$ClassName: \ Class_03.2bp\text{-}42$

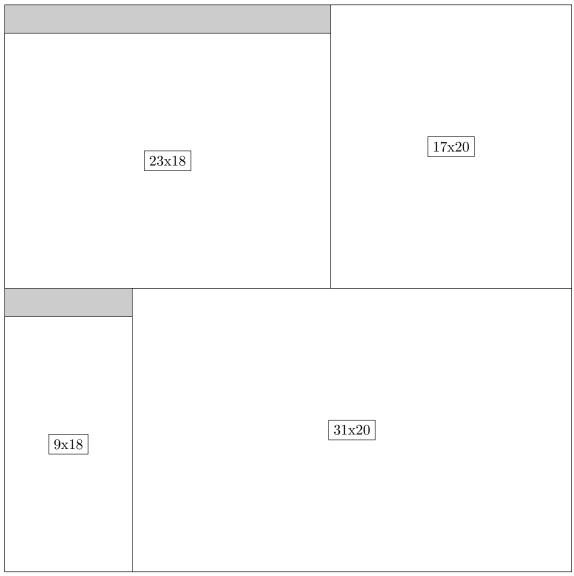
BinSize: $\underline{40} \times \underline{40}$ ReduceSize: $\underline{40} \times \underline{40}$

TypeNum: <u>97</u> Num: <u>100</u> OutS: <u>30400</u> InS: <u>28224</u> Rate: <u>0.928</u> UB: <u>19</u> LB: <u>19</u>

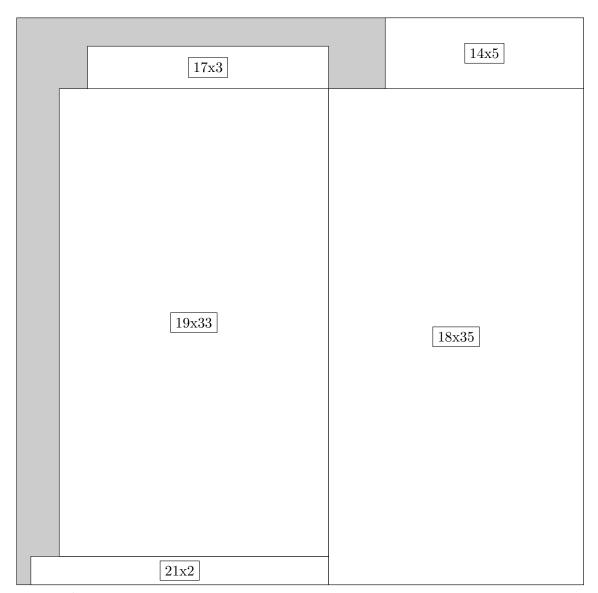
LBWithCut: $\underline{\mathbf{19}}$ NodeCount: $\underline{\mathbf{0}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{19}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

 $\begin{array}{ll} \text{TimeOnPrimal: } \underline{0.000 \text{ s}} \\ \text{TimeOnPricing: } \underline{0.000 \text{ s}} \\ \text{TimeOnRmp: } \underline{0.068 \text{ s}} \\ \text{TotalTime: } \underline{0.238 \text{ s}} \end{array}$



$$\begin{array}{l} w = & 31 \ , \ h = & 20 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 620 \\ w = & 9 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 162 \\ w = & 17 \ , \ h = & 20 \ , \ x = & 23 \ , \ y = & 20 \ , \ v = & 340 \\ w = & 23 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 20 \ , \ v = & 414 \end{array}$$



