${\bf ClassName:}~{\bf Class_03.2bp\text{-}30}$

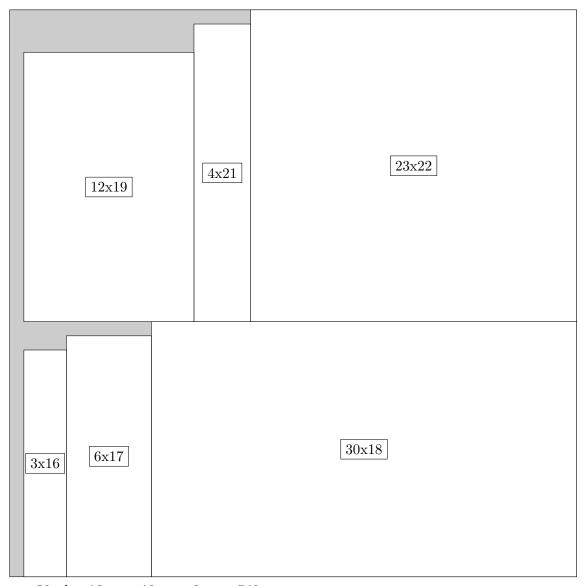
 $\begin{array}{ccc} \text{BinSize: } \underline{40} & \overline{\times} & \underline{40} \\ \text{ReduceSize: } \underline{40} & \times & \underline{40} \end{array}$

TypeNum: <u>79</u> Num: <u>80</u> OutS: <u>27200</u> InS: <u>24257</u> Rate: <u>0.892</u> UB: <u>17</u> LB: <u>17</u>

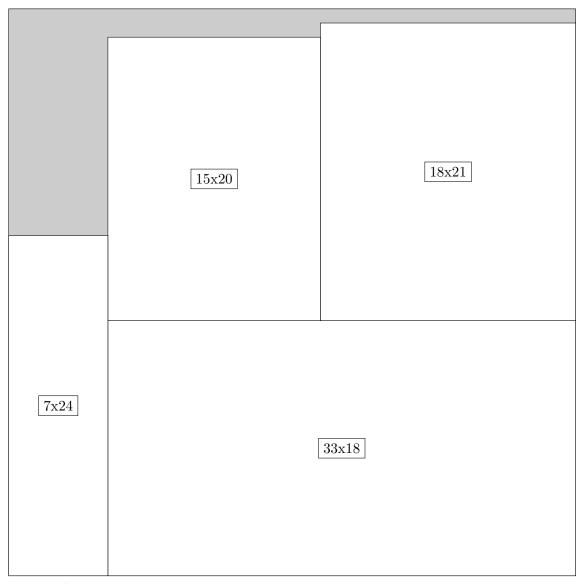
LBWithCut: $\underline{17}$ NodeCount: $\underline{0}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{17}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{1}$ PricingSolverCnt: $\underline{0}$ BranchAndBoundNum: $\underline{1}$

isOpt: **true**

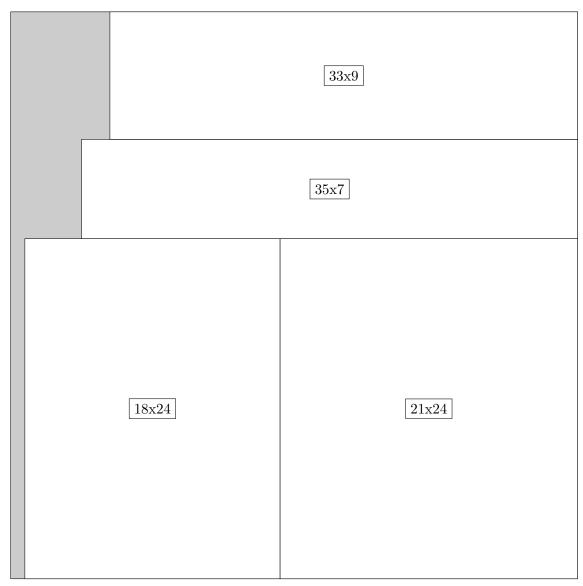
 $\begin{array}{ll} \text{TimeOnPrimal: } \underline{0.000 \text{ s}} \\ \text{TimeOnPricing: } \underline{0.000 \text{ s}} \\ \text{TimeOnRmp: } \underline{0.063 \text{ s}} \\ \text{TotalTime: } \underline{0.203 \text{ s}} \end{array}$



