${\bf ClassName:}\ {\bf Class_03.2bp\text{-}36}$

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

TypeNum: <u>79</u> Num: <u>80</u> OutS: <u>32000</u> InS: <u>29037</u> Rate: <u>0.907</u> UB: <u>20</u> LB0: <u>20</u>

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

LB: **20**

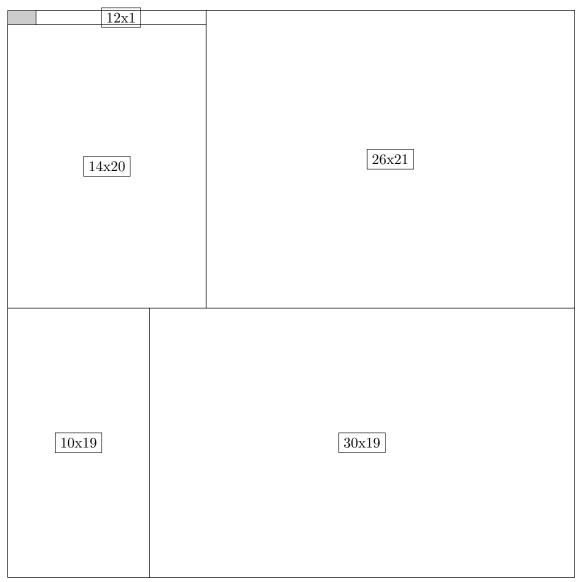
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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: 0.094 sTotalTime: 600.390 s



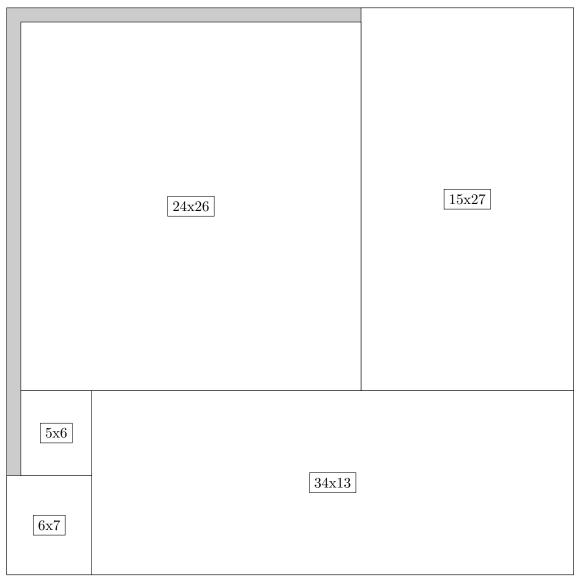
$$\le =30$$
 , h =19 , x =10 , y =0 , v =570

$$\mathbf{w}$$
 =10 , h =19 , x =0 , y =0 , v =190

$$\le =26$$
 , h =21 , x =14 , y =19 , v =546

$$\le =14$$
 , h =20 , x =0 , y =19 , v =280

$$\le =12$$
 , h =1 , x =2 , y =39 , v =12



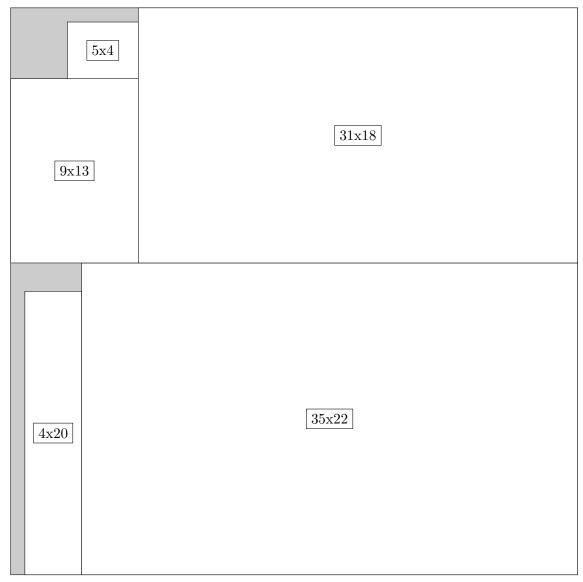
$$w = 34$$
 , $h = 13$, $x = 6$, $y = 0$, $v = 442$

