${\bf ClassName:}\ {\bf Class_03.2bp\text{-}33}$

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

TypeNum: <u>78</u>
Num: <u>80</u>
OutS: <u>28800</u>
InS: <u>26128</u>
Rate: <u>0.907</u>
UB: <u>18</u>
LB0: <u>18</u>
LB: <u>18</u>

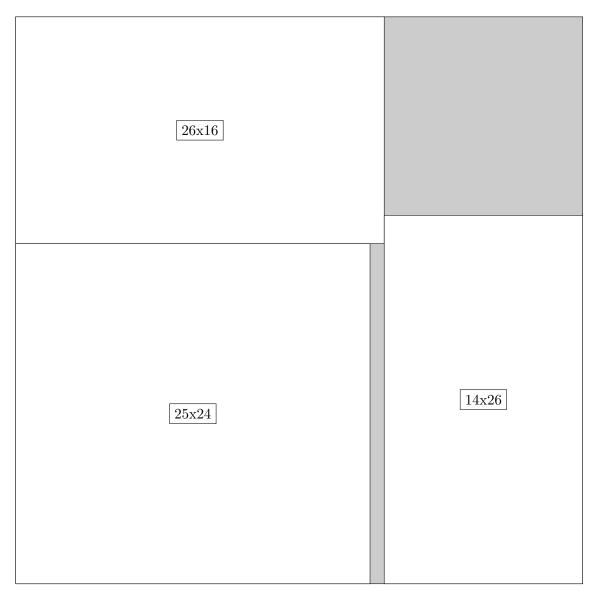
LBWithCut: $\underline{\mathbf{18}}$ NodeCut: $\underline{\mathbf{0}}$

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

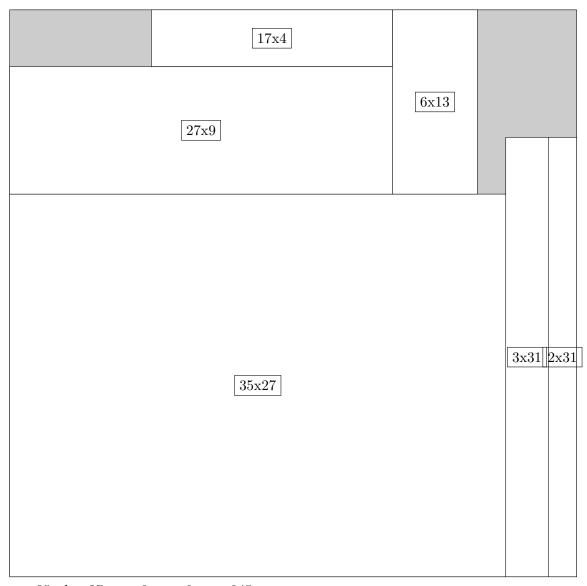
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{18}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

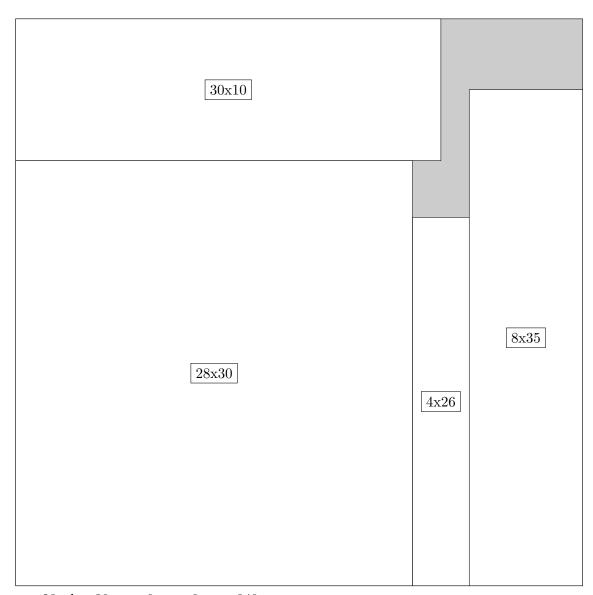
TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.078 \text{ s}}$ TotalTime: $\underline{0.140 \text{ s}}$