$$\begin{array}{l} w = 30 \; , \; h = 18 \; , \; x = 10 \; , \; y = 0 \; , \; v = 540 \\ w = 6 \; , \; h = 17 \; , \; x = 4 \; , \; y = 0 \; , \; v = 102 \\ w = 3 \; , \; h = 16 \; , \; x = 1 \; , \; y = 0 \; , \; v = 48 \\ w = 23 \; , \; h = 22 \; , \; x = 17 \; , \; y = 18 \; , \; v = 506 \\ w = 4 \; , \; h = 21 \; , \; x = 13 \; , \; y = 18 \; , \; v = 84 \\ w = 12 \; , \; h = 19 \; , \; x = 1 \; , \; y = 18 \; , \; v = 228 \end{array}$$



 $\begin{array}{l} w = \! 33 \ , \ h = \! 18 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 594 \\ w = \! 18 \ , \ h = \! 21 \ , \ x = \! 22 \ , \ y = \! 18 \ , \ v = \! 378 \\ w = \! 15 \ , \ h = \! 20 \ , \ x = \! 7 \ , \ y = \! 18 \ , \ v = \! 300 \\ w = \! 7 \ , \ h = \! 24 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 168 \end{array}$

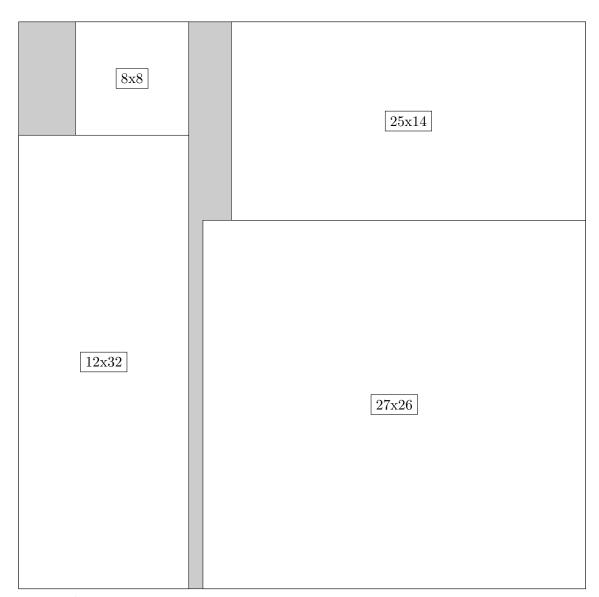


$$w = 21$$
, $h = 24$, $x = 19$, $y = 0$, $v = 504$

$$w = 18$$
, $h = 24$, $x = 1$, $y = 0$, $v = 432$

$$w$$
 =35 , h =7 , x =5 , y =24 , v =245

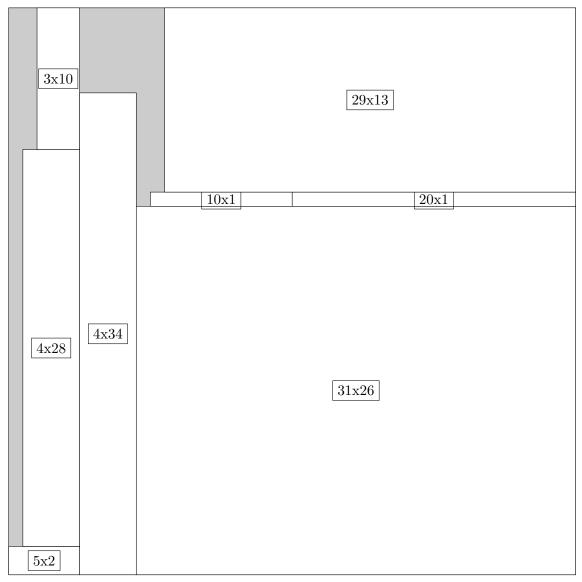
$$w=\!33$$
 , $h=\!9$, $x=\!7$, $y=\!31$, $v=\!297$



$$\begin{array}{l} w = \! 27 \ , \ h = \! 26 \ , \ x = \! 13 \ , \ y = \! 0 \ , \ v = \! 702 \\ w = \! 25 \ , \ h = \! 14 \ , \ x = \! 15 \ , \ y = \! 26 \ , \ v = \! 350 \end{array}$$