$$\mathbf{w}$$
 =6 , h =7 , x =0 , y =0 , v =42

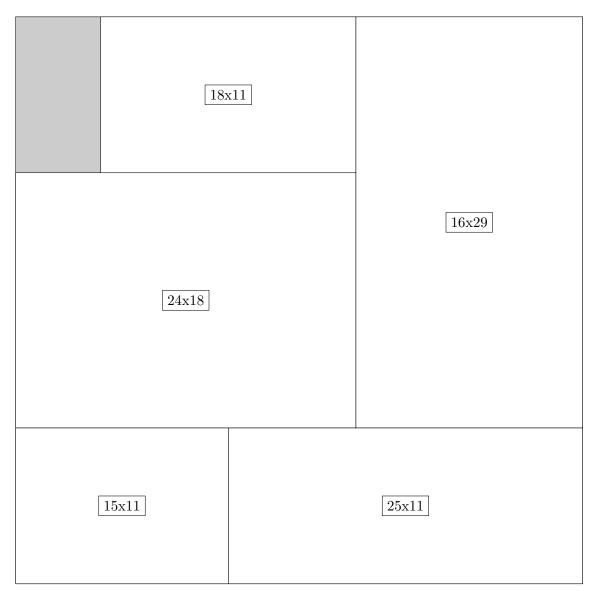
$$\mathbf{w}$$
 =5 , h =6 , x =1 , y =7 , v =30

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

$$\le =24$$
 , h =26 , x =1 , y =13 , v =624



$$\begin{array}{l} w = & 35 \ , \ h = & 22 \ , \ x = & 5 \ , \ y = & 0 \ , \ v = & 770 \\ w = & 4 \ , \ h = & 20 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 80 \\ w = & 31 \ , \ h = & 18 \ , \ x = & 9 \ , \ y = & 22 \ , \ v = & 558 \\ w = & 9 \ , \ h = & 13 \ , \ x = & 0 \ , \ y = & 22 \ , \ v = & 117 \\ w = & 5 \ , \ h = & 4 \ , \ x = & 4 \ , \ y = & 35 \ , \ v = & 20 \end{array}$$



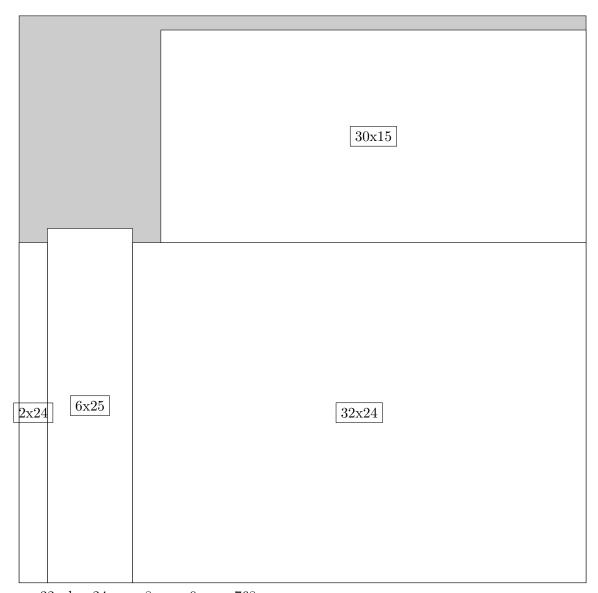
$$\le 25$$
 , h =11 , x =15 , y =0 , v =275

$$\le =15$$
 , h =11 , x =0 , y =0 , v =165

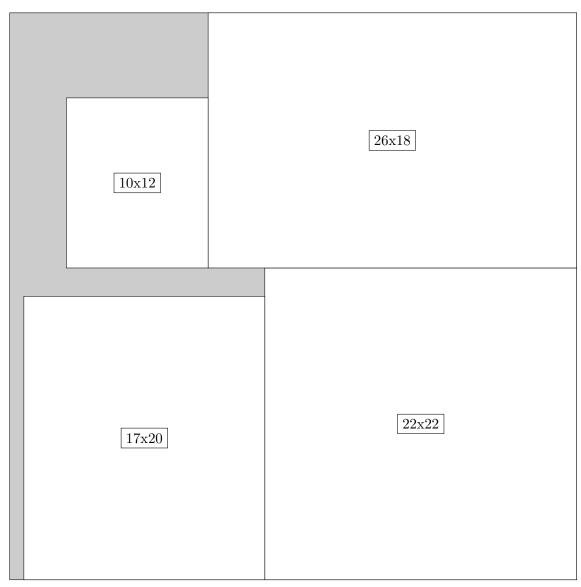
$$\mathbf{w}$$
 =16 , h =29 , x =24 , y =11 , v =464

