${\bf ClassName:}~{\bf Class\_03.2bp\text{-}35}$ 

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

TypeNum: <u>76</u>
Num: <u>80</u>
OutS: <u>32000</u>
InS: <u>27464</u>
Rate: <u>0.858</u>
UB: <u>20</u>
LB0: <u>20</u>
LB: <u>20</u>

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

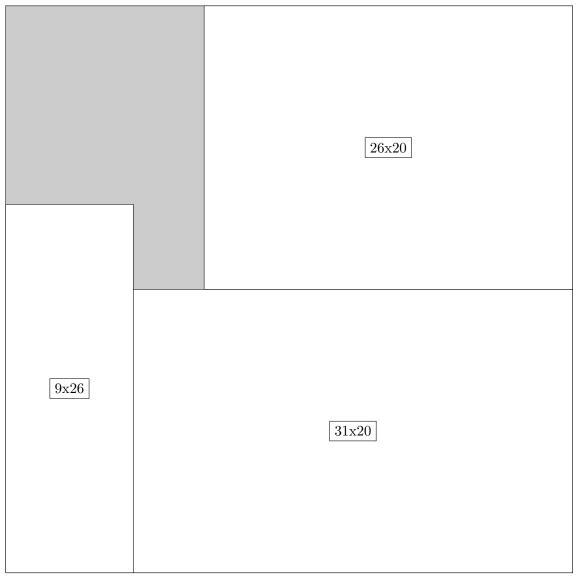
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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

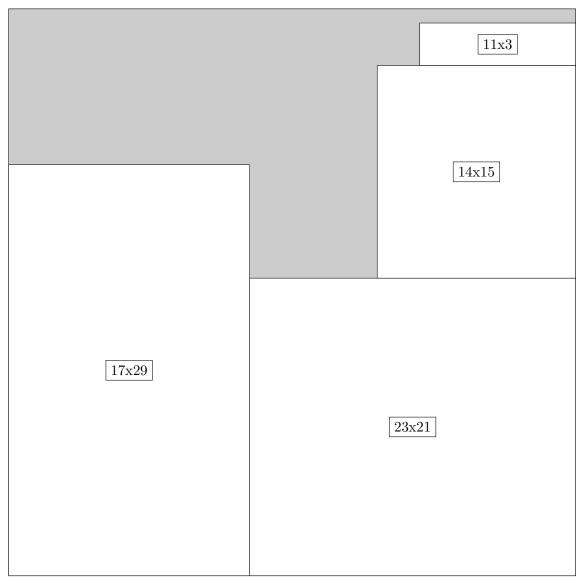
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.375 s



$$\begin{array}{l} w = & 31 \ , \ h = & 20 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 620 \\ w = & 26 \ , \ h = & 20 \ , \ x = & 14 \ , \ y = & 20 \ , \ v = & 520 \\ w = & 9 \ , \ h = & 26 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 234 \end{array}$$

