${\bf ClassName:}~{\bf Class_03.2bp\text{-}21}$

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

TypeNum: <u>58</u>
Num: <u>60</u>
OutS: <u>20800</u>
InS: <u>18220</u>
Rate: <u>0.876</u>
UB: <u>13</u>
LB0: <u>13</u>

LB: $\underline{\mathbf{13}}$ LBWithCut: $\underline{\mathbf{13}}$ NodeCut: $\underline{\mathbf{0}}$

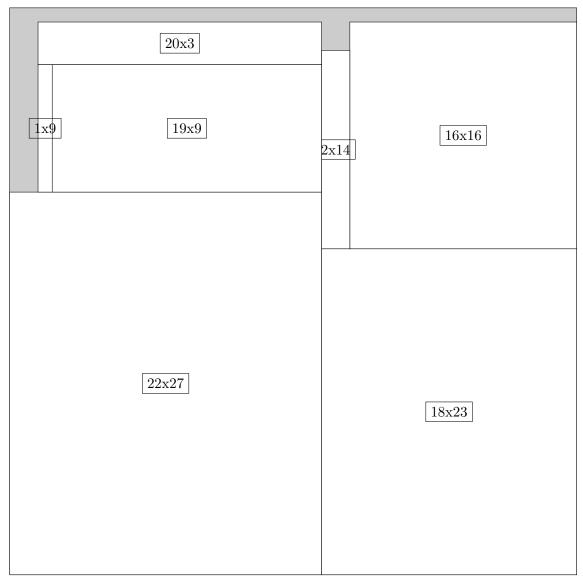
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{13}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

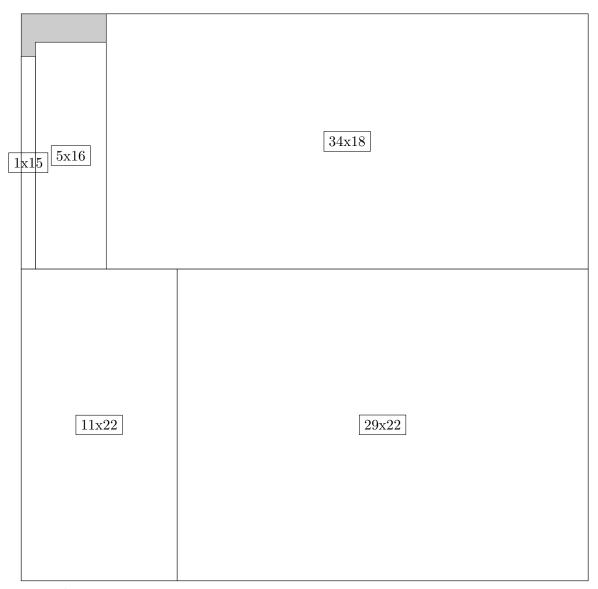
isOpt: $\underline{\mathbf{true}}$

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

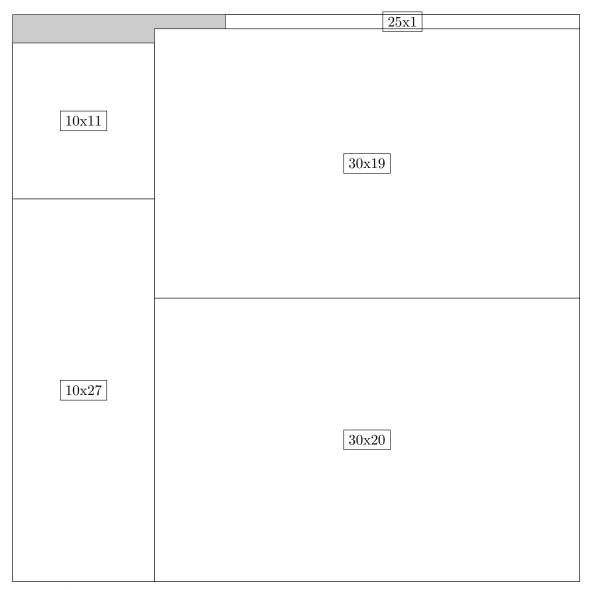
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.328 s



