$ClassName: \ Class_03.2bp\text{-}34$

BinSize: 40×40 ReduceSize: 40×40

TypeNum: <u>77</u> Num: **80** OutS: **27200** InS: 24958Rate: $\underline{0.918}$ UB: <u>17</u>

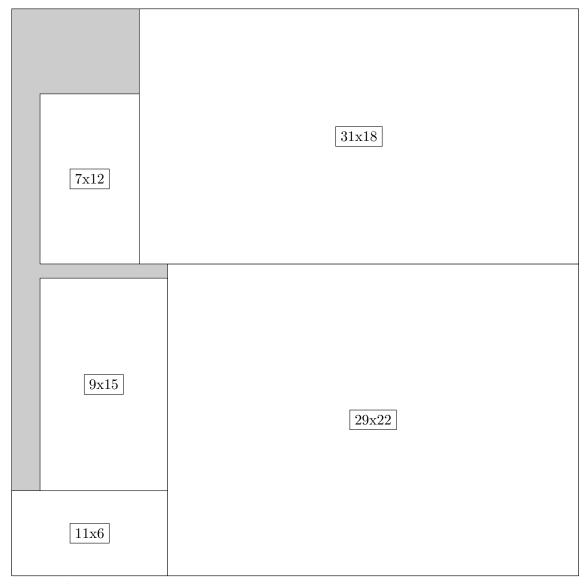
LB: **17**

LBWithCut: 17 NodeCount: $\mathbf{0}$ PrimalNode: $\mathbf{0}$ $ColumnCount: \ \underline{\mathbf{120}}$ $TotalCutCount: \ \mathbf{0}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: 104 ${\bf PricingSolverCnt:}~{\bf \underline{104}}$ Branch And
Bound Num: $\underline{\mathbf{1}}$

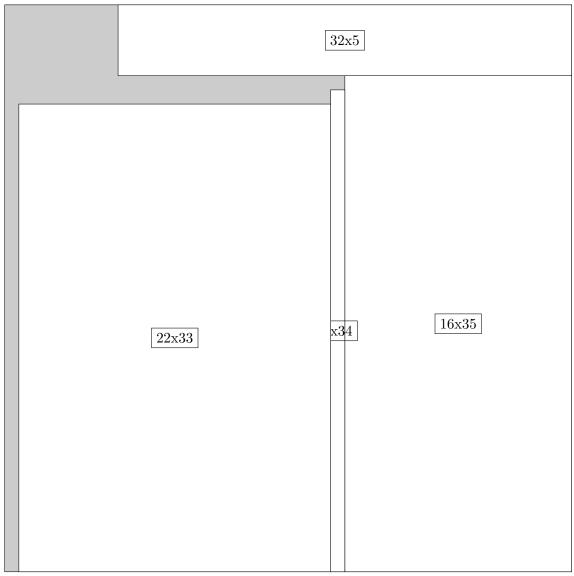
isOpt: false

TimeOnPrimal: 0.000 sTimeOnPricing: 2999.714 s

TimeOnRmp: $\underline{0.135 \text{ s}}$ Total Time: 3000.005 s



$$\begin{array}{l} w=29 \ , \ h=22 \ , \ x=11 \ , \ y=0 \ , \ v=638 \\ w=11 \ , \ h=6 \ , \ x=0 \ , \ y=0 \ , \ v=66 \\ w=9 \ , \ h=15 \ , \ x=2 \ , \ y=6 \ , \ v=135 \\ w=31 \ , \ h=18 \ , \ x=9 \ , \ y=22 \ , \ v=558 \\ w=7 \ , \ h=12 \ , \ x=2 \ , \ y=22 \ , \ v=84 \end{array}$$