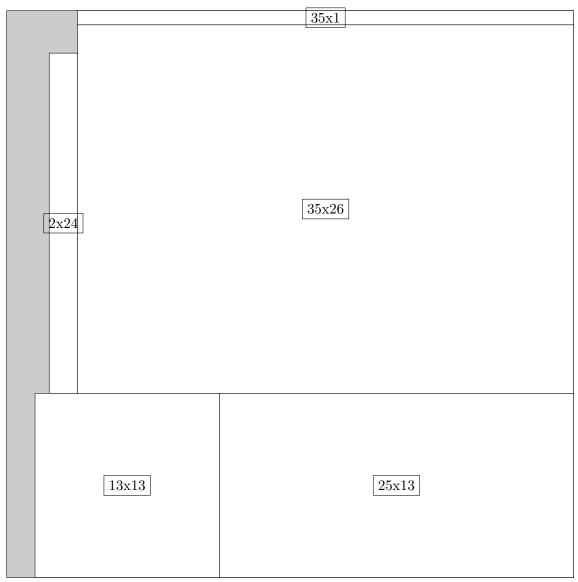


$$\le =23$$
 , h =21 , x =17 , y =0 , v =483

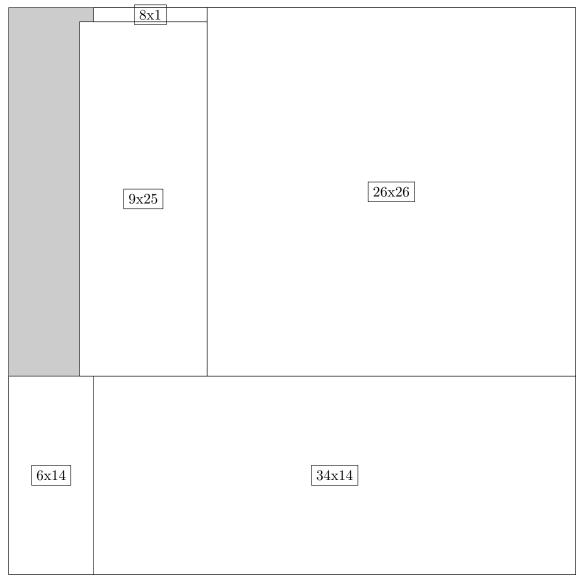
$$\le =14$$
 ,  $h$  =15 ,  $x$  =26 ,  $y$  =21 ,  $v$  =210

$$\le =11$$
 , h =3 , x =29 , y =36 , v =33

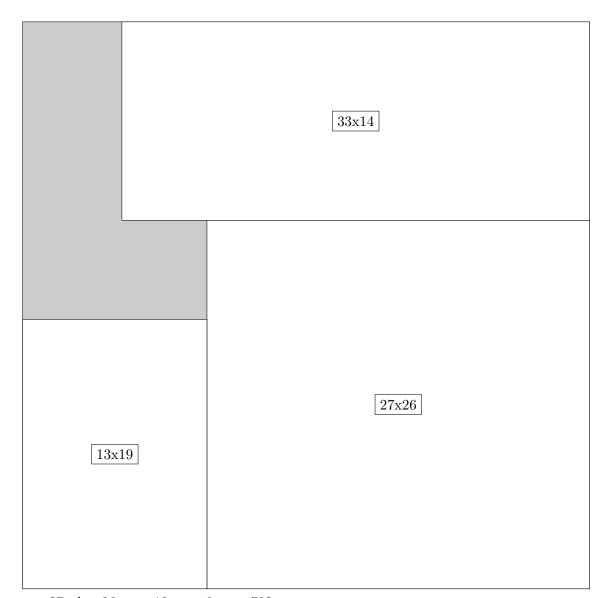
$$\mathbf{w}$$
 =17 , h =29 , x =0 , y =0 , v =493



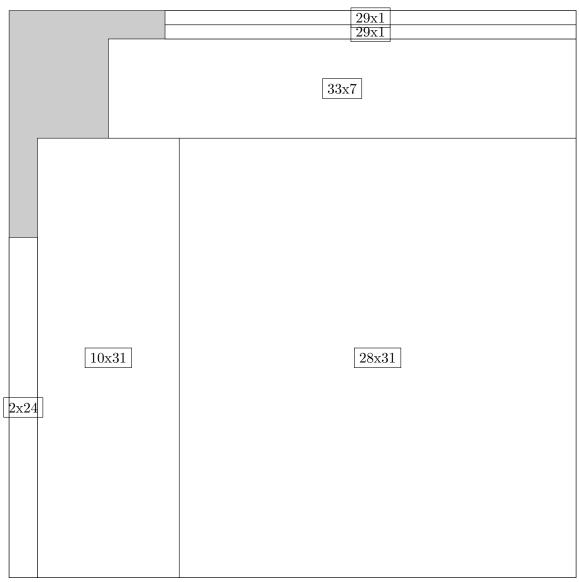
 $\begin{array}{l} w = 25 \ , \ h = 13 \ , \ x = 15 \ , \ y = 0 \ , \ v = 325 \\ w = 13 \ , \ h = 13 \ , \ x = 2 \ , \ y = 0 \ , \ v = 169 \\ w = 35 \ , \ h = 26 \ , \ x = 5 \ , \ y = 13 \ , \ v = 910 \\ w = 2 \ , \ h = 24 \ , \ x = 3 \ , \ y = 13 \ , \ v = 48 \\ w = 35 \ , \ h = 1 \ , \ x = 5 \ , \ y = 39 \ , \ v = 35 \end{array}$ 