$$\le =12$$
 , h =32 , x =0 , y =0 , v =384

$$w = 8$$
, $h = 8$, $x = 4$, $y = 32$, $v = 64$



$$w = 31$$
, $h = 26$, $x = 9$, $y = 0$, $v = 806$

$$\le =20$$
 , h =1 , x =20 , y =26 , v =20

$$w = 10$$
, $h = 1$, $x = 10$, $y = 26$, $v = 10$

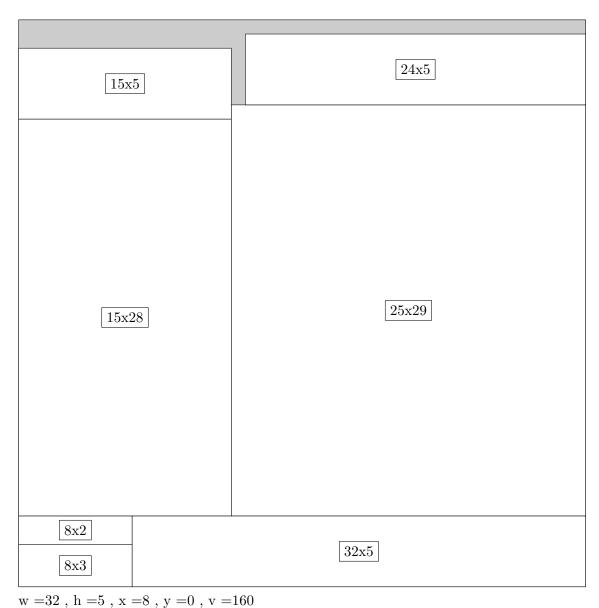
$$w = 29$$
, $h = 13$, $x = 11$, $y = 27$, $v = 377$

$$\mathbf{w}$$
 =4 , h =34 , x =5 , y =0 , v =136

$$\mathbf{w}$$
 =5 , \mathbf{h} =2 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =10

$$\mathbf{w}$$
 =4 , h =28 , x =1 , y =2 , v =112

$$\mathbf{w}$$
 =3 , h =10 , x =2 , y =30 , v =30



 $\le =15$, h=5 , x=0 , y=33 , v=75

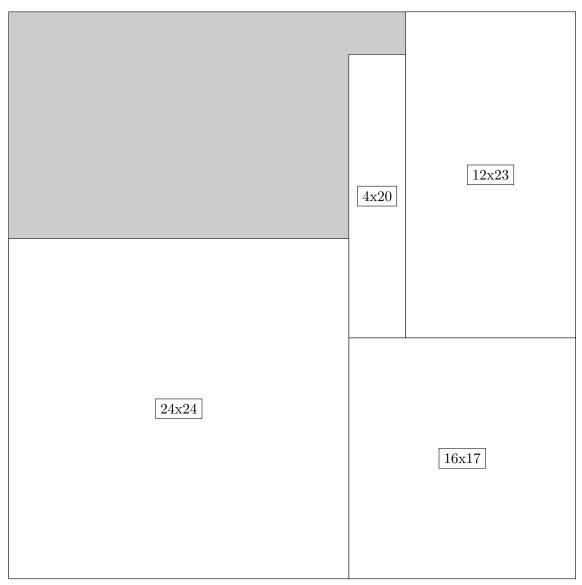
19x11	20x18
20x29	$20\mathrm{x}22$

$$\le =20$$
 , h =22 , x =20 , y =0 , v =440

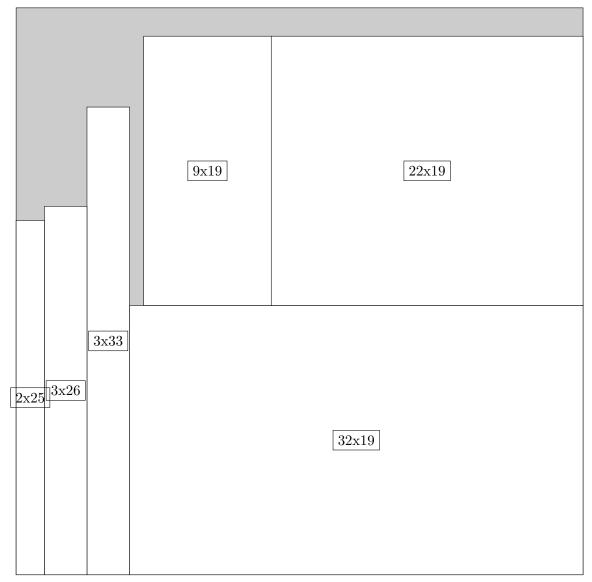
$$\le =20$$
 , h =18 , x =20 , y =22 , v =360

