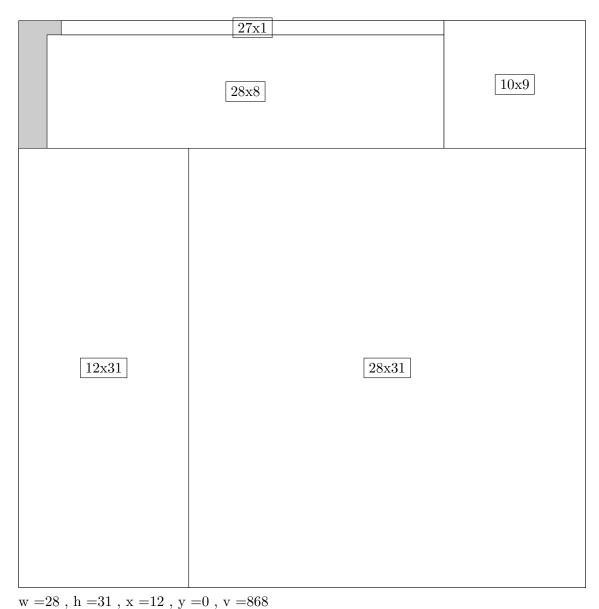
 $\begin{array}{l} w = 32 \; , \; h = 34 \; , \; x = 8 \; , \; y = 0 \; , \; v = 1088 \\ w = 30 \; , \; h = 6 \; , \; x = 10 \; , \; y = 34 \; , \; v = 180 \\ w = 2 \; , \; h = 2 \; , \; x = 8 \; , \; y = 34 \; , \; v = 4 \\ w = 1 \; , \; h = 34 \; , \; x = 7 \; , \; y = 0 \; , \; v = 34 \\ w = 7 \; , \; h = 31 \; , \; x = 0 \; , \; y = 0 \; , \; v = 217 \end{array}$ 



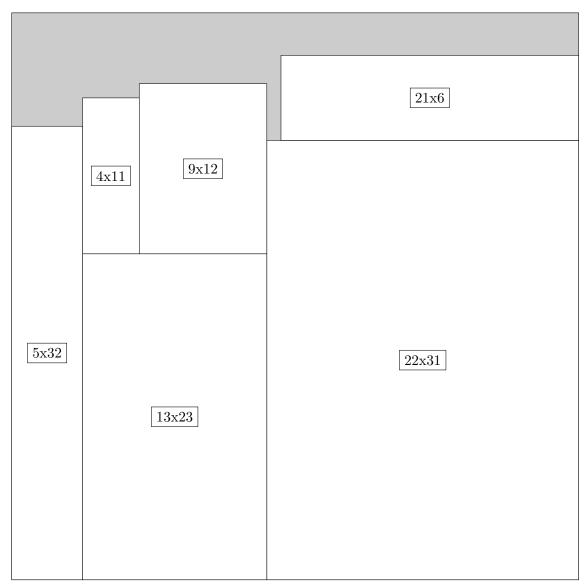
$$\begin{array}{l} w = & 31 \;,\; h = & 18 \;,\; x = & 9 \;,\; y = & 0 \;,\; v = & 558 \\ w = & 9 \;,\; h = & 15 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 135 \\ w = & 9 \;,\; h = & 3 \;,\; x = & 0 \;,\; y = & 15 \;,\; v = & 27 \\ w = & 29 \;,\; h = & 22 \;,\; x = & 11 \;,\; y = & 18 \;,\; v = & 638 \\ w = & 10 \;,\; h = & 20 \;,\; x = & 1 \;,\; y = & 18 \;,\; v = & 200 \end{array}$$