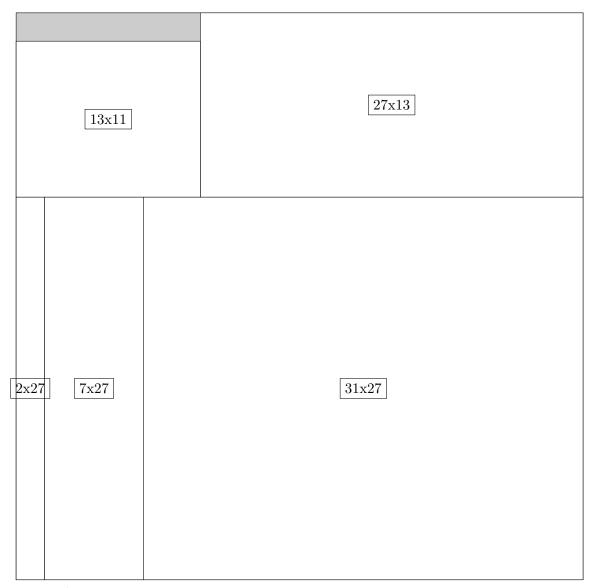
$$\le =18$$
 , h =35 , x =22 , y =0 , v =630

$$\le =14$$
 , h =5 , x =26 , y =35 , v =70

$$\mathbf{w}$$
 =21 , h =2 , x =1 , y =0 , v =42

$$\le =19$$
 , h =33 , x =3 , y =2 , v =627

$$w$$
 =17 , h =3 , x =5 , y =35 , v =51



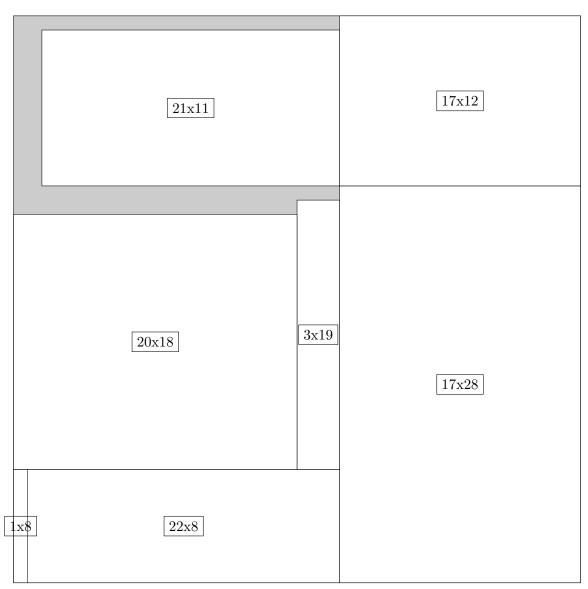
$$\le 31$$
 , ≤ 27 , ≥ 9 , ≥ 0 , ≤ 837

$$\mathbf{w}$$
 =7 , h =27 , x =2 , y =0 , v =189

$$\mathbf{w}$$
 =2 , h =27 , x =0 , y =0 , v =54

$$\le =27$$
 , h =13 , x =13 , y =27 , v =351

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



$$w = 17$$
, $h = 28$, $x = 23$, $y = 0$, $v = 476$

$$\le =22$$
 , h =8 , x =1 , y =0 , v =176

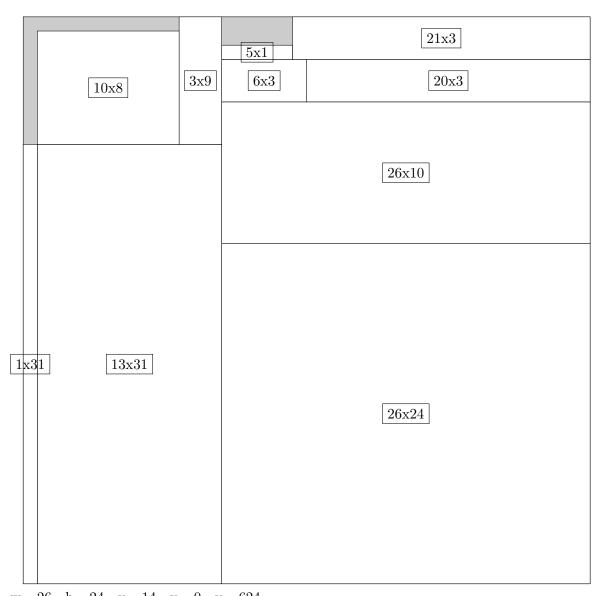
$$\mathbf{w}$$
 =1 , h =8 , x =0 , y =0 , v =8