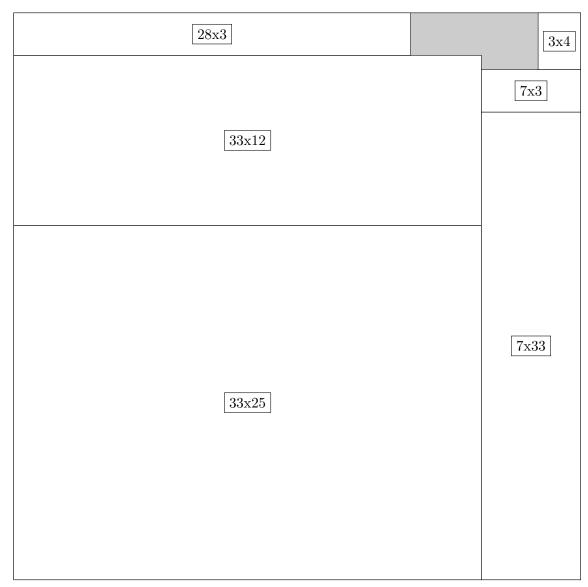
$$\begin{array}{l} w = 25 \ , \ h = 24 \ , \ x = 0 \ , \ y = 0 \ , \ v = 600 \\ w = 26 \ , \ h = 16 \ , \ x = 0 \ , \ y = 24 \ , \ v = 416 \\ w = 14 \ , \ h = 26 \ , \ x = 26 \ , \ y = 0 \ , \ v = 364 \end{array}$$



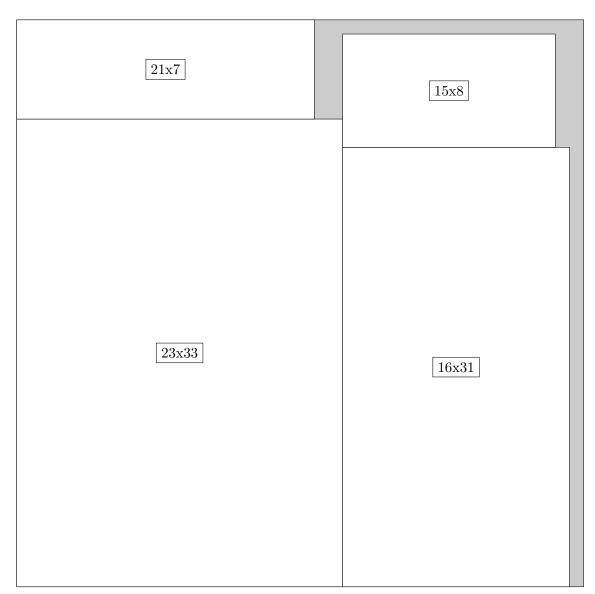
$$\begin{array}{l} w = & 35 \ , \ h = & 27 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 945 \\ w = & 27 \ , \ h = & 9 \ , \ x = & 0 \ , \ y = & 27 \ , \ v = & 243 \\ w = & 3 \ , \ h = & 31 \ , \ x = & 35 \ , \ y = & 0 \ , \ v = & 93 \\ w = & 6 \ , \ h = & 13 \ , \ x = & 27 \ , \ y = & 27 \ , \ v = & 78 \\ w = & 17 \ , \ h = & 4 \ , \ x = & 10 \ , \ y = & 36 \ , \ v = & 68 \\ w = & 2 \ , \ h = & 31 \ , \ x = & 38 \ , \ y = & 0 \ , \ v = & 62 \end{array}$$