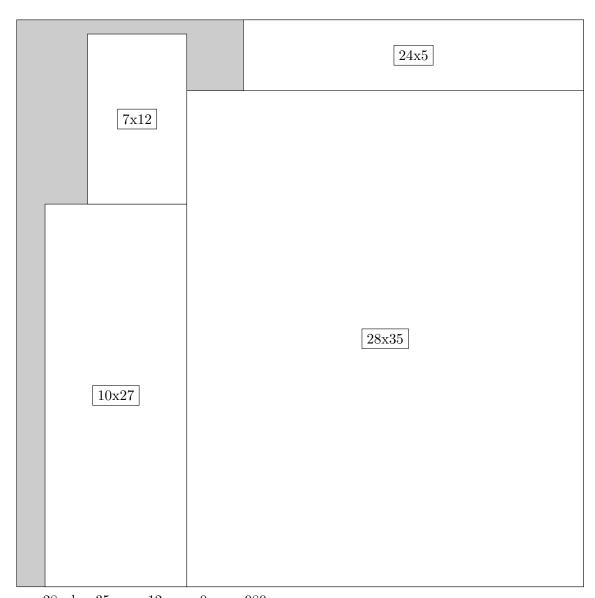
$$\begin{array}{l} w=19\;,\; h=25\;,\; x=21\;,\; y=0\;,\; v=475\\ w=19\;,\; h=14\;,\; x=21\;,\; y=25\;,\; v=266\\ w=21\;,\; h=12\;,\; x=0\;,\; y=0\;,\; v=252\\ w=19\;,\; h=8\;,\; x=2\;,\; y=12\;,\; v=152\\ w=2\;,\; h=8\;,\; x=0\;,\; y=12\;,\; v=16\\ w=20\;,\; h=19\;,\; x=1\;,\; y=20\;,\; v=380\\ w=34\;,\; h=1\;,\; x=6\;,\; y=39\;,\; v=34 \end{array}$$



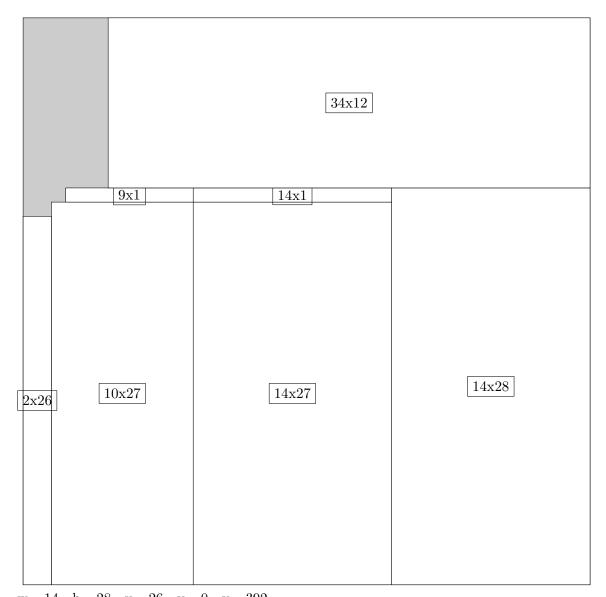
 $\le =27$  , h =1 , x =3 , y =39 , v =27



 $\begin{array}{l} w=22\;,\; h=31\;,\; x=18\;,\; y=0\;,\; v=682\\ w=21\;,\; h=6\;,\; x=19\;,\; y=31\;,\; v=126\\ w=13\;,\; h=23\;,\; x=5\;,\; y=0\;,\; v=299\\ w=9\;,\; h=12\;,\; x=9\;,\; y=23\;,\; v=108\\ w=4\;,\; h=11\;,\; x=5\;,\; y=23\;,\; v=44\\ w=5\;,\; h=32\;,\; x=0\;,\; y=0\;,\; v=160 \end{array}$ 