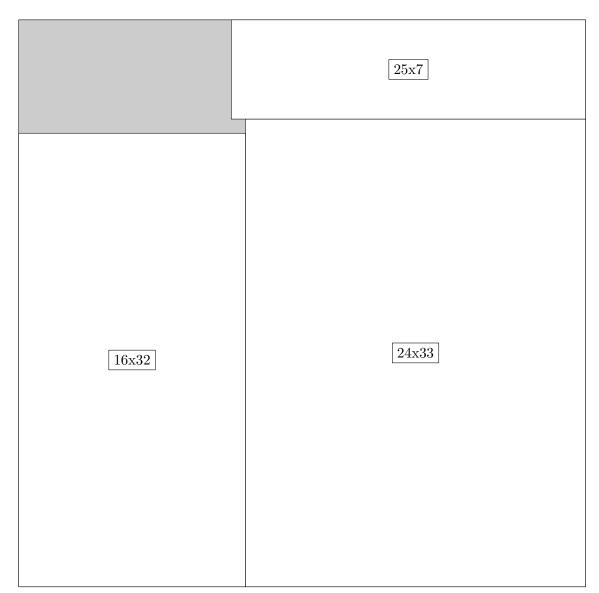
$$\begin{array}{l} w = 34 \; , \; h = 14 \; , \; x = 6 \; , \; y = 0 \; , \; v = 476 \\ w = 6 \; , \; h = 14 \; , \; x = 0 \; , \; y = 0 \; , \; v = 84 \\ w = 26 \; , \; h = 26 \; , \; x = 14 \; , \; y = 14 \; , \; v = 676 \\ w = 9 \; , \; h = 25 \; , \; x = 5 \; , \; y = 14 \; , \; v = 225 \\ w = 8 \; , \; h = 1 \; , \; x = 6 \; , \; y = 39 \; , \; v = 8 \end{array}$$



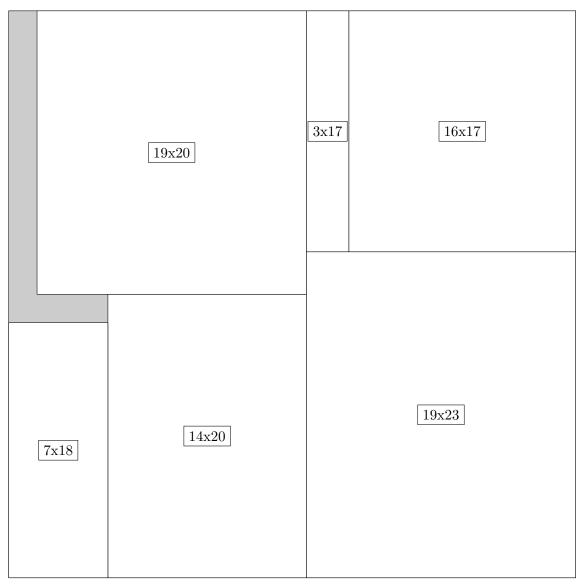
$$\begin{array}{l} w = \! 27 \; , \; h = \! 26 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 702 \\ w = \! 13 \; , \; h = \! 19 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 247 \\ w = \! 33 \; , \; h = \! 14 \; , \; x = \! 7 \; , \; y = \! 26 \; , \; v = \! 462 \end{array}$$