 $\begin{array}{l} w = 28 \ , \ h = 30 \ , \ x = 0 \ , \ y = 0 \ , \ v = 840 \\ w = 30 \ , \ h = 10 \ , \ x = 0 \ , \ y = 30 \ , \ v = 300 \\ w = 8 \ , \ h = 35 \ , \ x = 32 \ , \ y = 0 \ , \ v = 280 \\ w = 4 \ , \ h = 26 \ , \ x = 28 \ , \ y = 0 \ , \ v = 104 \end{array}$



$$\begin{array}{l} w = 33 \; , \; h = 25 \; , \; x = 0 \; , \; y = 0 \; , \; v = 825 \\ w = 33 \; , \; h = 12 \; , \; x = 0 \; , \; y = 25 \; , \; v = 396 \\ w = 7 \; , \; h = 33 \; , \; x = 33 \; , \; y = 0 \; , \; v = 231 \\ w = 28 \; , \; h = 3 \; , \; x = 0 \; , \; y = 37 \; , \; v = 84 \\ w = 7 \; , \; h = 3 \; , \; x = 33 \; , \; y = 33 \; , \; v = 21 \\ w = 3 \; , \; h = 4 \; , \; x = 37 \; , \; y = 36 \; , \; v = 12 \end{array}$$

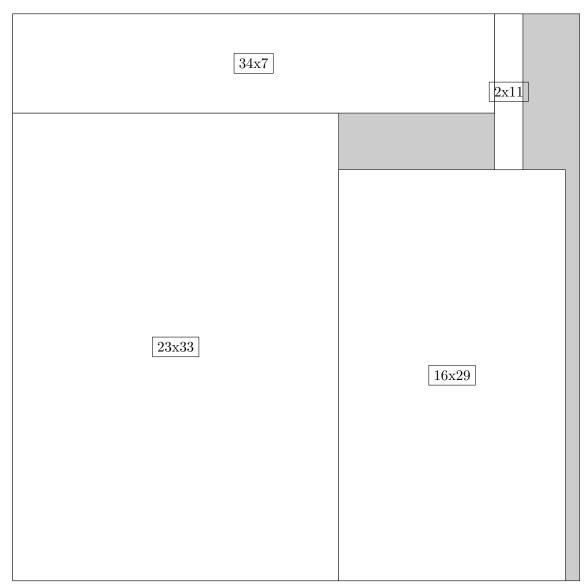


$$\begin{array}{l} w = \! 23 \ , \ h = \! 33 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 759 \\ w = \! 16 \ , \ h = \! 31 \ , \ x = \! 23 \ , \ y = \! 0 \ , \ v = \! 496 \end{array}$$

$$w = 21$$
, $h = 7$, $x = 0$, $y = 33$, $v = 147$

$$w = 21$$
, $h = 7$, $x = 0$, $y = 33$, $v = 147$

$$\mathbf{w}$$
 =15 , h =8 , x =23 , y =31 , v =120



$$\begin{array}{l} w=23 \ , \ h=33 \ , \ x=0 \ , \ y=0 \ , \ v=759 \\ w=16 \ , \ h=29 \ , \ x=23 \ , \ y=0 \ , \ v=464 \\ w=34 \ , \ h=7 \ , \ x=0 \ , \ y=33 \ , \ v=238 \\ w=2 \ , \ h=11 \ , \ x=34 \ , \ y=29 \ , \ v=22 \end{array}$$

33x4 23x2 26x1 14x3526x29

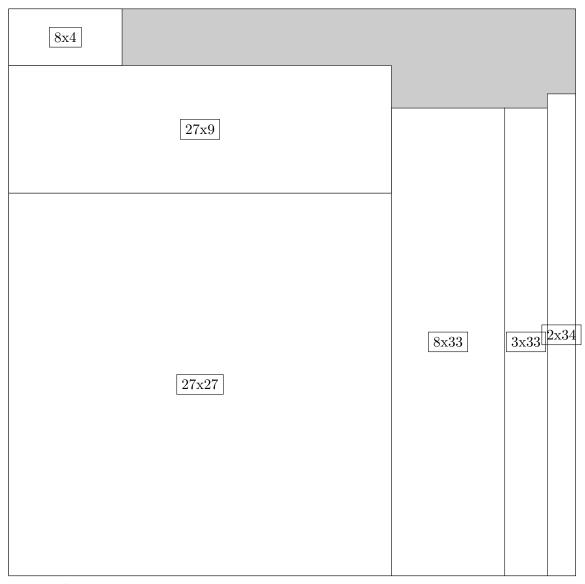
$$\le =26$$
 , $h=29$, $x=0$, $y=0$, $v=754$