$$\mathbf{w}$$
 =24 , h =18 , x =0 , y =11 , v =432

$$\le =18$$
 , h =11 , x =6 , y =29 , v =198



$$\begin{array}{l} w = & 32 \ , \ h = & 24 \ , \ x = & 8 \ , \ y = & 0 \ , \ v = & 768 \\ w = & 30 \ , \ h = & 15 \ , \ x = & 10 \ , \ y = & 24 \ , \ v = & 450 \\ w = & 6 \ , \ h = & 25 \ , \ x = & 2 \ , \ y = & 0 \ , \ v = & 150 \\ w = & 2 \ , \ h = & 24 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 48 \end{array}$$

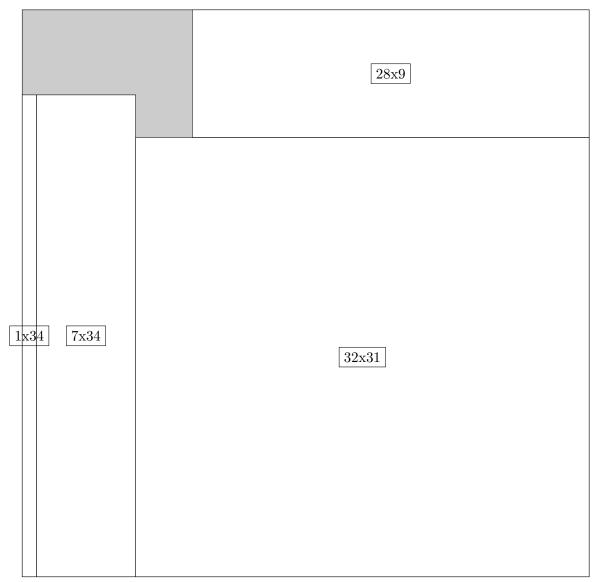


$$w=22$$
 , $h=22$, $x=18$, $y=0$, $v=484$

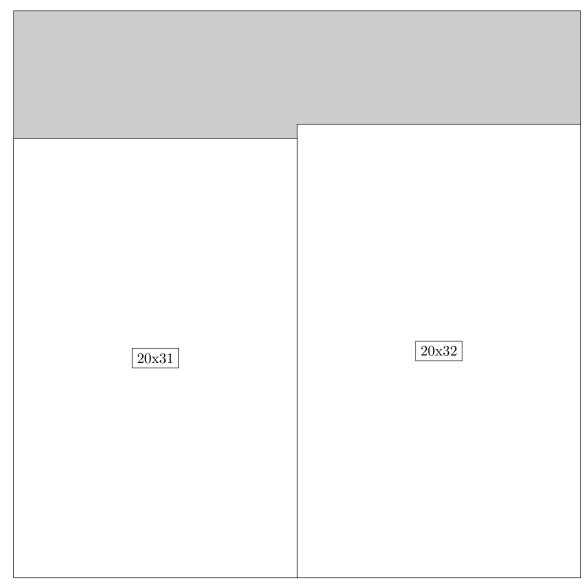
$$\le =17$$
 , $==20$, $==1$, $==10$, $==10$, $==100$, $==100$, $==100$, $==1000$, $==1000$, $==1000$, $==1000$

$$\le =26$$
 , h =18 , x =14 , y =22 , v =468

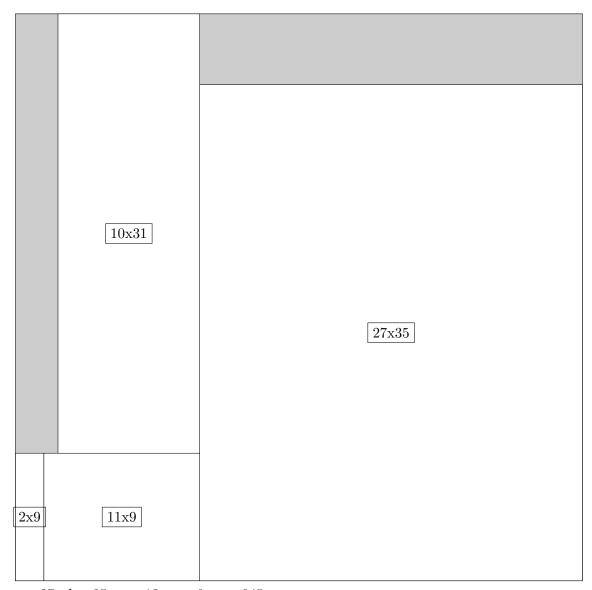
$$\mathbf{w}$$
 =10 , h =12 , x =4 , y =22 , v =120