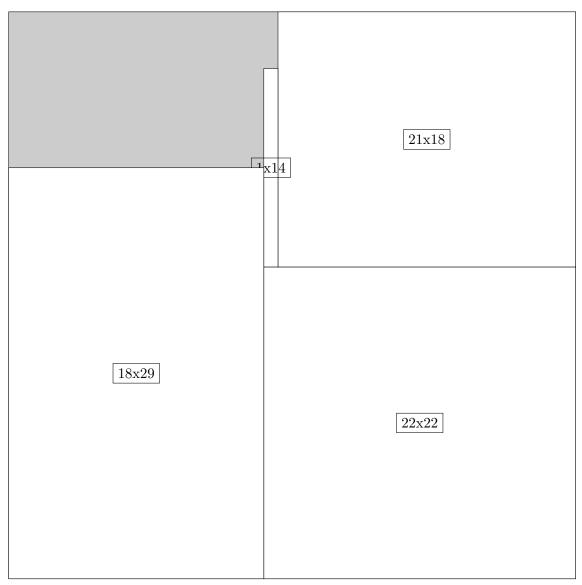
$$\begin{array}{l} w=28 \ , \ h=31 \ , \ x=12 \ , \ y=0 \ , \ v=868 \\ w=10 \ , \ h=31 \ , \ x=2 \ , \ y=0 \ , \ v=310 \\ w=2 \ , \ h=24 \ , \ x=0 \ , \ y=0 \ , \ v=48 \\ w=33 \ , \ h=7 \ , \ x=7 \ , \ y=31 \ , \ v=231 \\ w=29 \ , \ h=1 \ , \ x=11 \ , \ y=38 \ , \ v=29 \\ w=29 \ , \ h=1 \ , \ x=11 \ , \ y=39 \ , \ v=29 \end{array}$$



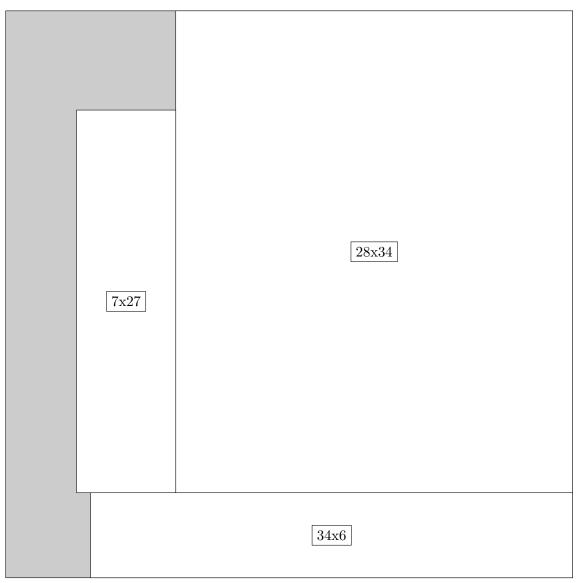
$$\begin{array}{l} w=24 \ , \ h=33 \ , \ x=16 \ , \ y=0 \ , \ v=792 \\ w=16 \ , \ h=32 \ , \ x=0 \ , \ y=0 \ , \ v=512 \\ w=25 \ , \ h=7 \ , \ x=15 \ , \ y=33 \ , \ v=175 \end{array}$$



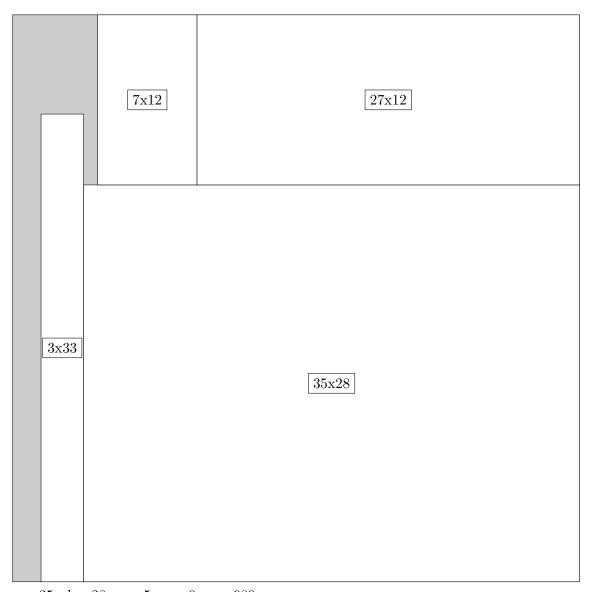
 $\begin{array}{l} w = 19 \; , \; h = 23 \; , \; x = 21 \; , \; y = 0 \; , \; v = 437 \\ w = 16 \; , \; h = 17 \; , \; x = 24 \; , \; y = 23 \; , \; v = 272 \\ w = 3 \; , \; h = 17 \; , \; x = 21 \; , \; y = 23 \; , \; v = 51 \\ w = 14 \; , \; h = 20 \; , \; x = 7 \; , \; y = 0 \; , \; v = 280 \\ w = 7 \; , \; h = 18 \; , \; x = 0 \; , \; y = 0 \; , \; v = 126 \\ w = 19 \; , \; h = 20 \; , \; x = 2 \; , \; y = 20 \; , \; v = 380 \end{array}$ 