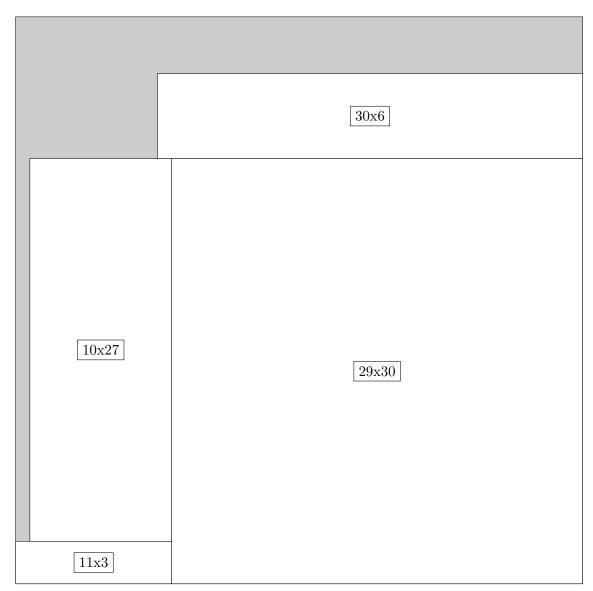


 $\begin{array}{l} w = \! 16 \ , \ h = \! 35 \ , \ x = \! 24 \ , \ y = \! 0 \ , \ v = \! 560 \\ w = \! 1 \ , \ h = \! 34 \ , \ x = \! 23 \ , \ y = \! 0 \ , \ v = \! 34 \\ w = \! 22 \ , \ h = \! 33 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 726 \\ w = \! 32 \ , \ h = \! 5 \ , \ x = \! 8 \ , \ y = \! 35 \ , \ v = \! 160 \end{array}$

$35\mathrm{x}12$		
14x28		26x28

$$\begin{array}{l} w = 26 \ , \ h = 28 \ , \ x = 14 \ , \ y = 0 \ , \ v = 728 \\ w = 14 \ , \ h = 28 \ , \ x = 0 \ , \ y = 0 \ , \ v = 392 \end{array}$$

$$w = 35$$
, $h = 12$, $x = 5$, $y = 28$, $v = 420$

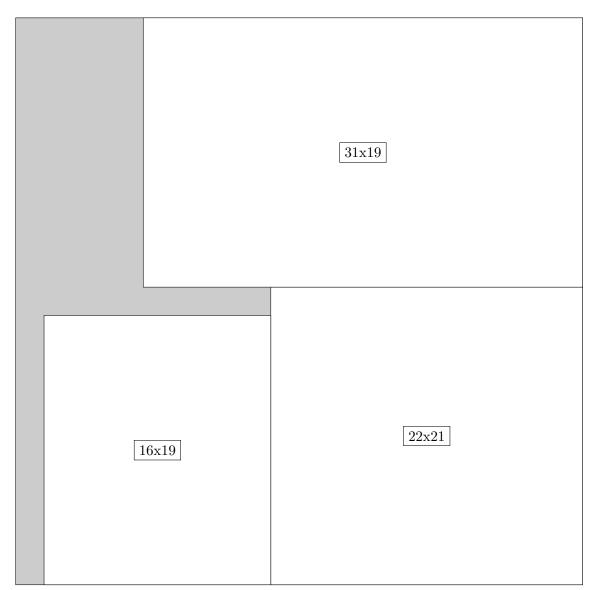


$$\le 29$$
 , $h = \!\! 30$, $x = \!\! 11$, $y = \!\! 0$, $v = \!\! 870$

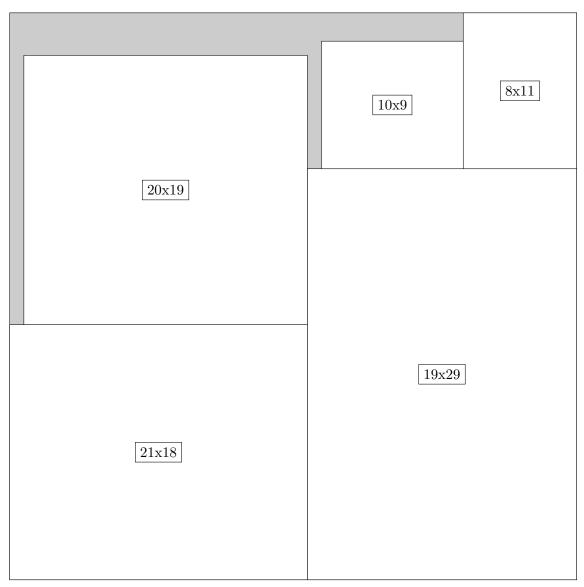
$$\le =11$$
 , h =3 , x =0 , y =0 , v =33