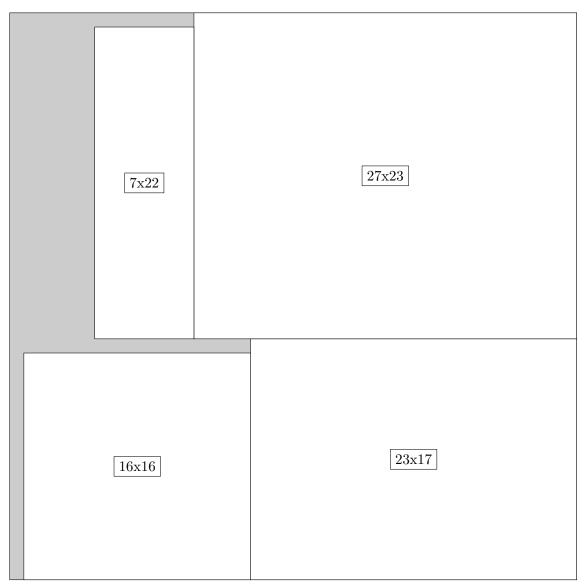
 $\begin{array}{l} w = & 32 \ , \ h = & 31 \ , \ x = & 8 \ , \ y = & 0 \ , \ v = & 992 \\ w = & 28 \ , \ h = & 9 \ , \ x = & 12 \ , \ y = & 31 \ , \ v = & 252 \\ w = & 7 \ , \ h = & 34 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 238 \\ w = & 1 \ , \ h = & 34 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 34 \end{array}$



$$\begin{array}{l} w = & 20 \ , \, h = & 32 \ , \, x = & 20 \ , \, y = & 0 \ , \, v = & 640 \\ w = & 20 \ , \, h = & 31 \ , \, x = & 0 \ , \, y = & 0 \ , \, v = & 620 \end{array}$$



$$\begin{array}{l} w = 27 \;, \; h = 35 \;, \; x = 13 \;, \; y = 0 \;, \; v = 945 \\ w = 11 \;, \; h = 9 \;, \; x = 2 \;, \; y = 0 \;, \; v = 99 \\ w = 2 \;, \; h = 9 \;, \; x = 0 \;, \; y = 0 \;, \; v = 18 \\ w = 10 \;, \; h = 31 \;, \; x = 3 \;, \; y = 9 \;, \; v = 310 \end{array}$$