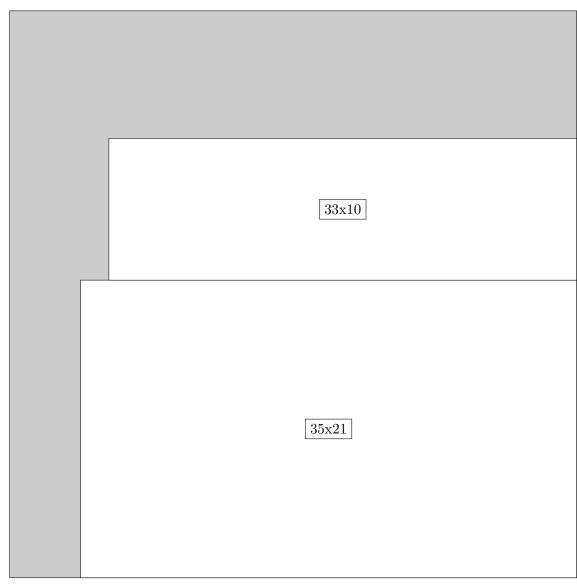
 $\begin{array}{l} w = & 22 \ , \ h = & 22 \ , \ x = & 18 \ , \ y = & 0 \ , \ v = & 484 \\ w = & 21 \ , \ h = & 18 \ , \ x = & 19 \ , \ y = & 22 \ , \ v = & 378 \\ w = & 1 \ , \ h = & 14 \ , \ x = & 18 \ , \ y = & 22 \ , \ v = & 14 \\ w = & 18 \ , \ h = & 29 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 522 \end{array}$ 



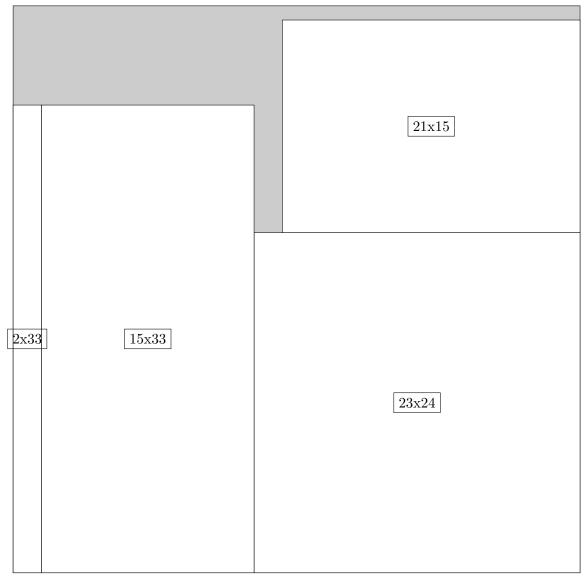
$$\begin{array}{l} w = \! 34 \; , \; h = \! 6 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 204 \\ w = \! 28 \; , \; h = \! 34 \; , \; x = \! 12 \; , \; y = \! 6 \; , \; v = \! 952 \\ w = \! 7 \; , \; h = \! 27 \; , \; x = \! 5 \; , \; y = \! 6 \; , \; v = \! 189 \end{array}$$