$$\le =10$$
 , h =27 , x =1 , y =3 , v =270

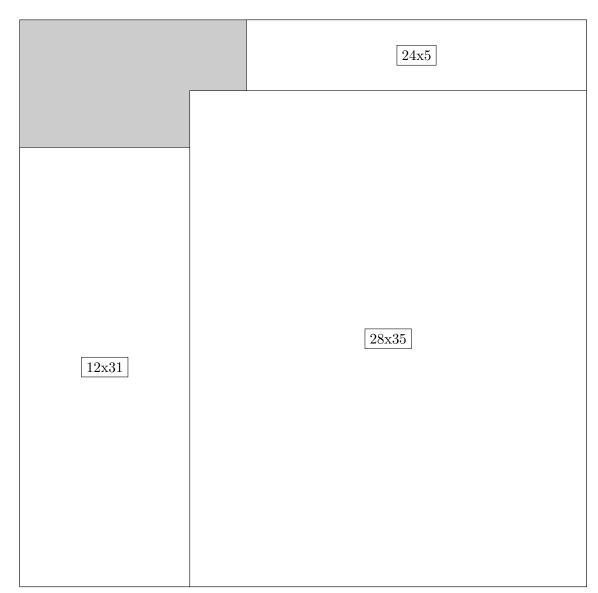
$$\mathbf{w}$$
 =30 , h =6 , x =10 , y =30 , v =180



$$\begin{array}{l} w = 22 \; , \; h = 21 \; , \; x = 18 \; , \; y = 0 \; , \; v = 462 \\ w = 16 \; , \; h = 19 \; , \; x = 2 \; , \; y = 0 \; , \; v = 304 \\ w = 31 \; , \; h = 19 \; , \; x = 9 \; , \; y = 21 \; , \; v = 589 \end{array}$$

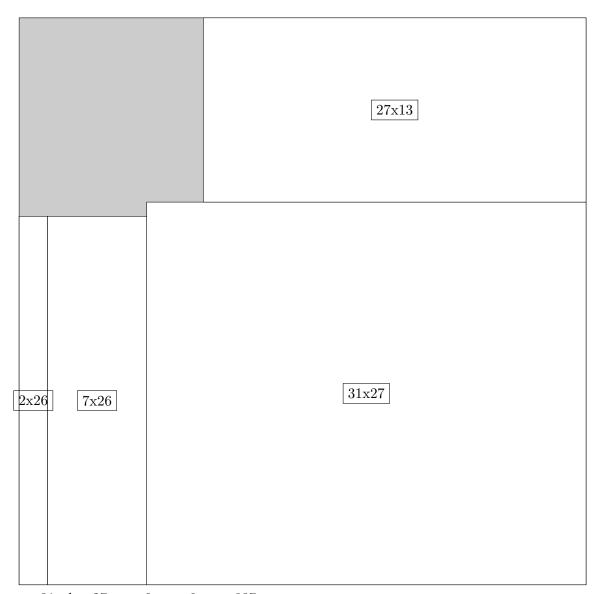


$$\begin{array}{l} w = 19 \; , \, h = 29 \; , \, x = 21 \; , \, y = 0 \; , \, v = 551 \\ w = 8 \; , \, h = 11 \; , \, x = 32 \; , \, y = 29 \; , \, v = 88 \\ w = 10 \; , \, h = 9 \; , \, x = 22 \; , \, y = 29 \; , \, v = 90 \\ w = 21 \; , \, h = 18 \; , \, x = 0 \; , \, y = 0 \; , \, v = 378 \\ w = 20 \; , \, h = 19 \; , \, x = 1 \; , \, y = 18 \; , \, v = 380 \end{array}$$



$$\begin{array}{l} w = 28 \ , \ h = \!\! 35 \ , \ x = \!\! 12 \ , \ y = \!\! 0 \ , \ v = \!\! 980 \\ w = \!\! 12 \ , \ h = \!\! 31 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 372 \end{array}$$

$$\le =24$$
 , h =5 , x =16 , y =35 , v =120



 $\begin{array}{l} w = & 31 \ , \ h = & 27 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 837 \\ w = & 27 \ , \ h = & 13 \ , \ x = & 13 \ , \ y = & 27 \ , \ v = & 351 \\ w = & 7 \ , \ h = & 26 \ , \ x = & 2 \ , \ y = & 0 \ , \ v = & 182 \\ w = & 2 \ , \ h = & 26 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 52 \end{array}$