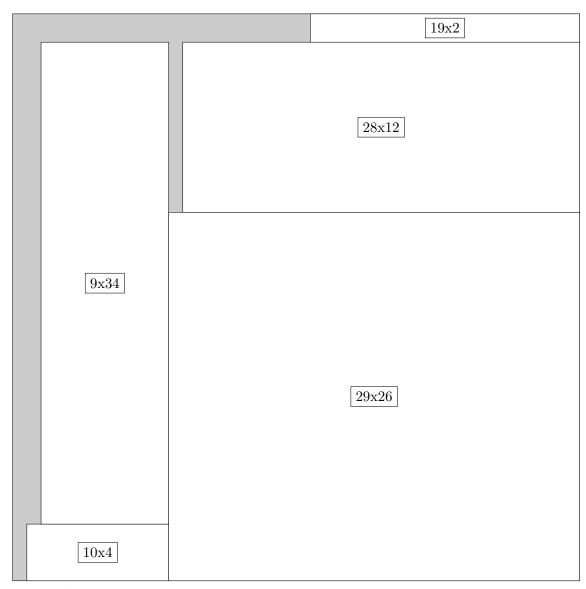


$$\le 23$$
 , h =17 , x =17 , y =0 , v =391

$$\le =16$$
 , $h=16$, $x=1$, $y=0$, $v=256$

$$\le =27$$
 , h =23 , x =13 , y =17 , v =621

$$\mathbf{w}$$
 =7 , h =22 , x =6 , y =17 , v =154



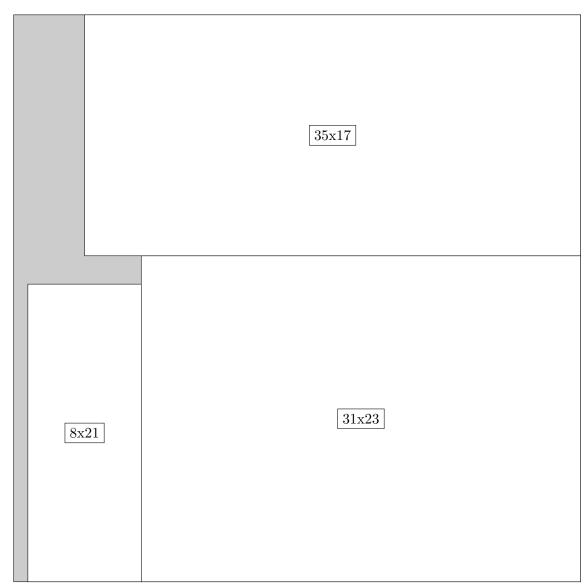
$$\begin{array}{l} w = \! 29 \ , \ h = \! 26 \ , \ x = \! 11 \ , \ y = \! 0 \ , \ v = \! 754 \\ w = \! 28 \ , \ h = \! 12 \ , \ x = \! 12 \ , \ y = \! 26 \ , \ v = \! 336 \end{array}$$

$$w = 10$$
, $h = 4$, $x = 1$, $y = 0$, $v = 40$

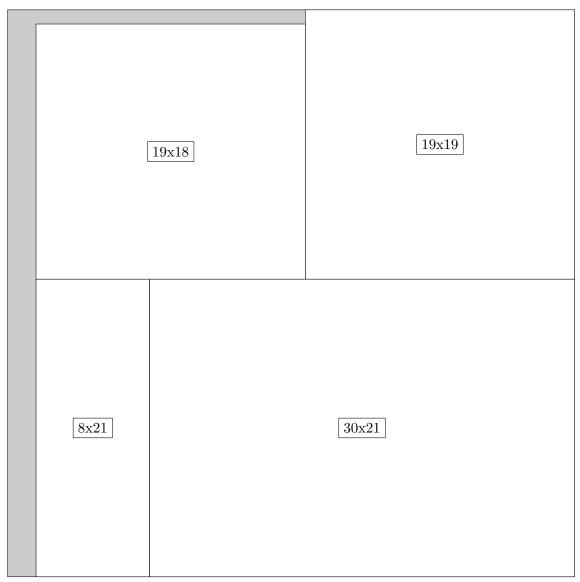
$$w = 9$$
, $h = 34$, $x = 2$, $y = 4$, $v = 306$

	35x5
4x35	35x35

 $\begin{array}{l} w = \! 35 \; , \; h = \! 35 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 1225 \\ w = \! 35 \; , \; h = \! 5 \; , \; x = \! 5 \; , \; y = \! 35 \; , \; v = \! 175 \\ w = \! 4 \; , \; h = \! 35 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 140 \end{array}$



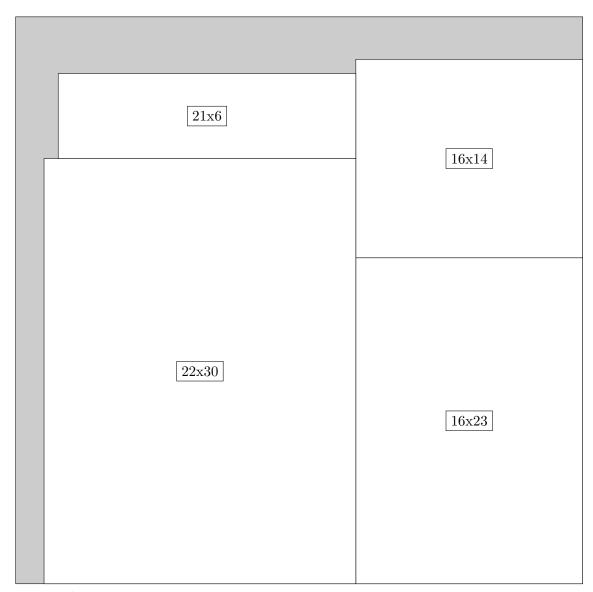
$$\begin{array}{l} w = & 31 \;,\; h = & 23 \;,\; x = & 9 \;,\; y = & 0 \;,\; v = & 713 \\ w = & 8 \;,\; h = & 21 \;,\; x = & 1 \;,\; y = & 0 \;,\; v = & 168 \\ w = & 35 \;,\; h = & 17 \;,\; x = & 5 \;,\; y = & 23 \;,\; v = & 595 \end{array}$$