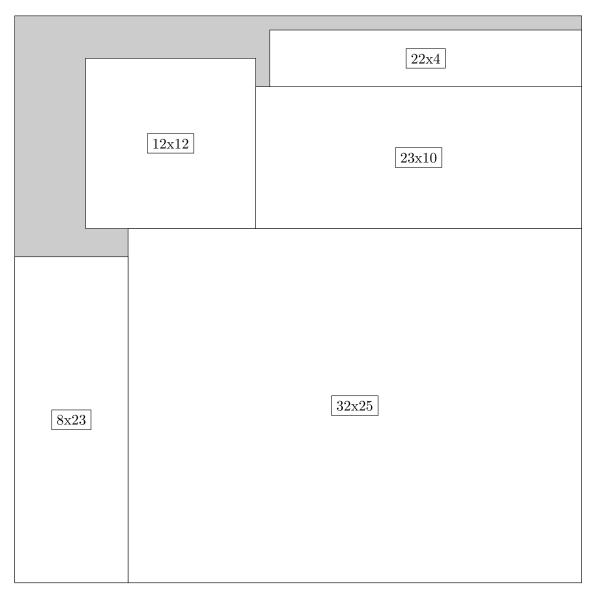
 $\begin{array}{l} w = & 35 \ , \ h = & 28 \ , \ x = & 5 \ , \ y = & 0 \ , \ v = & 980 \\ w = & 27 \ , \ h = & 12 \ , \ x = & 13 \ , \ y = & 28 \ , \ v = & 324 \\ w = & 7 \ , \ h = & 12 \ , \ x = & 6 \ , \ y = & 28 \ , \ v = & 84 \\ w = & 3 \ , \ h = & 33 \ , \ x = & 2 \ , \ y = & 0 \ , \ v = & 99 \end{array}$ 



$$\begin{array}{l} w = \! 35 \ , \ h = \! 21 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 735 \\ w = \! 33 \ , \ h = \! 10 \ , \ x = \! 7 \ , \ y = \! 21 \ , \ v = \! 330 \end{array}$$



 $\begin{array}{l} w = 23 \ , \ h = 24 \ , \ x = 17 \ , \ y = 0 \ , \ v = 552 \\ w = 21 \ , \ h = 15 \ , \ x = 19 \ , \ y = 24 \ , \ v = 315 \\ w = 15 \ , \ h = 33 \ , \ x = 2 \ , \ y = 0 \ , \ v = 495 \\ w = 2 \ , \ h = 33 \ , \ x = 0 \ , \ y = 0 \ , \ v = 66 \end{array}$ 



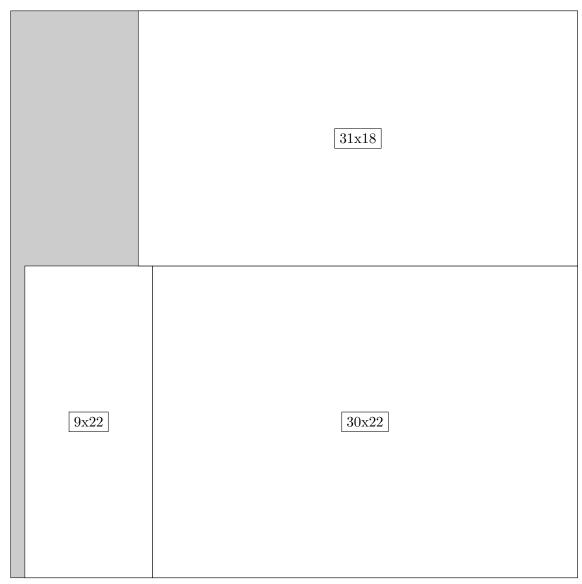
$$w = 32$$
,  $h = 25$ ,  $x = 8$ ,  $y = 0$ ,  $v = 800$ 

