${\bf ClassName:}~{\bf Class_03.2bp\text{-}20}$

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

TypeNum: <u>59</u> Num: <u>60</u> OutS: <u>25600</u> InS: <u>21567</u> Rate: <u>0.842</u> UB: <u>16</u> LB0: <u>16</u> LB: <u>16</u>

LBWithCut: $\underline{\mathbf{16}}$ NodeCut: $\underline{\mathbf{0}}$

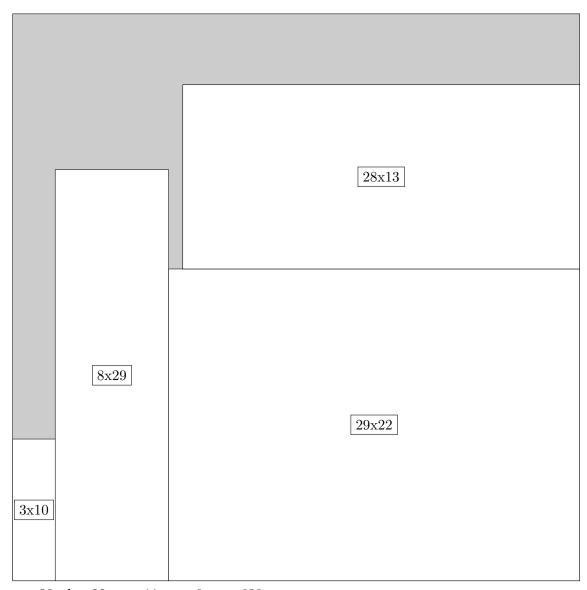
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{16}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

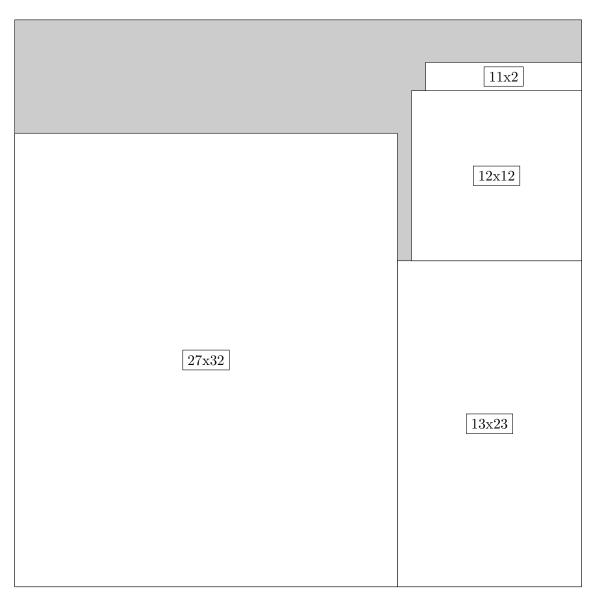
isOpt: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.079 sTotalTime: 600.375 s



 $\begin{array}{l} w=29 \ , \ h=22 \ , \ x=11 \ , \ y=0 \ , \ v=638 \\ w=28 \ , \ h=13 \ , \ x=12 \ , \ y=22 \ , \ v=364 \\ w=8 \ , \ h=29 \ , \ x=3 \ , \ y=0 \ , \ v=232 \\ w=3 \ , \ h=10 \ , \ x=0 \ , \ y=0 \ , \ v=30 \end{array}$