$$\begin{array}{l} w=18\;,\; h=23\;,\; x=22\;,\; y=0\;,\; v=414\\ w=16\;,\; h=16\;,\; x=24\;,\; y=23\;,\; v=256\\ w=2\;,\; h=14\;,\; x=22\;,\; y=23\;,\; v=28\\ w=22\;,\; h=27\;,\; x=0\;,\; y=0\;,\; v=594\\ w=19\;,\; h=9\;,\; x=3\;,\; y=27\;,\; v=171\\ w=1\;,\; h=9\;,\; x=2\;,\; y=27\;,\; v=9\\ w=20\;,\; h=3\;,\; x=2\;,\; y=36\;,\; v=60 \end{array}$$



$$\begin{array}{l} w=29\;,\; h=22\;,\; x=11\;,\; y=0\;,\; v=638\\ w=11\;,\; h=22\;,\; x=0\;,\; y=0\;,\; v=242\\ w=34\;,\; h=18\;,\; x=6\;,\; y=22\;,\; v=612\\ w=5\;,\; h=16\;,\; x=1\;,\; y=22\;,\; v=80\\ w=1\;,\; h=15\;,\; x=0\;,\; y=22\;,\; v=15 \end{array}$$



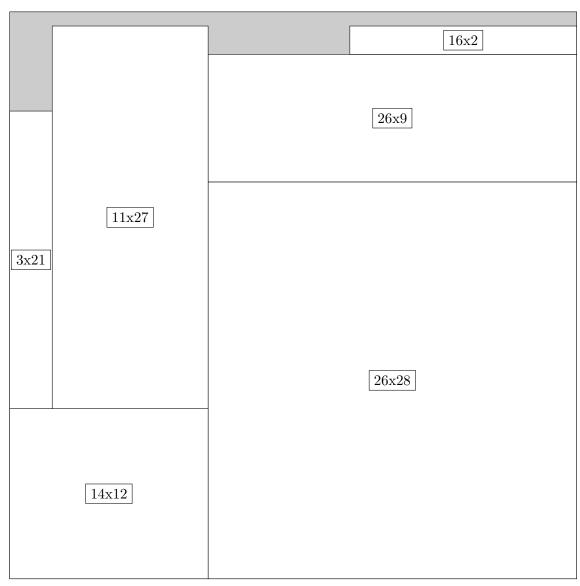
$$w = 30$$
, $h = 20$, $x = 10$, $y = 0$, $v = 600$

$$\le =30$$
 , h =19 , x =10 , y =20 , v =570

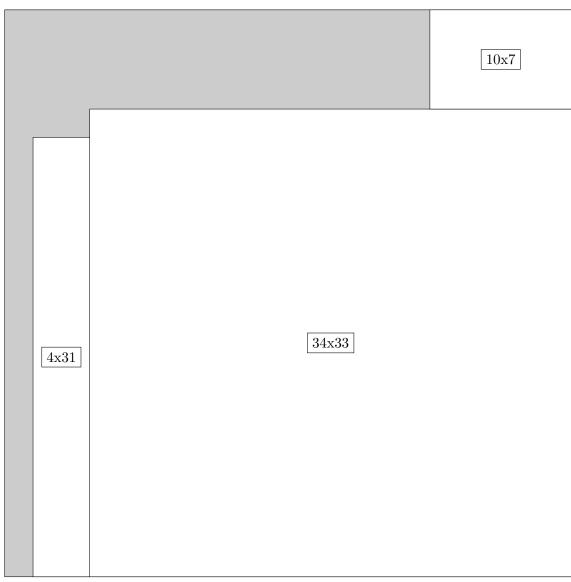
$$\le =25$$
 , h =1 , x =15 , y =39 , v =25