$$\le =14$$
 , $= 35$, $= 26$, $y = 0$, $v = 490$

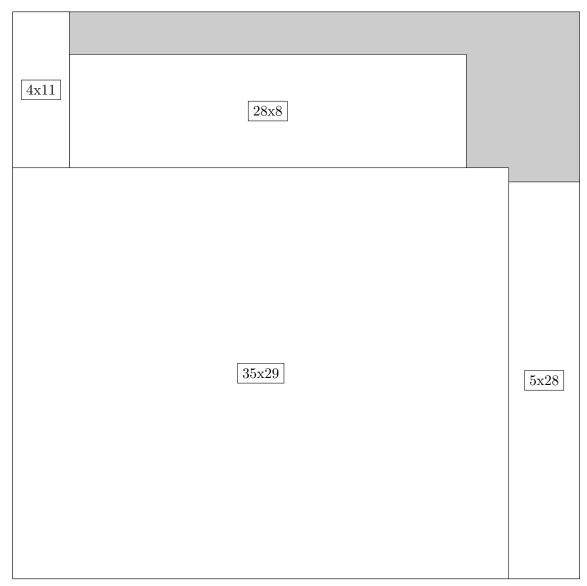
$$\le =33$$
 , h =4 , x =7 , y =35 , v =132

$$\le =23$$
 , $h=2$, $x=0$, $y=30$, $v=46$

$$\mathbf{w}=\!26$$
 , $\mathbf{h}=\!1$, $\mathbf{x}=\!0$, $\mathbf{y}=\!29$, $\mathbf{v}=\!26$



$$\begin{array}{l} w=27\;,\; h=27\;,\; x=0\;,\; y=0\;,\; v=729\\ w=8\;,\; h=33\;,\; x=27\;,\; y=0\;,\; v=264\\ w=27\;,\; h=9\;,\; x=0\;,\; y=27\;,\; v=243\\ w=3\;,\; h=33\;,\; x=35\;,\; y=0\;,\; v=99\\ w=2\;,\; h=34\;,\; x=38\;,\; y=0\;,\; v=68\\ w=8\;,\; h=4\;,\; x=0\;,\; y=36\;,\; v=32 \end{array}$$