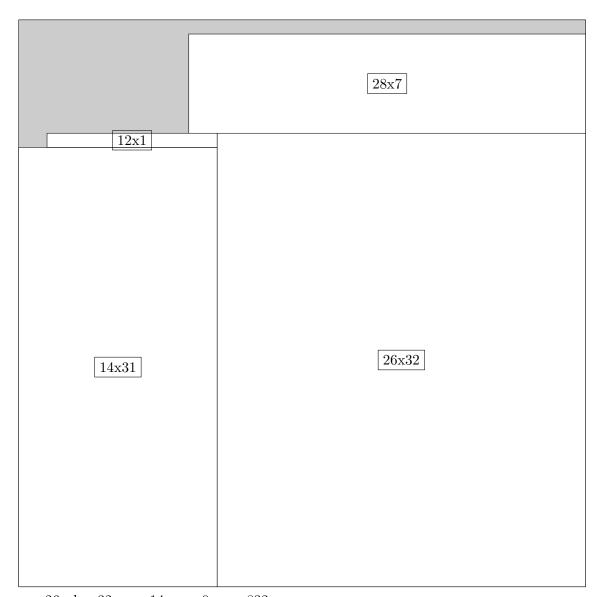


$$\le =13$$
 , h =23 , x =27 , y =0 , v =299

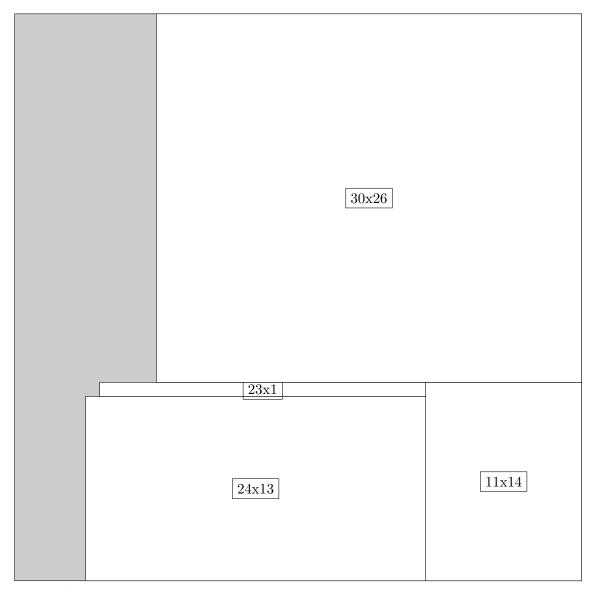
$$\le =12$$
 , h =12 , x =28 , y =23 , v =144

$$\le =11$$
 , h =2 , x =29 , y =35 , v =22

$$\mathbf{w}$$
 =27 , h =32 , x =0 , y =0 , v =864



 $\begin{array}{l} w=26 \ , \ h=32 \ , \ x=14 \ , \ y=0 \ , \ v=832 \\ w=14 \ , \ h=31 \ , \ x=0 \ , \ y=0 \ , \ v=434 \\ w=12 \ , \ h=1 \ , \ x=2 \ , \ y=31 \ , \ v=12 \\ w=28 \ , \ h=7 \ , \ x=12 \ , \ y=32 \ , \ v=196 \end{array}$

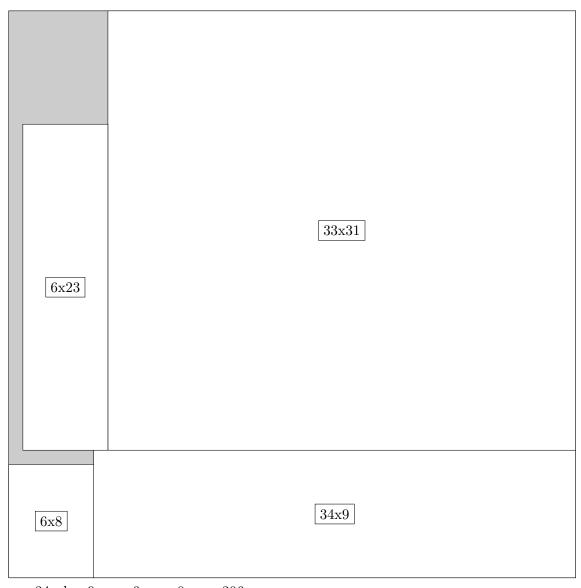


$$\mathbf{w}$$
 =11 , h =14 , x =29 , y =0 , v =154

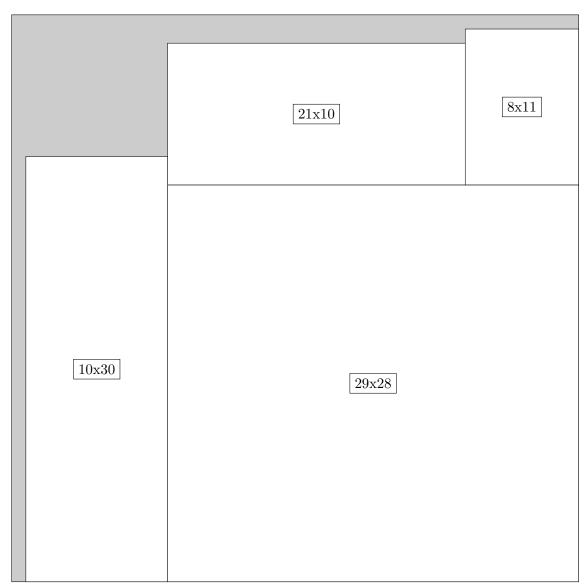
$$\le =24$$
 , h =13 , x =5 , y =0 , v =312