$$\le =3$$
 , h =19 , x =20 , y =8 , v =57

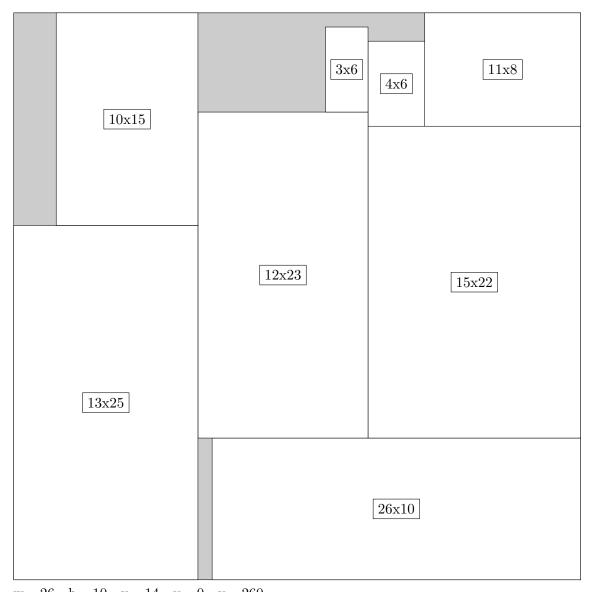
$$\le =20$$
 , $h=18$, $x=0$, $y=8$, $v=360$

$$w = 17$$
, $h = 12$, $x = 23$, $y = 28$, $v = 204$

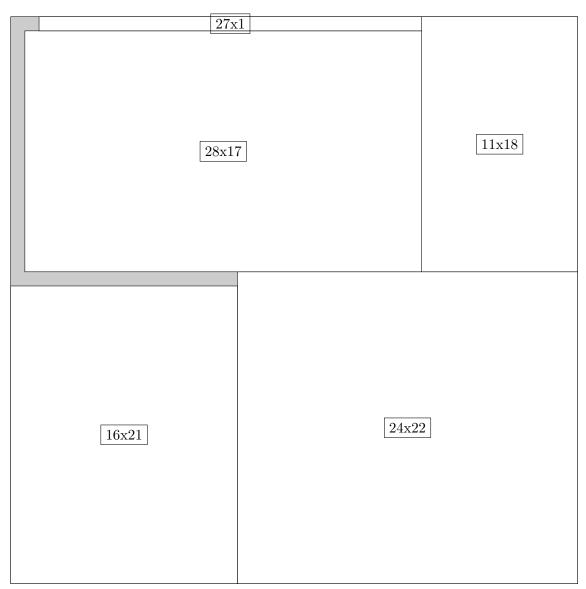
$$\mathbf{w}$$
 =21 , h =11 , x =2 , y =28 , v =231



$$\begin{array}{l} w=26\;,\; h=24\;,\; x=14\;,\; y=0\;,\; v=624\\ w=26\;,\; h=10\;,\; x=14\;,\; y=24\;,\; v=260\\ w=20\;,\; h=3\;,\; x=20\;,\; y=34\;,\; v=60\\ w=6\;,\; h=3\;,\; x=14\;,\; y=34\;,\; v=18\\ w=21\;,\; h=3\;,\; x=19\;,\; y=37\;,\; v=63\\ w=5\;,\; h=1\;,\; x=14\;,\; y=37\;,\; v=5\\ w=13\;,\; h=31\;,\; x=1\;,\; y=0\;,\; v=403\\ w=1\;,\; h=31\;,\; x=0\;,\; y=0\;,\; v=31\\ w=3\;,\; h=9\;,\; x=11\;,\; y=31\;,\; v=27\\ w=10\;,\; h=8\;,\; x=1\;,\; y=31\;,\; v=80\\ \end{array}$$