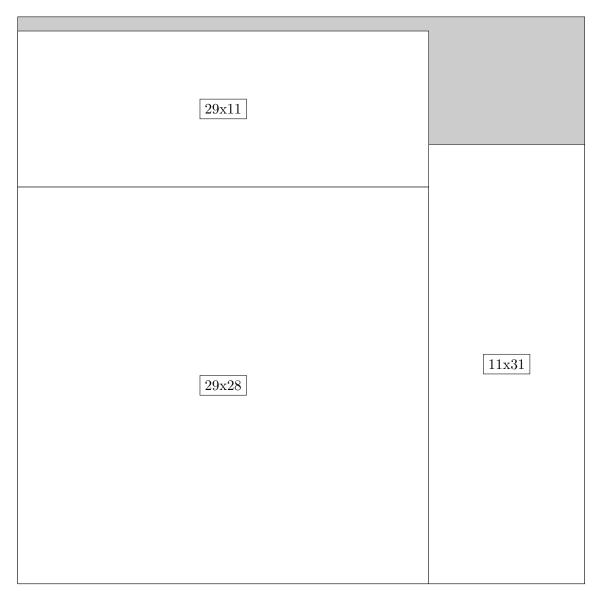


$$\le 35$$
 , ≤ 29 , ≥ 29 , ≥ 20 , \ge

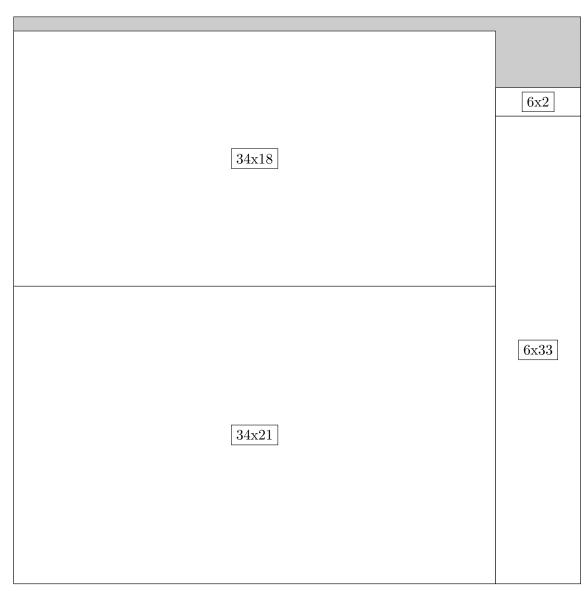
$$w = 28$$
, $h = 8$, $x = 4$, $y = 29$, $v = 224$

$$\le 5$$
 , h =
28 , x =
35 , y =
0 , v =
140

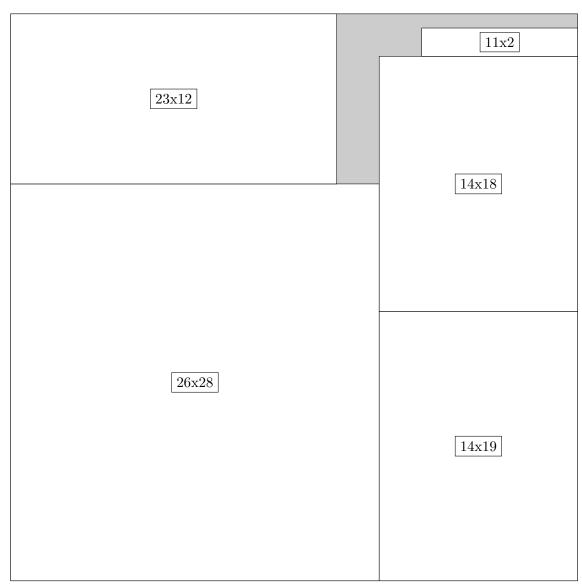
$$\mathbf{w}$$
 =4 , h =11 , x =0 , y =29 , v =44



$$\begin{array}{l} w = 29 \ , \ h = 28 \ , \ x = 0 \ , \ y = 0 \ , \ v = 812 \\ w = 11 \ , \ h = 31 \ , \ x = 29 \ , \ y = 0 \ , \ v = 341 \\ w = 29 \ , \ h = 11 \ , \ x = 0 \ , \ y = 28 \ , \ v = 319 \end{array}$$



 $\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 21 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 714 \\ w = \!\! 34 \ , \ h = \!\! 18 \ , \ x = \!\! 0 \ , \ y = \!\! 21 \ , \ v = \!\! 612 \\ w = \!\! 6 \ , \ h = \!\! 33 \ , \ x = \!\! 34 \ , \ y = \!\! 0 \ , \ v = \!\! 198 \\ w = \!\! 6 \ , \ h = \!\! 2 \ , \ x = \!\! 34 \ , \ y = \!\! 33 \ , \ v = \!\! 12 \end{array}$



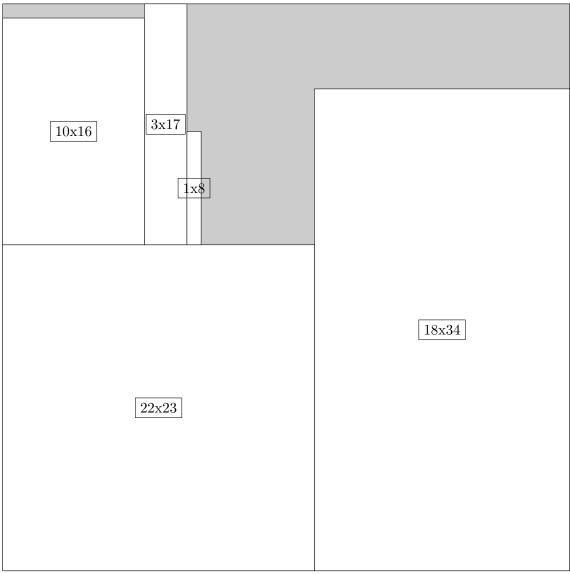
$$w = 26$$
, $h = 28$, $x = 0$, $y = 0$, $v = 728$