$$w=\!8$$
 ,  $h=\!23$  ,  $x=\!0$  ,  $y=\!0$  ,  $v=\!184$ 

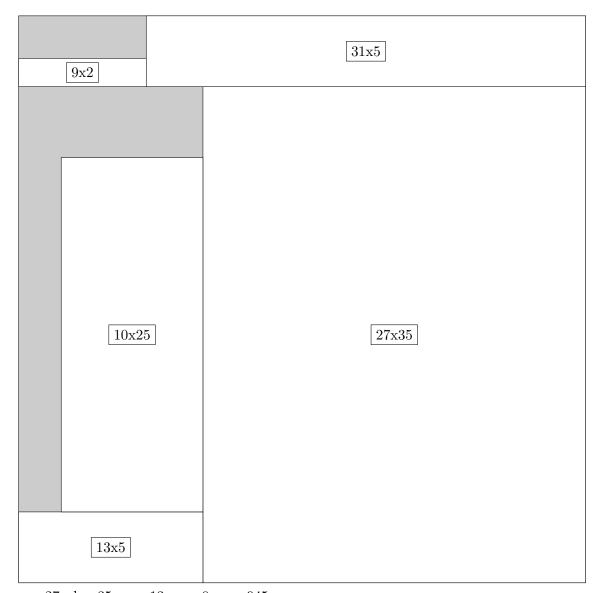
$$\le =23$$
 , h =10 , x =17 , y =25 , v =230

$$\le =22$$
 , h =4 , x =18 , y =35 , v =88

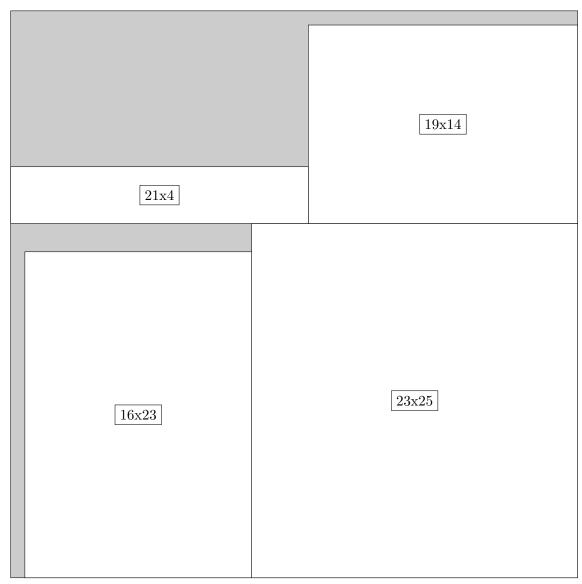
$$\mathbf{w}$$
 =12 , h =12 , x =5 , y =25 , v =144



$$\begin{array}{l} w = & 30 \ , \ h = & 22 \ , \ x = & 10 \ , \ y = & 0 \ , \ v = & 660 \\ w = & 9 \ , \ h = & 22 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 198 \\ w = & 31 \ , \ h = & 18 \ , \ x = & 9 \ , \ y = & 22 \ , \ v = & 558 \end{array}$$



$$\begin{array}{l} w=27 \;,\; h=35 \;,\; x=13 \;,\; y=0 \;,\; v=945 \\ w=13 \;,\; h=5 \;,\; x=0 \;,\; y=0 \;,\; v=65 \\ w=10 \;,\; h=25 \;,\; x=3 \;,\; y=5 \;,\; v=250 \\ w=31 \;,\; h=5 \;,\; x=9 \;,\; y=35 \;,\; v=155 \\ w=9 \;,\; h=2 \;,\; x=0 \;,\; y=35 \;,\; v=18 \end{array}$$