$$\begin{array}{l} w=26\;,\; h=10\;,\; x=14\;,\; y=0\;,\; v=260\\ w=15\;,\; h=22\;,\; x=25\;,\; y=10\;,\; v=330\\ w=11\;,\; h=8\;,\; x=29\;,\; y=32\;,\; v=88\\ w=4\;,\; h=6\;,\; x=25\;,\; y=32\;,\; v=24\\ w=12\;,\; h=23\;,\; x=13\;,\; y=10\;,\; v=276\\ w=3\;,\; h=6\;,\; x=22\;,\; y=33\;,\; v=18\\ w=13\;,\; h=25\;,\; x=0\;,\; y=0\;,\; v=325\\ w=10\;,\; h=15\;,\; x=3\;,\; y=25\;,\; v=150\\ \end{array}$$



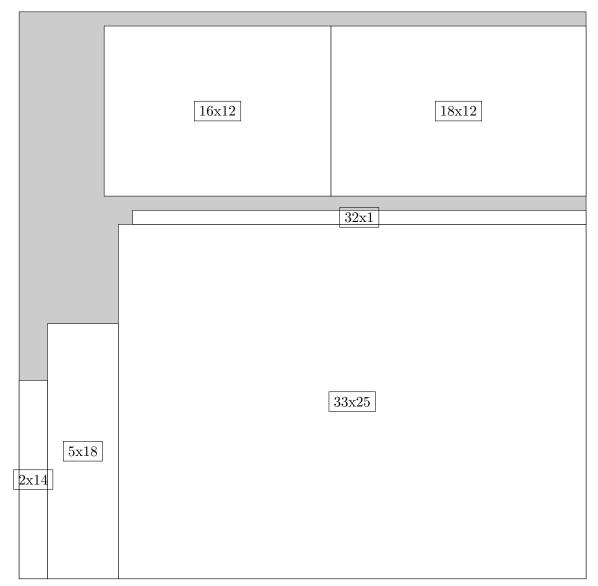
$$\le =24$$
 , h =22 , x =16 , y =0 , v =528

$$w = 16$$
, $h = 21$, $x = 0$, $y = 0$, $v = 336$

$$\le =11$$
 , h =18 , x =29 , y =22 , v =198

$$\le =28$$
 , h =17 , x =1 , y =22 , v =476

$$\le =27$$
 , h =1 , x =2 , y =39 , v =27



$$w = 33$$
, $h = 25$, $x = 7$, $y = 0$, $v = 825$

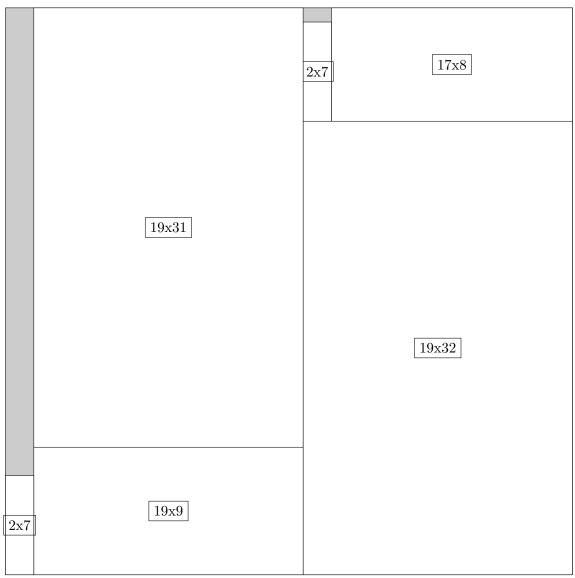
$$\le =32$$
 , h =1 , x =8 , y =25 , v =32