$$\le =23$$
 , h =1 , x =6 , y =13 , v =23

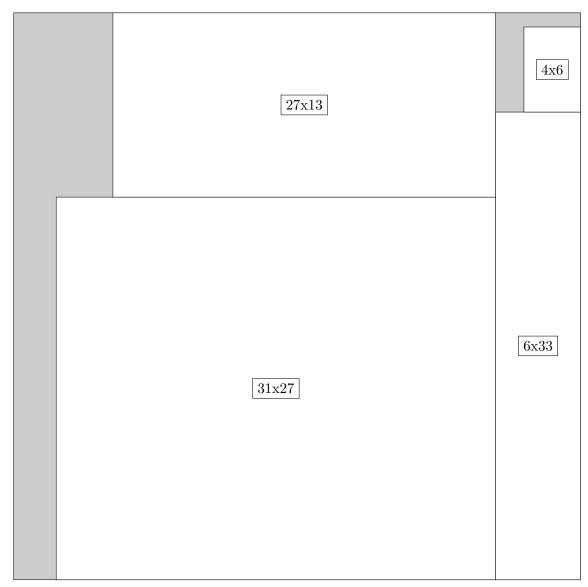
$$\mathbf{w}$$
 =30 , h =26 , x =10 , y =14 , v =780



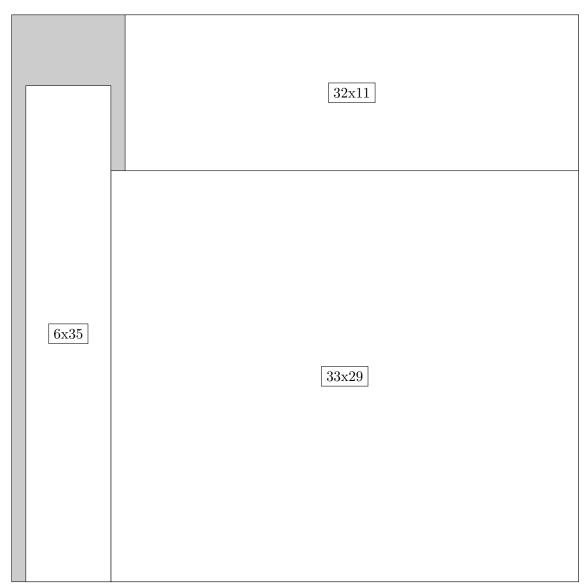
 $\begin{array}{l} w = \!\! 34 \; , \; h = \!\! 9 \; , \; x = \!\! 6 \; , \; y = \!\! 0 \; , \; v = \!\! 306 \\ w = \!\! 6 \; , \; h = \!\! 8 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 48 \\ w = \!\! 33 \; , \; h = \!\! 31 \; , \; x = \!\! 7 \; , \; y = \!\! 9 \; , \; v = \!\! 1023 \\ w = \!\! 6 \; , \; h = \!\! 23 \; , \; x = \!\! 1 \; , \; y = \!\! 9 \; , \; v = \!\! 138 \end{array}$