$$\le =20$$
 , h =29 , x =0 , y =0 , v =580

$$\le =19$$
 , $= 11$, $= 11$, $= 11$, $= 129$, $= 1209$



 $\begin{array}{l} w = \! 16 \ , \ h = \! 17 \ , \ x = \! 24 \ , \ y = \! 0 \ , \ v = \! 272 \\ w = \! 12 \ , \ h = \! 23 \ , \ x = \! 28 \ , \ y = \! 17 \ , \ v = \! 276 \\ w = \! 4 \ , \ h = \! 20 \ , \ x = \! 24 \ , \ y = \! 17 \ , \ v = \! 80 \\ w = \! 24 \ , \ h = \! 24 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 576 \end{array}$



$$w = 32$$
, $h = 19$, $x = 8$, $y = 0$, $v = 608$

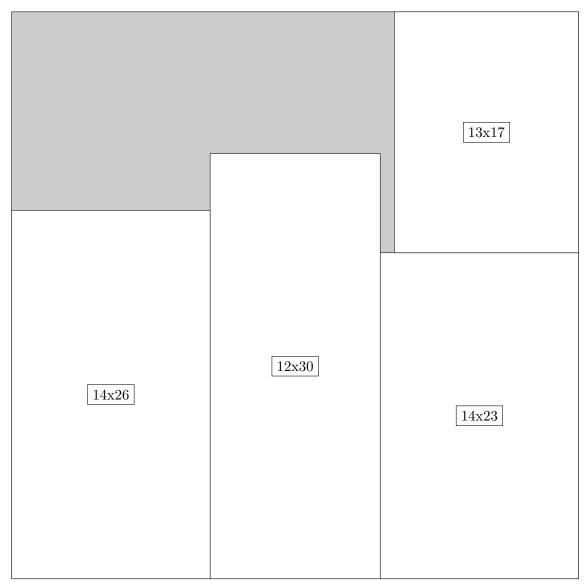
$$\le =22$$
 , h =19 , x =18 , y =19 , v =418

$$\mathbf{w}$$
 =9 , h =19 , x =9 , y =19 , v =171

$$\le =3$$
 , h =33 , x =5 , y =0 , v =99

$$\mathbf{w}$$
 =3 , h =26 , x =2 , y =0 , v =78

$$\mathbf{w}$$
 =2 , h =25 , x =0 , y =0 , v =50

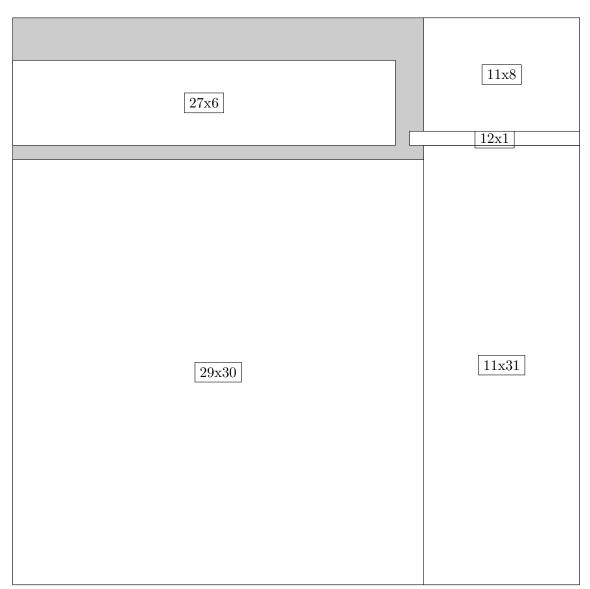


$$\le =14$$
 , h =23 , x =26 , y =0 , v =322

$$\le =13$$
 , h =17 , x =27 , y =23 , v =221

$$\le =12$$
 , h =30 , x =14 , y =0 , v =360

$$\le =14$$
 , h =26 , x =0 , y =0 , v =364



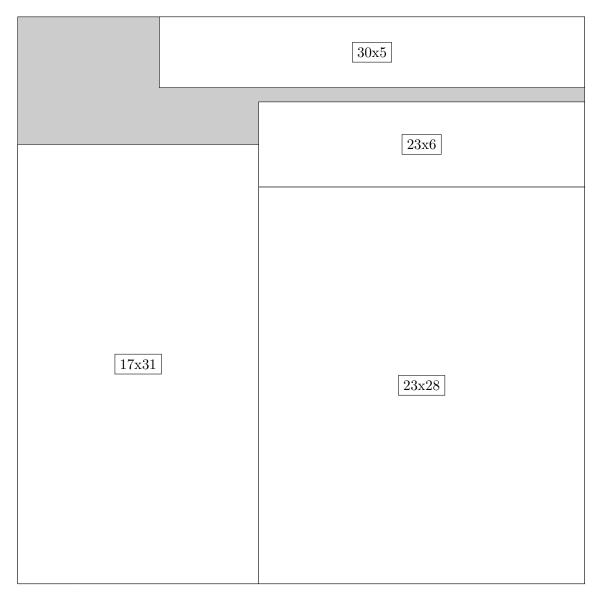
$$\le =11$$
 , $h=31$, $x=29$, $y=0$, $v=341$