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

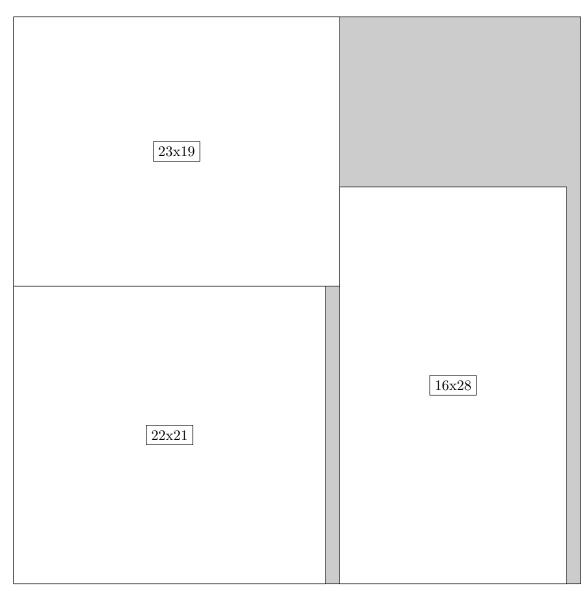
$$\le =14$$
 , h =19 , x =26 , y =0 , v =266

$$\le =14$$
 , h =18 , x =26 , y =19 , v =252

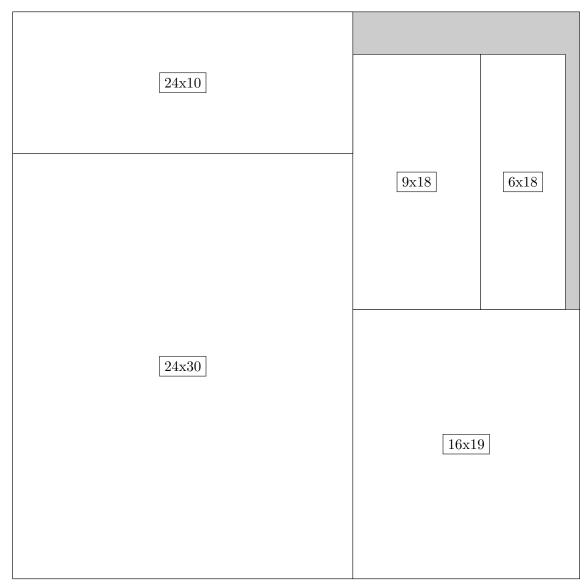
$$\le =11$$
 , h =2 , x =29 , y =37 , v =22



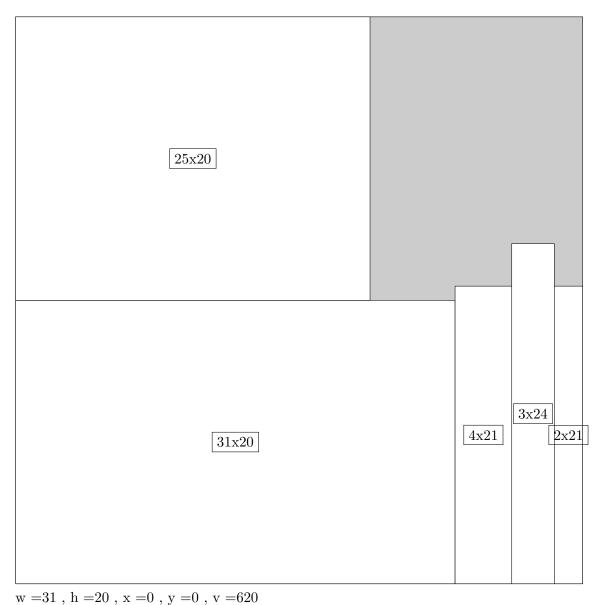
 $\begin{array}{l} w = \! 18 \; , \; h = \! 34 \; , \; x = \! 22 \; , \; y = \! 0 \; , \; v = \! 612 \\ w = \! 22 \; , \; h = \! 23 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 506 \\ w = \! 10 \; , \; h = \! 16 \; , \; x = \! 0 \; , \; y = \! 23 \; , \; v = \! 160 \\ w = \! 3 \; , \; h = \! 17 \; , \; x = \! 10 \; , \; y = \! 23 \; , \; v = \! 51 \\ w = \! 1 \; , \; h = \! 8 \; , \; x = \! 13 \; , \; y = \! 23 \; , \; v = \! 8 \end{array}$