 $\begin{array}{l} w = & 30 \ , \ h = & 21 \ , \ x = & 10 \ , \ y = & 0 \ , \ v = & 630 \\ w = & 8 \ , \ h = & 21 \ , \ x = & 2 \ , \ y = & 0 \ , \ v = & 168 \\ w = & 19 \ , \ h = & 19 \ , \ x = & 21 \ , \ y = & 21 \ , \ v = & 361 \\ w = & 19 \ , \ h = & 18 \ , \ x = & 2 \ , \ y = & 21 \ , \ v = & 342 \end{array}$

4x26	17x31	19x31

 $\begin{array}{l} w = 19 \ , \ h = \!\! 31 \ , \ x = \!\! 21 \ , \ y = \!\! 0 \ , \ v = \!\! 589 \\ w = \!\! 17 \ , \ h = \!\! 31 \ , \ x = \!\! 4 \ , \ y = \!\! 0 \ , \ v = \!\! 527 \\ w = \!\! 4 \ , \ h = \!\! 26 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 104 \end{array}$

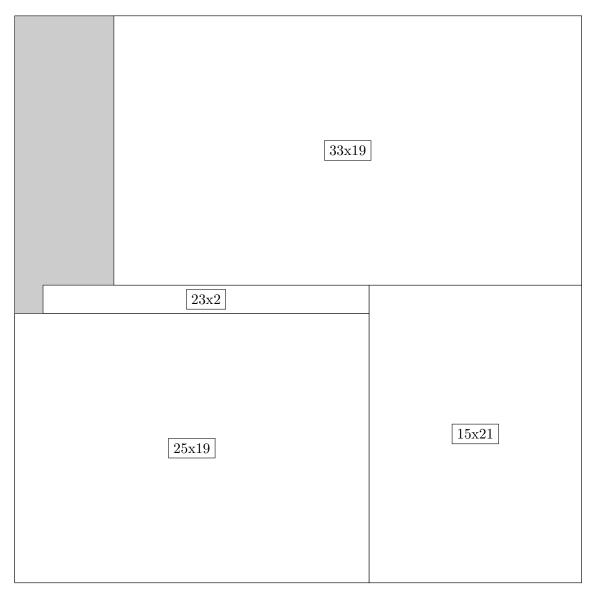


$$\le =16$$
 , h =23 , x =24 , y =0 , v =368

$$w$$
 =16 , h =14 , x =24 , y =23 , v =224

$$\le =22$$
 , h =30 , x =2 , y =0 , v =660

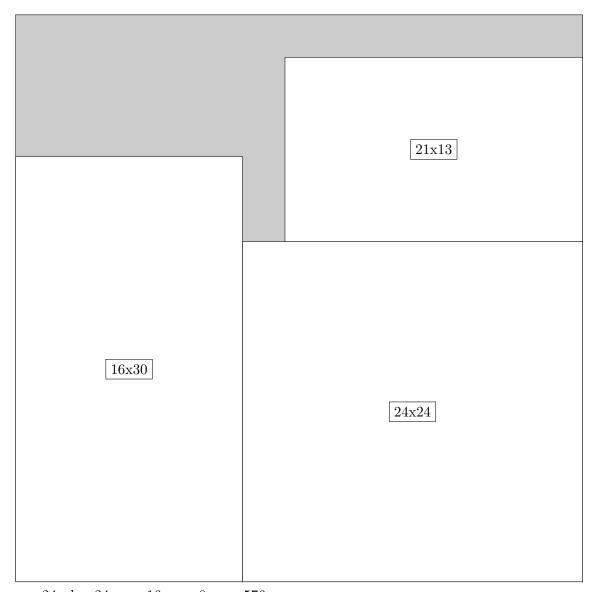
$$\le =21$$
 , h =6 , x =3 , y =30 , v =126



$$\begin{array}{l} w = \! 15 \ , \ h = \! 21 \ , \ x = \! 25 \ , \ y = \! 0 \ , \ v = \! 315 \\ w = \! 25 \ , \ h = \! 19 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 475 \end{array}$$