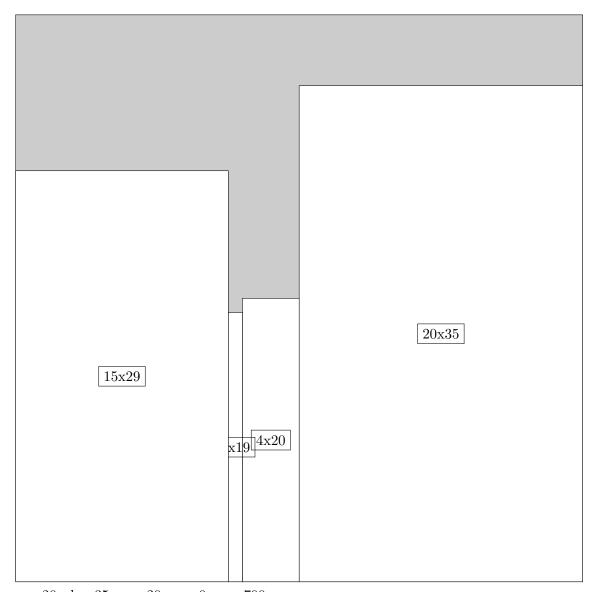
$$\begin{array}{l} w = 29 \ , \ h = 28 \ , \ x = 11 \ , \ y = 0 \ , \ v = 812 \\ w = 8 \ , \ h = 11 \ , \ x = 32 \ , \ y = 28 \ , \ v = 88 \\ w = 21 \ , \ h = 10 \ , \ x = 11 \ , \ y = 28 \ , \ v = 210 \\ w = 10 \ , \ h = 30 \ , \ x = 1 \ , \ y = 0 \ , \ v = 300 \end{array}$$



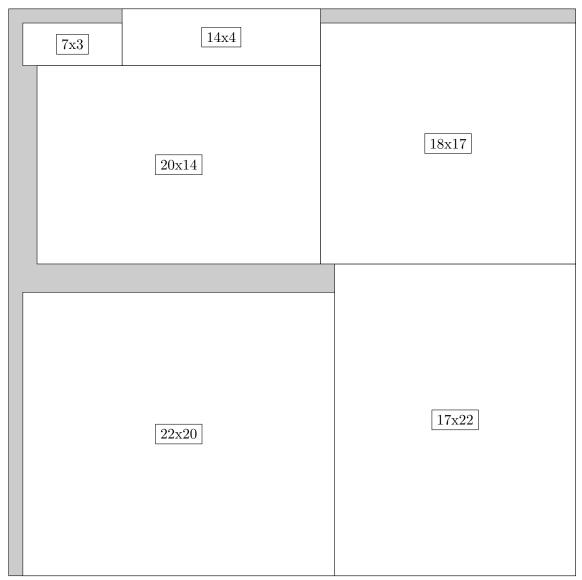
$$\begin{array}{l} w=6\ ,\, h=33\ ,\, x=34\ ,\, y=0\ ,\, v=198\\ w=4\ ,\, h=6\ ,\, x=36\ ,\, y=33\ ,\, v=24\\ w=31\ ,\, h=27\ ,\, x=3\ ,\, y=0\ ,\, v=837\\ w=27\ ,\, h=13\ ,\, x=7\ ,\, y=27\ ,\, v=351 \end{array}$$



 $\begin{array}{l} w = \! 33 \ , \ h = \! 29 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 957 \\ w = \! 32 \ , \ h = \! 11 \ , \ x = \! 8 \ , \ y = \! 29 \ , \ v = \! 352 \\ w = \! 6 \ , \ h = \! 35 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 210 \end{array}$



 $\begin{array}{l} w = 20 \ , \ h = 35 \ , \ x = 20 \ , \ y = 0 \ , \ v = 700 \\ w = 4 \ , \ h = 20 \ , \ x = 16 \ , \ y = 0 \ , \ v = 80 \\ w = 1 \ , \ h = 19 \ , \ x = 15 \ , \ y = 0 \ , \ v = 19 \\ w = 15 \ , \ h = 29 \ , \ x = 0 \ , \ y = 0 \ , \ v = 435 \end{array}$



$$\le =17$$
 , h =22 , x =23 , y =0 , v =374

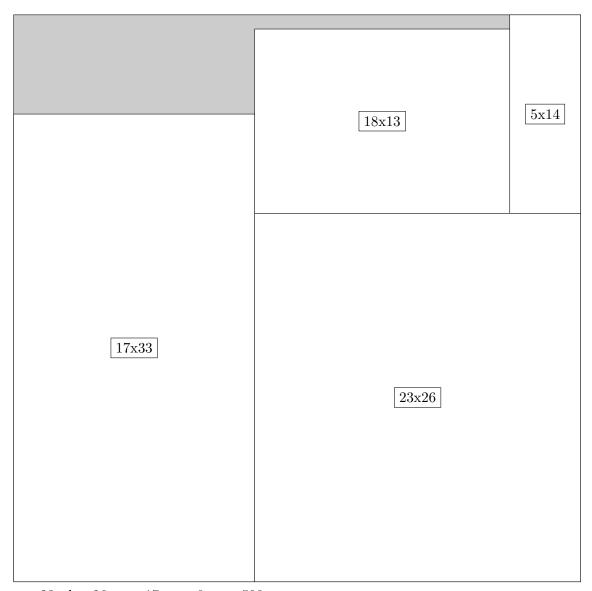
$$\le =22$$
 , h =20 , x =1 , y =0 , v =440