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

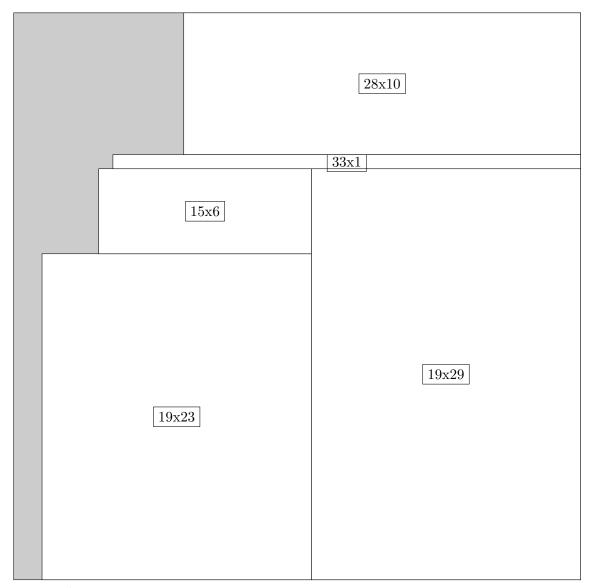
$$\le =12$$
 , h =1 , x =28 , y =31 , v =12

$$\le =11$$
 , h =8 , x =29 , y =32 , v =88

$$\le =27$$
 , h =6 , x =0 , y =31 , v =162



 $\begin{array}{l} w=23 \ , \ h=28 \ , \ x=17 \ , \ y=0 \ , \ v=644 \\ w=23 \ , \ h=6 \ , \ x=17 \ , \ y=28 \ , \ v=138 \\ w=17 \ , \ h=31 \ , \ x=0 \ , \ y=0 \ , \ v=527 \\ w=30 \ , \ h=5 \ , \ x=10 \ , \ y=35 \ , \ v=150 \end{array}$



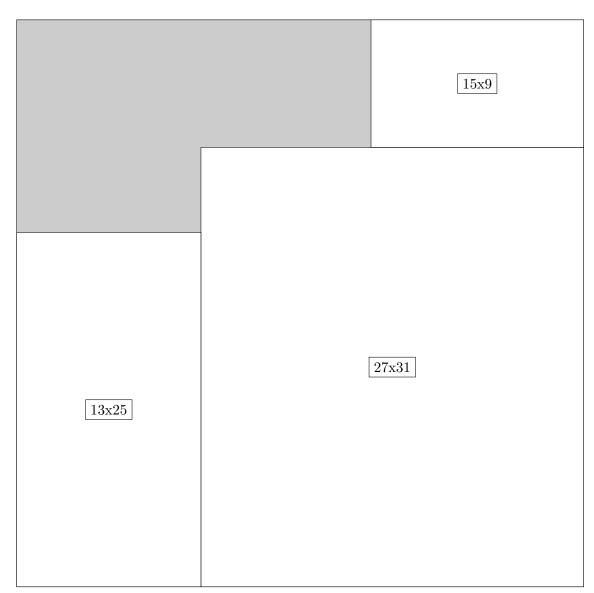
$$\le =19$$
 , h =29 , x =21 , y =0 , v =551