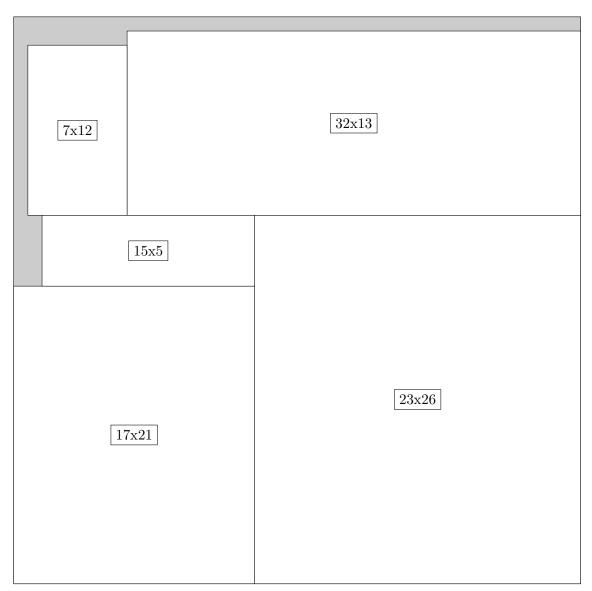
$$\le =23$$
 , h =2 , x =2 , y =19 , v =46

$$\le =33$$
 , $h=19$, $x=7$, $y=21$, $v=627$

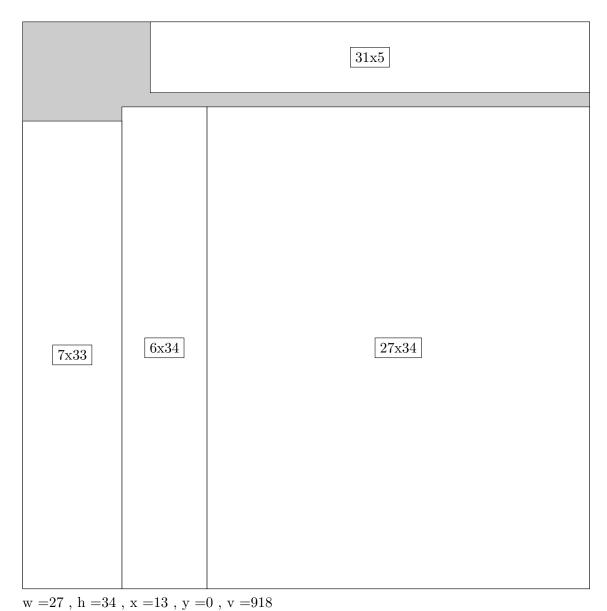


$$\begin{array}{l} w = \! 24 \ , \ h = \! 24 \ , \ x = \! 16 \ , \ y = \! 0 \ , \ v = \! 576 \\ w = \! 21 \ , \ h = \! 13 \ , \ x = \! 19 \ , \ y = \! 24 \ , \ v = \! 273 \end{array}$$

$$\le =16$$
 , h =30 , x =0 , y =0 , v =480



$$\begin{array}{l} w=23 \ , \ h=26 \ , \ x=17 \ , \ y=0 \ , \ v=598 \\ w=17 \ , \ h=21 \ , \ x=0 \ , \ y=0 \ , \ v=357 \\ w=15 \ , \ h=5 \ , \ x=2 \ , \ y=21 \ , \ v=75 \\ w=32 \ , \ h=13 \ , \ x=8 \ , \ y=26 \ , \ v=416 \\ w=7 \ , \ h=12 \ , \ x=1 \ , \ y=26 \ , \ v=84 \end{array}$$



w = 27, h = 34, x = 15, y = 0, v = 918w = 6, h = 34, x = 7, y = 0, v = 204

 $\le =7$, h =33 , x =0 , y =0 , v =231

 ≤ 31 , h =5 , x =9 , y =35 , v =155