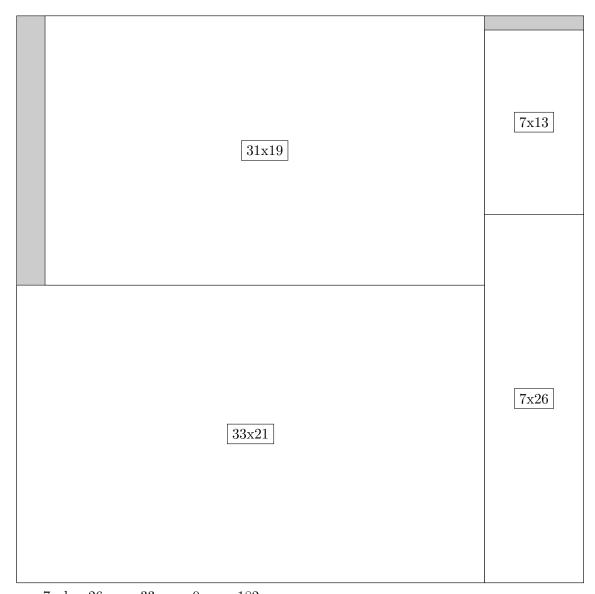


$$\begin{array}{l} w=28 \ , \ h=35 \ , \ x=12 \ , \ y=0 \ , \ v=980 \\ w=24 \ , \ h=5 \ , \ x=16 \ , \ y=35 \ , \ v=120 \\ w=10 \ , \ h=27 \ , \ x=2 \ , \ y=0 \ , \ v=270 \\ w=7 \ , \ h=12 \ , \ x=5 \ , \ y=27 \ , \ v=84 \end{array}$$



$$\begin{array}{l} w = \! 14 \; , \; h = \! 28 \; , \; x = \! 26 \; , \; y = \! 0 \; , \; v = \! 392 \\ w = \! 14 \; , \; h = \! 27 \; , \; x = \! 12 \; , \; y = \! 0 \; , \; v = \! 378 \\ w = \! 14 \; , \; h = \! 1 \; , \; x = \! 12 \; , \; y = \! 27 \; , \; v = \! 14 \\ w = \! 10 \; , \; h = \! 27 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 270 \\ w = \! 9 \; , \; h = \! 1 \; , \; x = \! 3 \; , \; y = \! 27 \; , \; v = \! 9 \\ w = \! 2 \; , \; h = \! 26 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 52 \end{array}$$

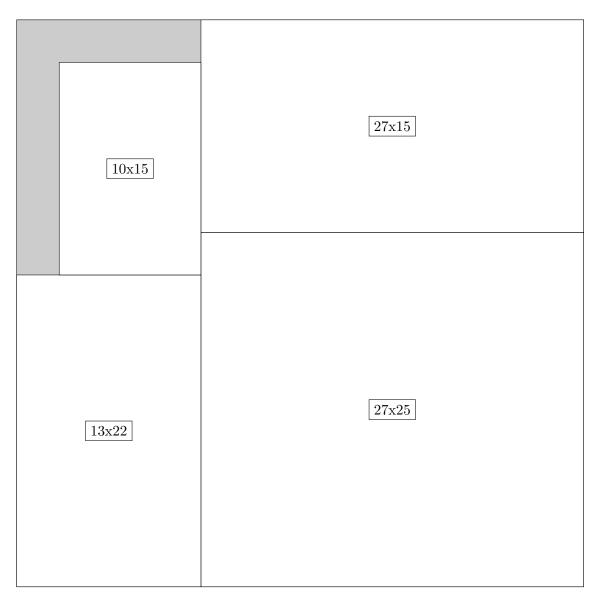
 $\le =34$  , h=12 , x=6 , y=28 , v=408



w = 7, h = 26, x = 33, y = 0, v = 182w = 7, h = 13, x = 33, y = 26, v = 91

 $w = 33 \ , \ h = 21 \ , \ x = 0 \ , \ y = 0 \ , \ v = 693$ 

 $\le =31$  , h =19 , x =2 , y =21 , v =589



$$w$$
 =27 ,  $h$  =25 ,  $x$  =13 ,  $y$  =0 ,  $v$  =675

$$w = 27$$
,  $h = 15$ ,  $x = 13$ ,  $y = 25$ ,  $v = 405$ 

$$\le =13$$
 ,  $h=22$  ,  $x=0$  ,  $y=0$  ,  $v=286$ 

$$\mathbf{w}$$
 =10 , h =15 , x =3 , y =22 , v =150

	11x	6	25x3
20x4			
$20 \mathrm{x} 25$			19x29

$$\begin{array}{l} w = 19 \ , \ h = 29 \ , \ x = 21 \ , \ y = 0 \ , \ v = 551 \\ w = 20 \ , \ h = 25 \ , \ x = 1 \ , \ y = 0 \ , \ v = 500 \\ w = 20 \ , \ h = 4 \ , \ x = 1 \ , \ y = 25 \ , \ v = 80 \\ w = 25 \ , \ h = 3 \ , \ x = 15 \ , \ y = 29 \ , \ v = 75 \end{array}$$