$$\mathbf{w}$$
 =5 , h =18 , x =2 , y =0 , v =90

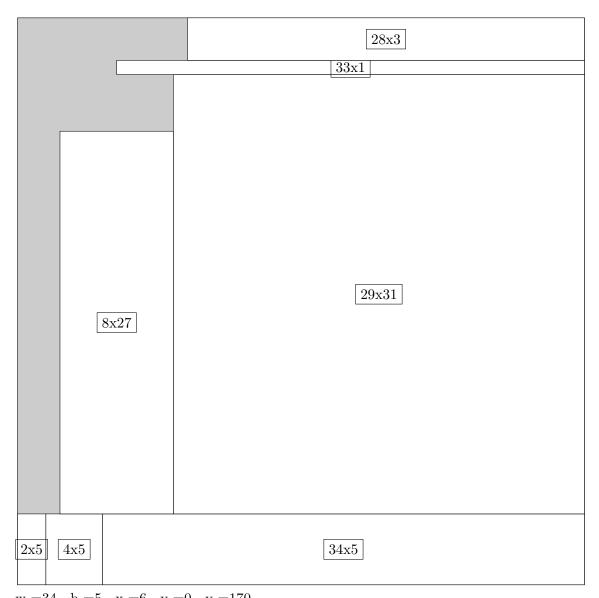
$$\mathbf{w}$$
 =2 , h =14 , x =0 , y =0 , v =28

$$\mathbf{w}$$
 =18 , h =12 , x =22 , y =27 , v =216

$$\mathbf{w}$$
 =16 , \mathbf{h} =12 , \mathbf{x} =6 , \mathbf{y} =27 , \mathbf{v} =192

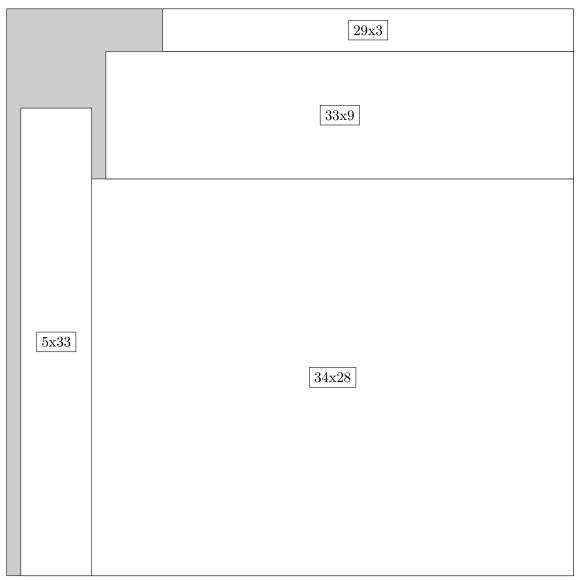


 $\begin{array}{l} w=19\;,\; h=32\;,\; x=21\;,\; y=0\;,\; v=608\\ w=17\;,\; h=8\;,\; x=23\;,\; y=32\;,\; v=136\\ w=2\;,\; h=7\;,\; x=21\;,\; y=32\;,\; v=14\\ w=19\;,\; h=9\;,\; x=2\;,\; y=0\;,\; v=171\\ w=2\;,\; h=7\;,\; x=0\;,\; y=0\;,\; v=14\\ w=19\;,\; h=31\;,\; x=2\;,\; y=9\;,\; v=589 \end{array}$