$$\le =19$$
 , h =23 , x =2 , y =0 , v =437

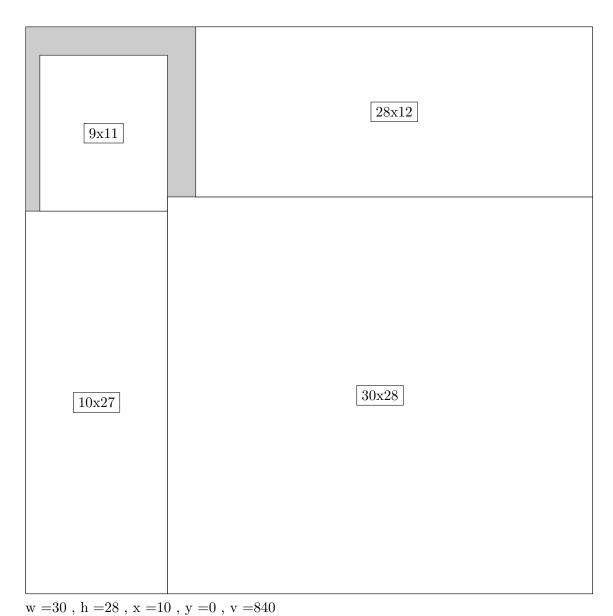
$$\le =15$$
 , h =6 , x =6 , y =23 , v =90

$$\le =33$$
 , h =1 , x =7 , y =29 , v =33

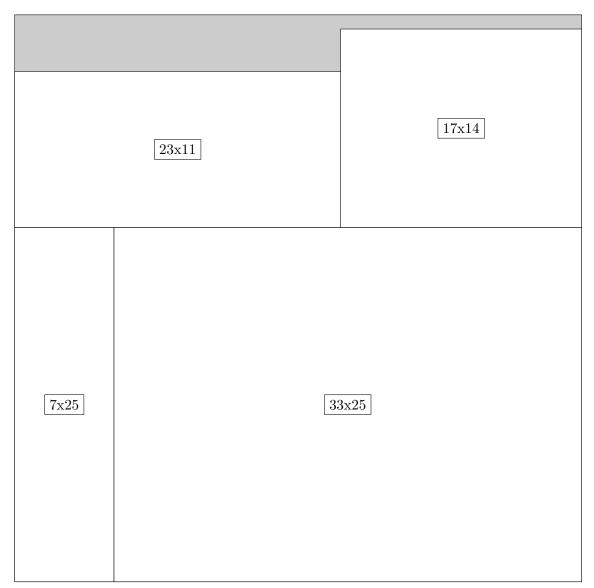
$$w=28$$
 , $h=\!10$, $x=\!12$, $y=\!30$, $v=\!280$



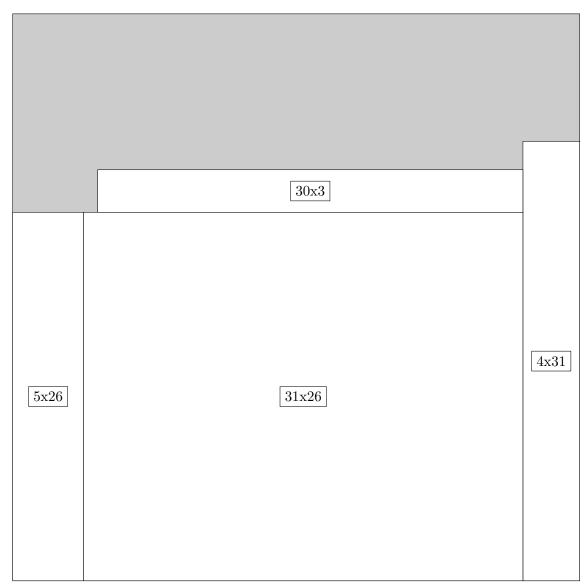
$$\begin{array}{l} w = \! 27 \; , \; h = \! 31 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 837 \\ w = \! 13 \; , \; h = \! 25 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 325 \\ w = \! 15 \; , \; h = \! 9 \; , \; x = \! 25 \; , \; y = \! 31 \; , \; v = \! 135 \end{array}$$



w = 9, h = 11, x = 1, y = 27, v = 99



$$\begin{array}{l} w = & 33 \ , \ h = & 25 \ , \ x = & 7 \ , \ y = & 0 \ , \ v = & 825 \\ w = & 7 \ , \ h = & 25 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 175 \\ w = & 17 \ , \ h = & 14 \ , \ x = & 23 \ , \ y = & 25 \ , \ v = & 238 \\ w = & 23 \ , \ h = & 11 \ , \ x = & 0 \ , \ y = & 25 \ , \ v = & 253 \end{array}$$



 $\begin{array}{l} w=4\ ,\, h=31\ ,\, x=36\ ,\, y=0\ ,\, v=124\\ w=31\ ,\, h=26\ ,\, x=5\ ,\, y=0\ ,\, v=806\\ w=30\ ,\, h=3\ ,\, x=6\ ,\, y=26\ ,\, v=90\\ w=5\ ,\, h=26\ ,\, x=0\ ,\, y=0\ ,\, v=130 \end{array}$