$$\begin{array}{c} w = \! 14 \ , \ h = \! 8 \ , \ x = \! 26 \ , \ y = \! 32 \ , \ v = \! 112 \\ w = \! 11 \ , \ h = \! 6 \ , \ x = \! 15 \ , \ y = \! 32 \ , \ v = \! 66 \end{array}$$

5x11	35x12
14x28	$26 \mathrm{x} 28$

$$\begin{array}{l} w = 26 \ , \ h = 28 \ , \ x = 14 \ , \ y = 0 \ , \ v = 728 \\ w = 14 \ , \ h = 28 \ , \ x = 0 \ , \ y = 0 \ , \ v = 392 \\ w = 35 \ , \ h = 12 \ , \ x = 5 \ , \ y = 28 \ , \ v = 420 \\ w = 5 \ , \ h = 11 \ , \ x = 0 \ , \ y = 28 \ , \ v = 55 \end{array}$$

	13x10		24x10	
3x23	8x30		29x30	

$$\begin{array}{l} w = 29 \; , \; h = 30 \; , \; x = 11 \; , \; y = 0 \; , \; v = 870 \\ w = 8 \; , \; h = 30 \; , \; x = 3 \; , \; y = 0 \; , \; v = 240 \\ w = 3 \; , \; h = 23 \; , \; x = 0 \; , \; y = 0 \; , \; v = 69 \\ w = 24 \; , \; h = 10 \; , \; x = 16 \; , \; y = 30 \; , \; v = 240 \end{array}$$

$$\le =13$$
 ,  $h$  =10 ,  $x$  =3 ,  $y$  =30 ,  $v$  =130

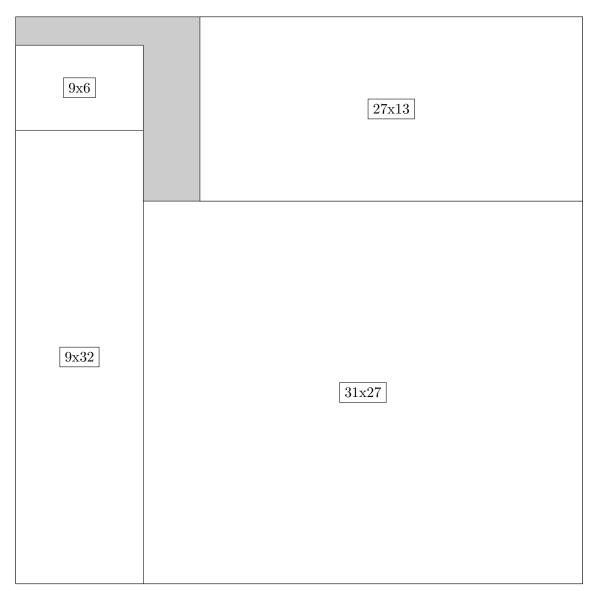
22x6	18x13
22x33	[18x27]

$$\le =18$$
 ,  $h$  =27 ,  $x$  =22 ,  $y$  =0 ,  $v$  =486

$$\le =18$$
 , h =13 , x =22 , y =27 , v =234

$$\le =22$$
 , h =33 , x =0 , y =0 , v =726

$$\le =22$$
 , h =6 , x =0 , y =33 , v =132



 $\begin{array}{l} w = & 31 \ , \ h = & 27 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 837 \\ w = & 27 \ , \ h = & 13 \ , \ x = & 13 \ , \ y = & 27 \ , \ v = & 351 \\ w = & 9 \ , \ h = & 32 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 288 \\ w = & 9 \ , \ h = & 6 \ , \ x = & 0 \ , \ y = & 32 \ , \ v = & 54 \end{array}$