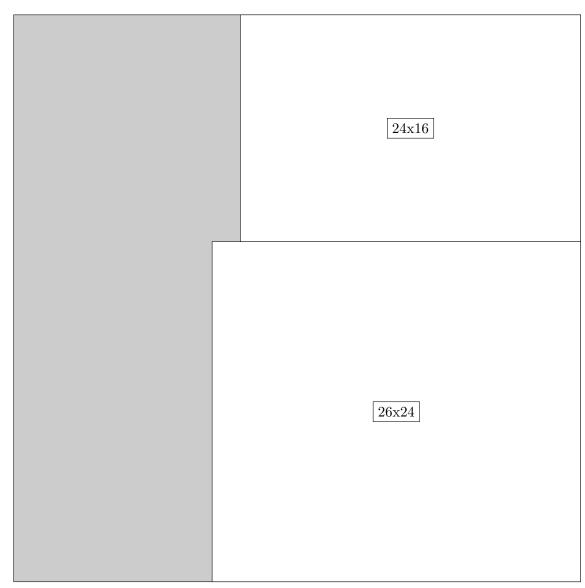


$$w=\!23$$
 ,  $h=\!25$  ,  $x=\!17$  ,  $y=\!0$  ,  $v=\!575$ 

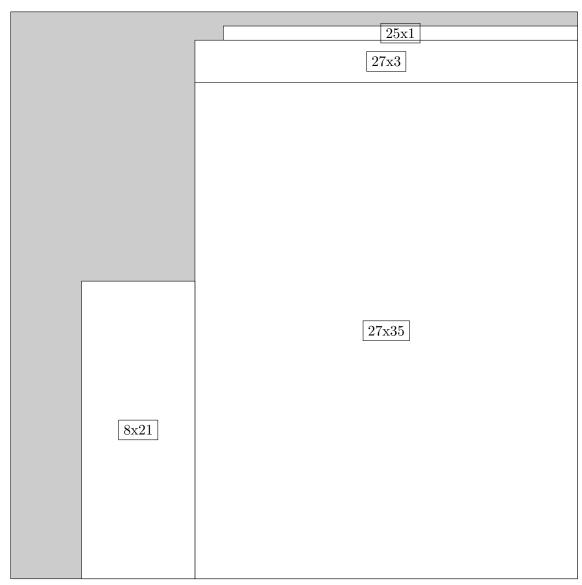
$$\le =16$$
 , h =23 , x =1 , y =0 , v =368

$$\le =19$$
 , h =14 , x =21 , y =25 , v =266

$$\mathbf{w}$$
 =21 , h =4 , x =0 , y =25 , v =84

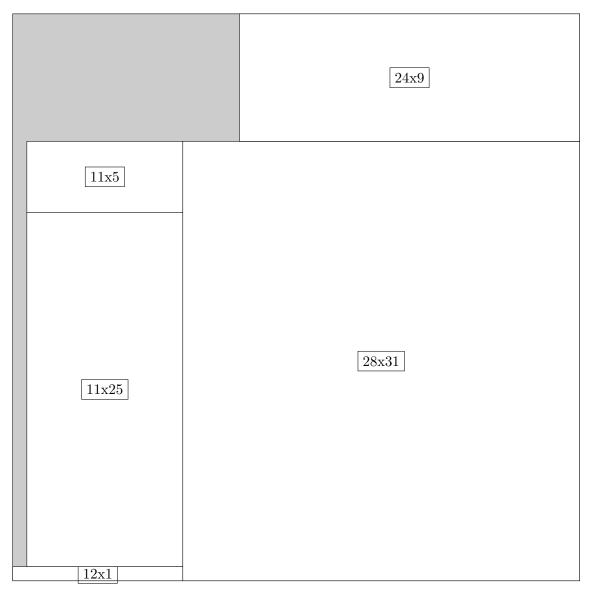


$$\begin{array}{l} w = \! 26 \ , \ h = \! 24 \ , \ x = \! 14 \ , \ y = \! 0 \ , \ v = \! 624 \\ w = \! 24 \ , \ h = \! 16 \ , \ x = \! 16 \ , \ y = \! 24 \ , \ v = \! 384 \end{array}$$



$$\begin{array}{l} w = \! 27 \ , \ h = \! 35 \ , \ x = \! 13 \ , \ y = \! 0 \ , \ v = \! 945 \\ w = \! 27 \ , \ h = \! 3 \ , \ x = \! 13 \ , \ y = \! 35 \ , \ v = \! 81 \end{array}$$

$$\le =25$$
 , h =1 , x =15 , y =38 , v =25



$$\begin{array}{l} w=28\;,\; h=31\;,\; x=12\;,\; y=0\;,\; v=868\\ w=12\;,\; h=1\;,\; x=0\;,\; y=0\;,\; v=12\\ w=11\;,\; h=25\;,\; x=1\;,\; y=1\;,\; v=275\\ w=11\;,\; h=5\;,\; x=1\;,\; y=26\;,\; v=55\\ w=24\;,\; h=9\;,\; x=16\;,\; y=31\;,\; v=216 \end{array}$$