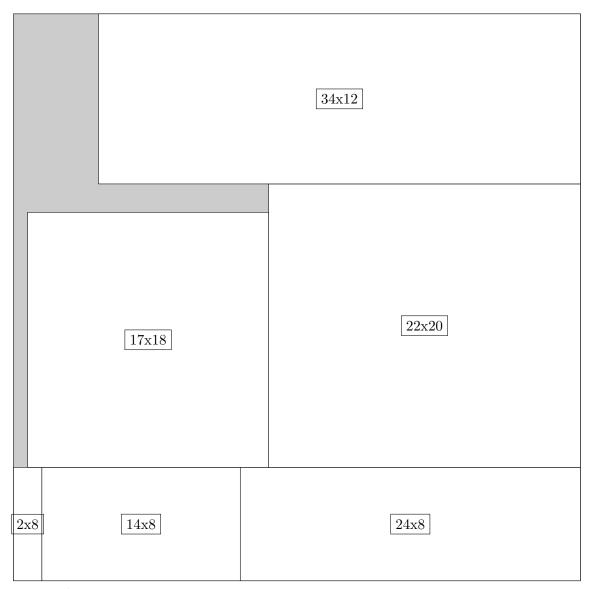
21x6	18x13
22x31	18x27
	10.8.2.1

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

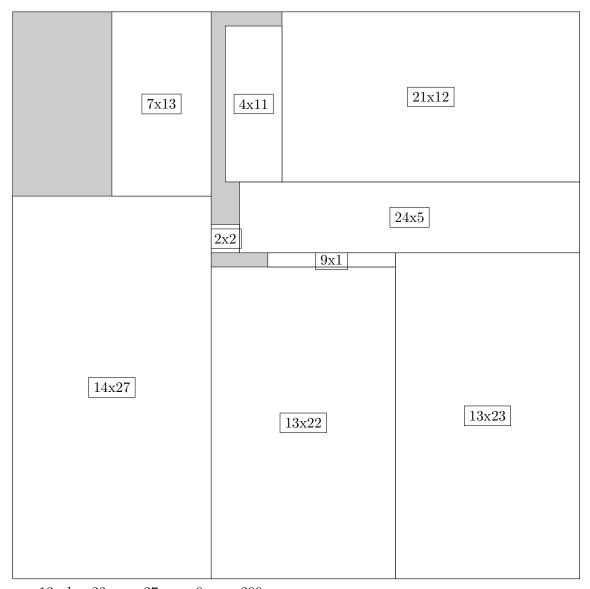
$$w=\!18$$
 , $h=\!13$, $x=\!22$, $y=\!27$, $v=\!234$

$$\le =22$$
 , h =31 , x =0 , y =0 , v =682

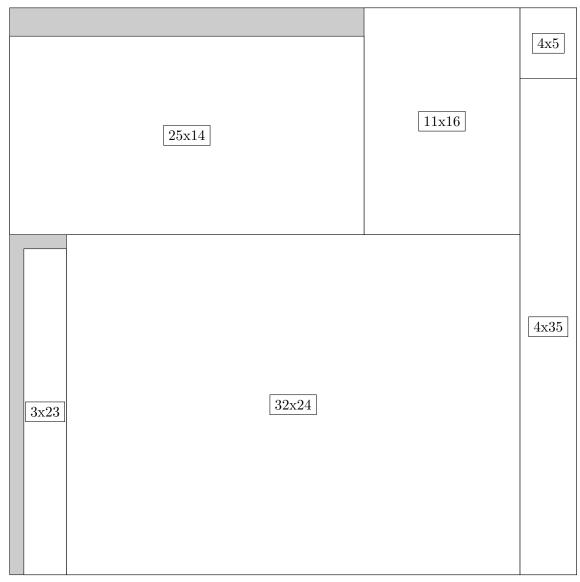
$$\le =21$$
 , h =6 , x =1 , y =31 , v =126



$$\begin{array}{l} w=24\;,\; h=8\;,\; x=16\;,\; y=0\;,\; v=192\\ w=14\;,\; h=8\;,\; x=2\;,\; y=0\;,\; v=112\\ w=2\;,\; h=8\;,\; x=0\;,\; y=0\;,\; v=16\\ w=22\;,\; h=20\;,\; x=18\;,\; y=8\;,\; v=440\\ w=17\;,\; h=18\;,\; x=1\;,\; y=8\;,\; v=306\\ w=34\;,\; h=12\;,\; x=6\;,\; y=28\;,\; v=408 \end{array}$$