$$\begin{array}{l} w = 22 \; , \; h = 21 \; , \; x = 0 \; , \; y = 0 \; , \; v = 462 \\ w = 23 \; , \; h = 19 \; , \; x = 0 \; , \; y = 21 \; , \; v = 437 \\ w = 16 \; , \; h = 28 \; , \; x = 23 \; , \; y = 0 \; , \; v = 448 \end{array}$$



 $\begin{array}{l} w = 24 \; , \; h = 30 \; , \; x = 0 \; , \; y = 0 \; , \; v = 720 \\ w = 16 \; , \; h = 19 \; , \; x = 24 \; , \; y = 0 \; , \; v = 304 \\ w = 9 \; , \; h = 18 \; , \; x = 24 \; , \; y = 19 \; , \; v = 162 \\ w = 6 \; , \; h = 18 \; , \; x = 33 \; , \; y = 19 \; , \; v = 108 \\ w = 24 \; , \; h = 10 \; , \; x = 0 \; , \; y = 30 \; , \; v = 240 \end{array}$



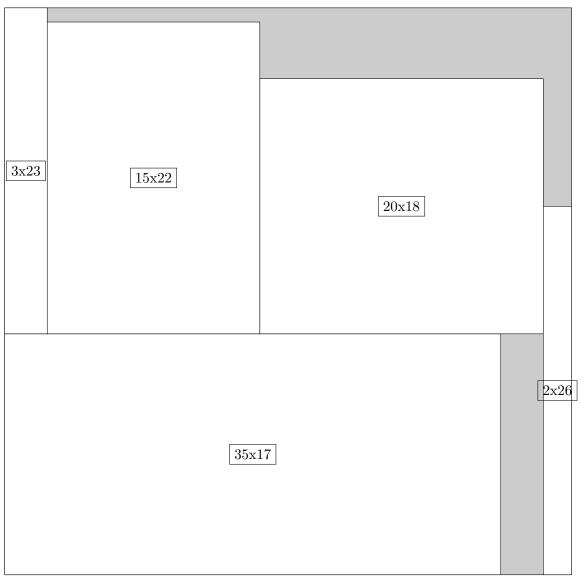
w =25, h =20, x =0, y =0, v =500 w =25, h =20, x =0, y =20, v =500 w =4, h =21, x =31, y =0, v =84

 \mathbf{w} =3 , h =24 , x =35 , y =0 , v =72

w = 2, h = 21, x = 38, y = 0, v = 42

19x8	
20x31	19x31

$$\begin{array}{l} w = 20 \ , \ h = 31 \ , \ x = 0 \ , \ y = 0 \ , \ v = 620 \\ w = 19 \ , \ h = 31 \ , \ x = 20 \ , \ y = 0 \ , \ v = 589 \\ w = 19 \ , \ h = 8 \ , \ x = 0 \ , \ y = 31 \ , \ v = 152 \end{array}$$



w = 35, h = 17, x = 0, y = 0, v = 595

 $\le =20$, h=18 , x=18 , y=17 , v=360

 $\le =15$, h =22 , x =3 , y =17 , v =330

 $\le =3$, h =23 , x =0 , y =17 , v =69

w = 2, h = 26, x = 38, y = 0, v = 52