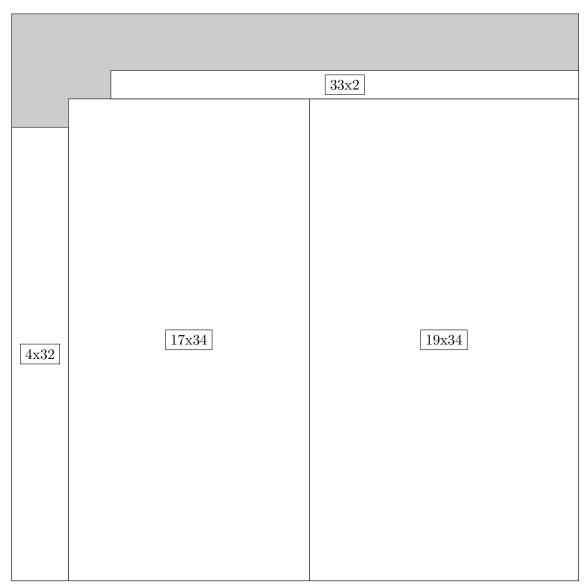


$$\begin{array}{l} w = 34 \; , \; h = 5 \; , \; x = 6 \; , \; y = 0 \; , \; v = 170 \\ w = 4 \; , \; h = 5 \; , \; x = 2 \; , \; y = 0 \; , \; v = 20 \\ w = 2 \; , \; h = 5 \; , \; x = 0 \; , \; y = 0 \; , \; v = 10 \\ w = 29 \; , \; h = 31 \; , \; x = 11 \; , \; y = 5 \; , \; v = 899 \\ w = 8 \; , \; h = 27 \; , \; x = 3 \; , \; y = 5 \; , \; v = 216 \\ w = 33 \; , \; h = 1 \; , \; x = 7 \; , \; y = 36 \; , \; v = 33 \end{array}$$

 $\le =28$, h =3 , x =12 , y =37 , v =84



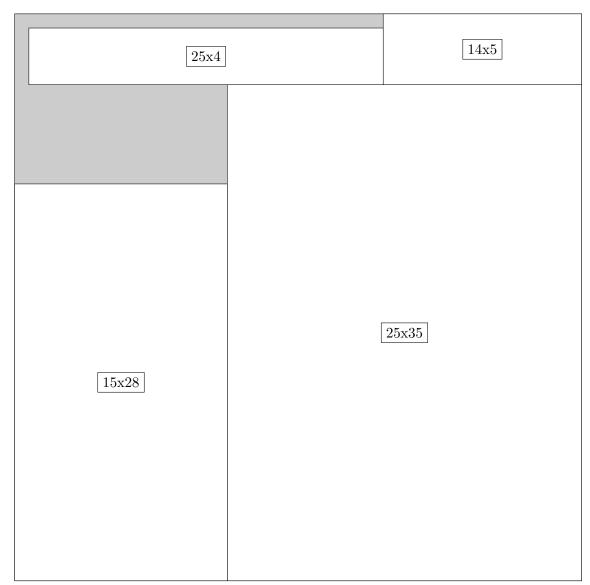
 $\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 28 \ , \ x = \!\! 6 \ , \ y = \!\! 0 \ , \ v = \!\! 952 \\ w = \!\! 33 \ , \ h = \!\! 9 \ , \ x = \!\! 7 \ , \ y = \!\! 28 \ , \ v = \!\! 297 \\ w = \!\! 29 \ , \ h = \!\! 3 \ , \ x = \!\! 11 \ , \ y = \!\! 37 \ , \ v = \!\! 87 \\ w = \!\! 5 \ , \ h = \!\! 33 \ , \ x = \!\! 1 \ , \ y = \!\! 0 \ , \ v = \!\! 165 \end{array}$