 $\begin{array}{l} w=13\;,\; h=23\;,\; x=27\;,\; y=0\;,\; v=299\\ w=13\;,\; h=22\;,\; x=14\;,\; y=0\;,\; v=286\\ w=9\;,\; h=1\;,\; x=18\;,\; y=22\;,\; v=9\\ w=24\;,\; h=5\;,\; x=16\;,\; y=23\;,\; v=120\\ w=2\;,\; h=2\;,\; x=14\;,\; y=23\;,\; v=4\\ w=21\;,\; h=12\;,\; x=19\;,\; y=28\;,\; v=252\\ w=4\;,\; h=11\;,\; x=15\;,\; y=28\;,\; v=44\\ w=14\;,\; h=27\;,\; x=0\;,\; y=0\;,\; v=378\\ w=7\;,\; h=13\;,\; x=7\;,\; y=27\;,\; v=91\\ \end{array}$



w = 4, h = 35, x = 36, y = 0, v = 140

w =4, h =5, x =36, y =35, v =20

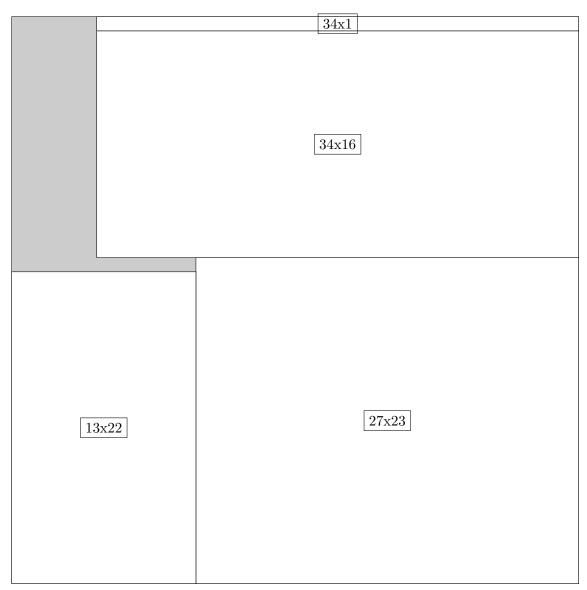
 $\le =32$, h =24 , x =4 , y =0 , v =768

 $\begin{array}{l} w = \! 3 \ , \ h = \! 23 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 69 \\ w = \! 11 \ , \ h = \! 16 \ , \ x = \! 25 \ , \ y = \! 24 \ , \ v = \! 176 \end{array}$