$$\le =18$$
 , h =17 , x =22 , y =22 , v =306

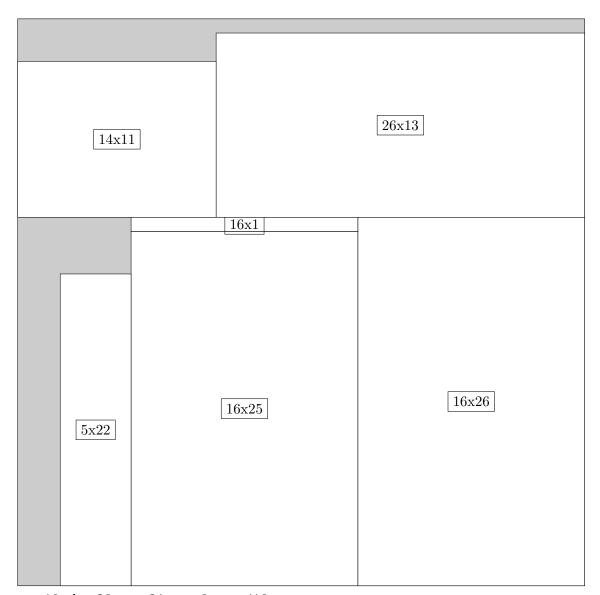
$$\le =20$$
 , h =14 , x =2 , y =22 , v =280

$$\le =14$$
 , $h=4$, $x=8$, $y=36$, $v=56$

$$\mathbf{w}$$
 =7 , h =3 , x =1 , y =36 , v =21



$$\begin{array}{l} w = 23 \ , \ h = 26 \ , \ x = 17 \ , \ y = 0 \ , \ v = 598 \\ w = 5 \ , \ h = 14 \ , \ x = 35 \ , \ y = 26 \ , \ v = 70 \\ w = 18 \ , \ h = 13 \ , \ x = 17 \ , \ y = 26 \ , \ v = 234 \\ w = 17 \ , \ h = 33 \ , \ x = 0 \ , \ y = 0 \ , \ v = 561 \end{array}$$

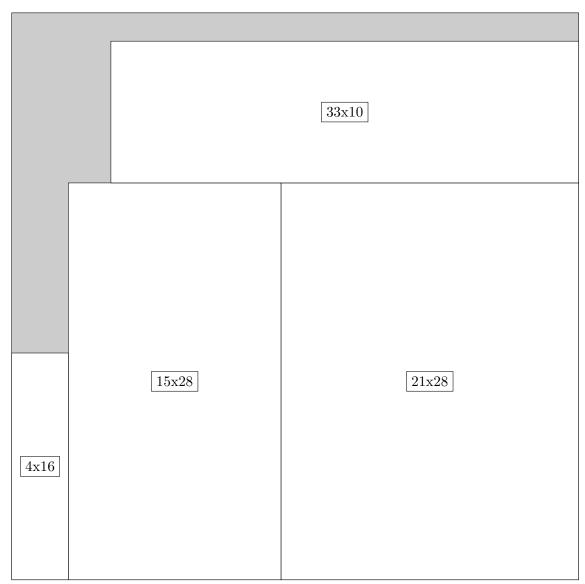


$$w = 16$$
, $h = 26$, $x = 24$, $y = 0$, $v = 416$
 $w = 16$, $h = 25$, $x = 8$, $y = 0$, $v = 400$