 $\begin{array}{l} w = & 19 \ , \ h = & 34 \ , \ x = & 21 \ , \ y = & 0 \ , \ v = & 646 \\ w = & 17 \ , \ h = & 34 \ , \ x = & 4 \ , \ y = & 0 \ , \ v = & 578 \\ w = & 4 \ , \ h = & 32 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 128 \\ w = & 33 \ , \ h = & 2 \ , \ x = & 7 \ , \ y = & 34 \ , \ v = & 66 \end{array}$



$$\begin{array}{l} w = \! 35 \; , \; h = \! 18 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 630 \\ w = \! 33 \; , \; h = \! 22 \; , \; x = \! 7 \; , \; y = \! 18 \; , \; v = \! 726 \\ w = \! 5 \; , \; h = \! 29 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 145 \end{array}$$



$$\le =25$$
 , h =35 , x =15 , y =0 , v =875

$$\le =15$$
 , h =28 , x =0 , y =0 , v =420

$$w=\!14$$
 , $h=\!5$, $x=\!26$, $y=\!35$, $v=\!70$

$$\le =25$$
 , h =4 , x =1 , y =35 , v =100

17x7	16x11
	16x13
24x33	16x16

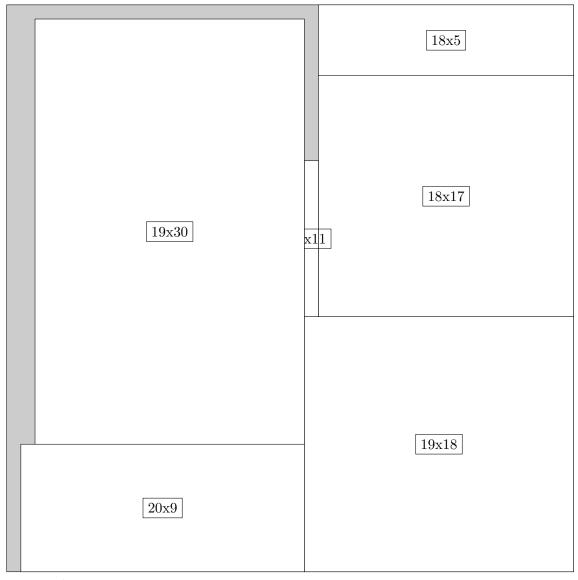
$$\le =16$$
 , h =16 , x =24 , y =0 , v =256

$$\le =16$$
 , h =13 , x =24 , y =16 , v =208

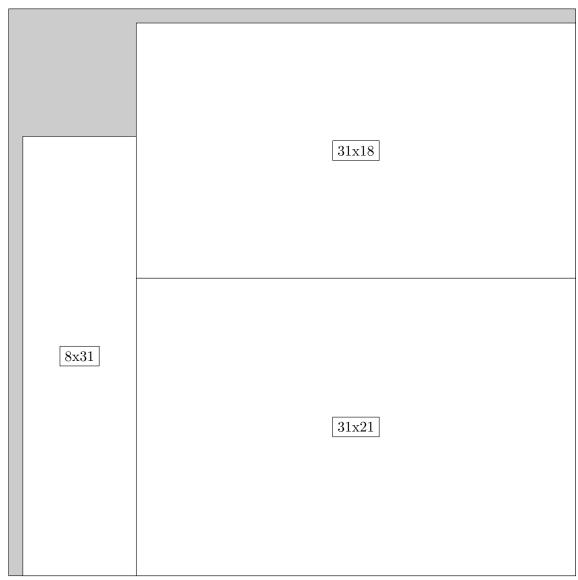
$$\le =16$$
 , h =11 , x =24 , y =29 , v =176

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

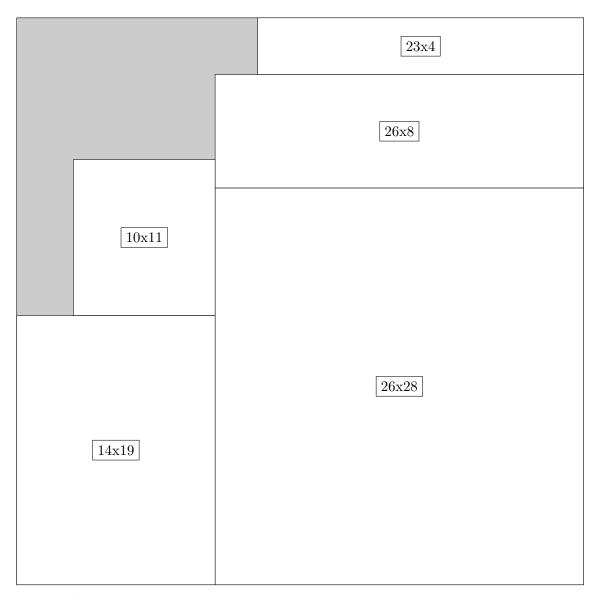
$$\le =17$$
 , h =7 , x =7 , y =33 , v =119