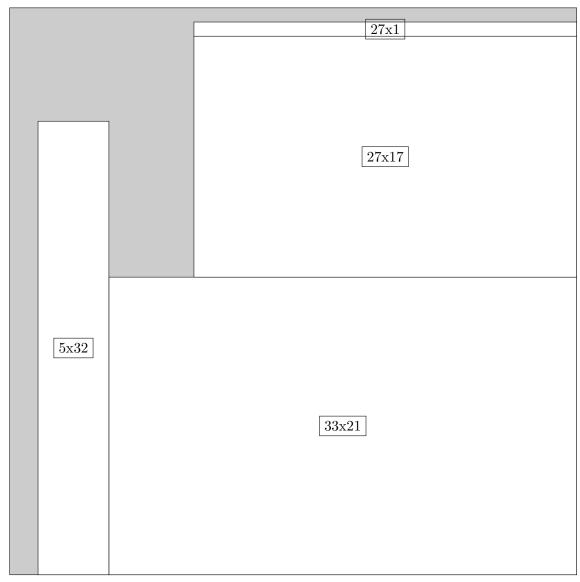
w = 25, h = 14, x = 0, y = 24, v = 350

9x3 9x12	$\fbox{10x15}$	[19x14]
19x25		20x25

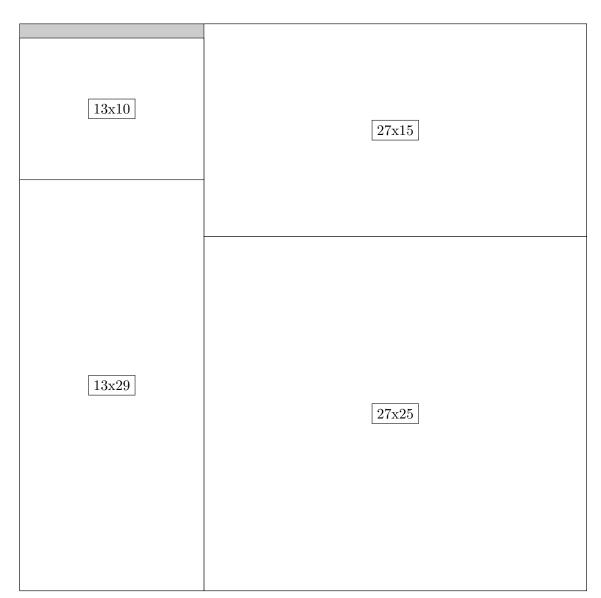
$$\begin{array}{l} w=20 \ , \ h=25 \ , \ x=20 \ , \ y=0 \ , \ v=500 \\ w=19 \ , \ h=14 \ , \ x=21 \ , \ y=25 \ , \ v=266 \\ w=19 \ , \ h=25 \ , \ x=1 \ , \ y=0 \ , \ v=475 \\ w=10 \ , \ h=15 \ , \ x=10 \ , \ y=25 \ , \ v=150 \\ w=9 \ , \ h=12 \ , \ x=1 \ , \ y=25 \ , \ v=108 \\ w=9 \ , \ h=3 \ , \ x=1 \ , \ y=37 \ , \ v=27 \end{array}$$



$$\begin{array}{l} w = 27 \ , \ h = 23 \ , \ x = 13 \ , \ y = 0 \ , \ v = 621 \\ w = 13 \ , \ h = 22 \ , \ x = 0 \ , \ y = 0 \ , \ v = 286 \\ w = 34 \ , \ h = 16 \ , \ x = 6 \ , \ y = 23 \ , \ v = 544 \\ w = 34 \ , \ h = 1 \ , \ x = 6 \ , \ y = 39 \ , \ v = 34 \end{array}$$



 $\begin{array}{l} w = & 33 \ , \ h = & 21 \ , \ x = & 7 \ , \ y = & 0 \ , \ v = & 693 \\ w = & 27 \ , \ h = & 17 \ , \ x = & 13 \ , \ y = & 21 \ , \ v = & 459 \\ w = & 27 \ , \ h = & 1 \ , \ x = & 13 \ , \ y = & 38 \ , \ v = & 27 \\ w = & 5 \ , \ h = & 32 \ , \ x = & 2 \ , \ y = & 0 \ , \ v = & 160 \end{array}$

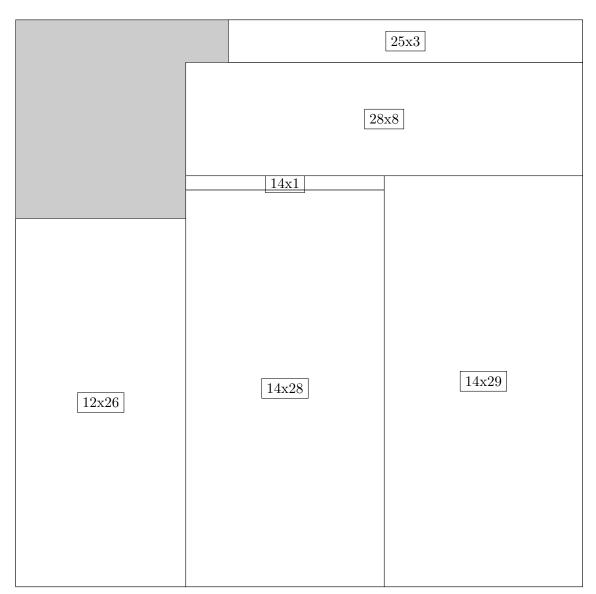


$$w = 27$$
, $h = 25$, $x = 13$, $y = 0$, $v = 675$

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

$$\mathbf{w}$$
 =13 , h =29 , x =0 , y =0 , v =377

$$\le =13$$
 , h =10 , x =0 , y =29 , v =130



$$w = 14$$
, $h = 29$, $x = 26$, $y = 0$, $v = 406$

$$\begin{array}{l} w = \! 14 \ , \ h = \! 28 \ , \ x = \! 12 \ , \ y = \! 0 \ , \ v = \! 392 \\ w = \! 14 \ , \ h = \! 1 \ , \ x = \! 12 \ , \ y = \! 28 \ , \ v = \! 14 \end{array}$$

$$w = 12$$
, $h = 26$, $x = 0$, $y = 0$, $v = 312$

$$\le =28$$
 , h =8 , x =12 , y =29 , v =224

$$w=25$$
 , $h=3$, $x=15$, $y=37$, $v=75$