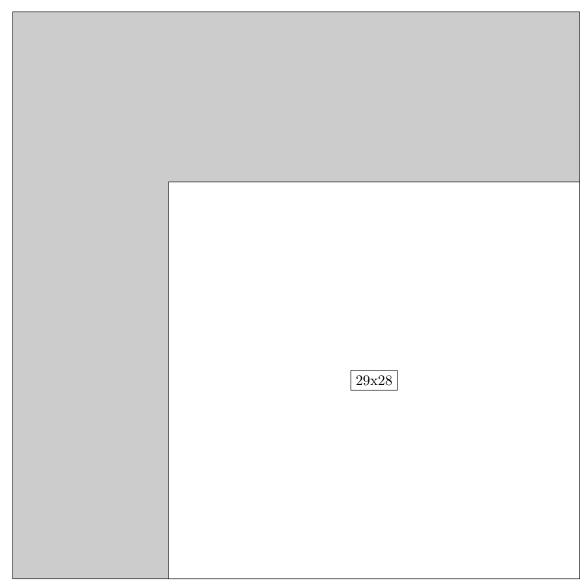
$$w=\!16$$
 , $h=\!1$, $x=\!8$, $y=\!25$, $v=\!16$

$$w = 5$$
, $h = 22$, $x = 3$, $y = 0$, $v = 110$

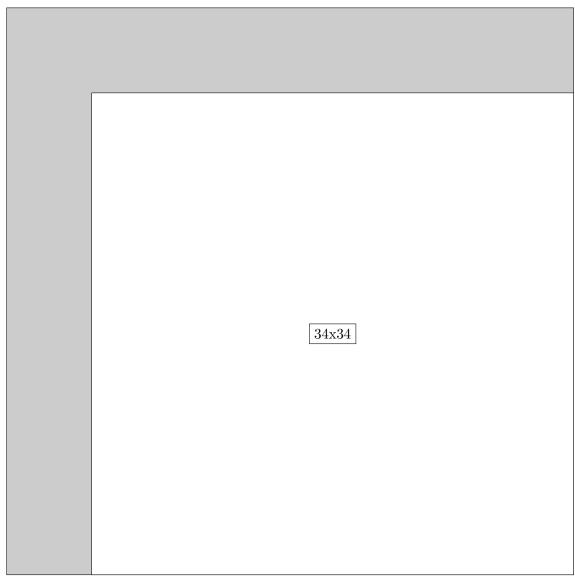
$$\mathbf{w}$$
 =14 , h =11 , x =0 , y =26 , v =154



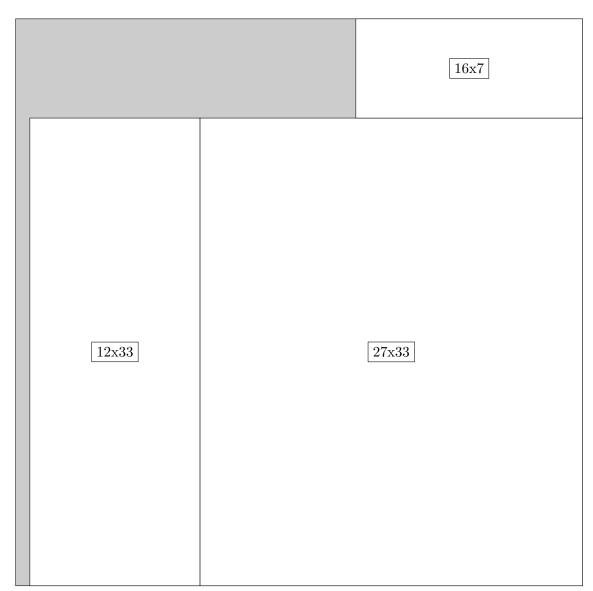
 $\begin{array}{l} w = 21 \ , \ h = 28 \ , \ x = 19 \ , \ y = 0 \ , \ v = 588 \\ w = 15 \ , \ h = 28 \ , \ x = 4 \ , \ y = 0 \ , \ v = 420 \\ w = 4 \ , \ h = 16 \ , \ x = 0 \ , \ y = 0 \ , \ v = 64 \\ w = 33 \ , \ h = 10 \ , \ x = 7 \ , \ y = 28 \ , \ v = 330 \end{array}$



 $\le =29$, h =28 , x =11 , y =0 , v =812



 $\le =34$, h =34 , x =6 , y =0 , v =1156



$$\begin{array}{l} w = \! 27 \; , \; h = \! 33 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 891 \\ w = \! 16 \; , \; h = \! 7 \; , \; x = \! 24 \; , \; y = \! 33 \; , \; v = \! 112 \\ w = \! 12 \; , \; h = \! 33 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 396 \end{array}$$