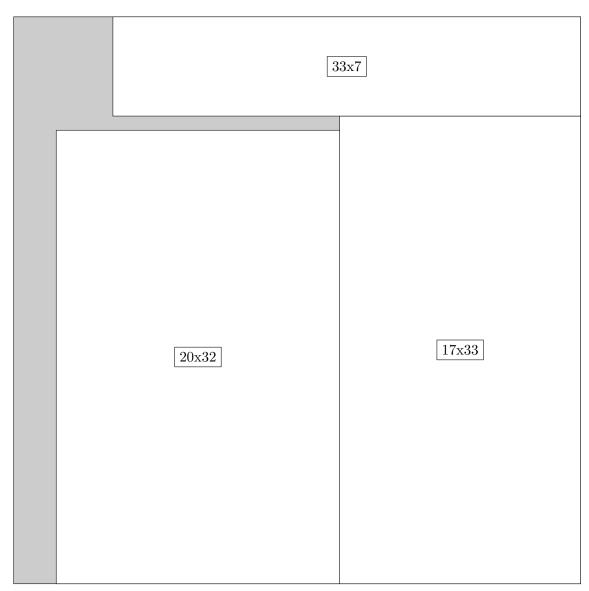
$$\begin{array}{l} w=19\;,\; h=18\;,\; x=21\;,\; y=0\;,\; v=342\\ w=18\;,\; h=17\;,\; x=22\;,\; y=18\;,\; v=306\\ w=1\;,\; h=11\;,\; x=21\;,\; y=18\;,\; v=11\\ w=18\;,\; h=5\;,\; x=22\;,\; y=35\;,\; v=90\\ w=20\;,\; h=9\;,\; x=1\;,\; y=0\;,\; v=180\\ w=19\;,\; h=30\;,\; x=2\;,\; y=9\;,\; v=570 \end{array}$$



 $\begin{array}{l} w = & 31 \;,\; h = & 21 \;,\; x = & 9 \;,\; y = & 0 \;,\; v = & 651 \\ w = & 31 \;,\; h = & 18 \;,\; x = & 9 \;,\; y = & 21 \;,\; v = & 558 \\ w = & 8 \;,\; h = & 31 \;,\; x = & 1 \;,\; y = & 0 \;,\; v = & 248 \end{array}$



$$\begin{array}{l} w = 26 \ , \, h = 28 \ , \, x = 14 \ , \, y = 0 \ , \, v = 728 \\ w = 26 \ , \, h = 8 \ , \, x = 14 \ , \, y = 28 \ , \, v = 208 \\ w = 23 \ , \, h = 4 \ , \, x = 17 \ , \, y = 36 \ , \, v = 92 \\ w = 14 \ , \, h = 19 \ , \, x = 0 \ , \, y = 0 \ , \, v = 266 \\ w = 10 \ , \, h = 11 \ , \, x = 4 \ , \, y = 19 \ , \, v = 110 \end{array}$$



 $\begin{array}{l} w = & 17 \ , \ h = & 33 \ , \ x = & 23 \ , \ y = & 0 \ , \ v = & 561 \\ w = & 20 \ , \ h = & 32 \ , \ x = & 3 \ , \ y = & 0 \ , \ v = & 640 \\ w = & 33 \ , \ h = & 7 \ , \ x = & 7 \ , \ y = & 33 \ , \ v = & 231 \end{array}$