$$\le =10$$
 , h =27 , x =0 , y =0 , v =270

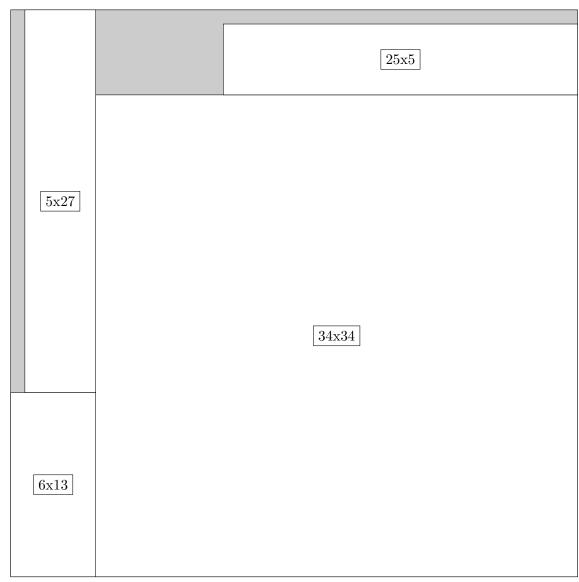
$$\le =10$$
 , h =11 , x =0 , y =27 , v =110



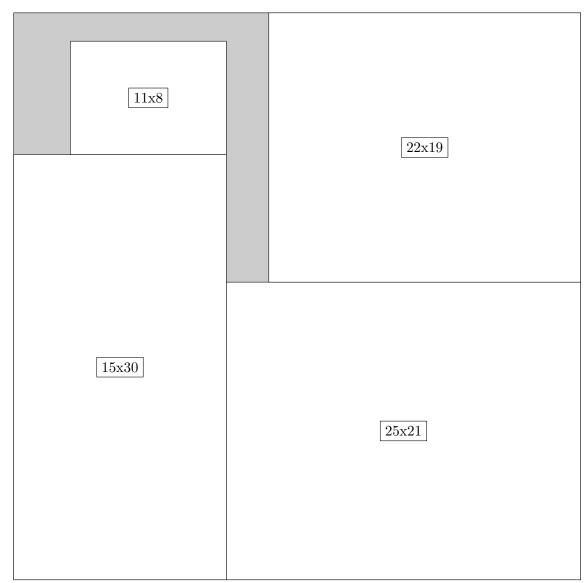
$$\begin{array}{l} w=26 \ , \ h=28 \ , \ x=14 \ , \ y=0 \ , \ v=728 \\ w=26 \ , \ h=9 \ , \ x=14 \ , \ y=28 \ , \ v=234 \\ w=16 \ , \ h=2 \ , \ x=24 \ , \ y=37 \ , \ v=32 \\ w=14 \ , \ h=12 \ , \ x=0 \ , \ y=0 \ , \ v=168 \\ w=11 \ , \ h=27 \ , \ x=3 \ , \ y=12 \ , \ v=297 \\ w=3 \ , \ h=21 \ , \ x=0 \ , \ y=12 \ , \ v=63 \end{array}$$



 $\begin{array}{l} w = \! 34 \; , \; h = \! 33 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 1122 \\ w = \! 10 \; , \; h = \! 7 \; , \; x = \! 30 \; , \; y = \! 33 \; , \; v = \! 70 \\ w = \! 4 \; , \; h = \! 31 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 124 \end{array}$



 $\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 34 \ , \ x = \!\! 6 \ , \ y = \!\! 0 \ , \ v = \!\! 1156 \\ w = \!\! 25 \ , \ h = \!\! 5 \ , \ x = \!\! 15 \ , \ y = \!\! 34 \ , \ v = \!\! 125 \\ w = \!\! 6 \ , \ h = \!\! 13 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 78 \\ w = \!\! 5 \ , \ h = \!\! 27 \ , \ x = \!\! 1 \ , \ y = \!\! 13 \ , \ v = \!\! 135 \end{array}$

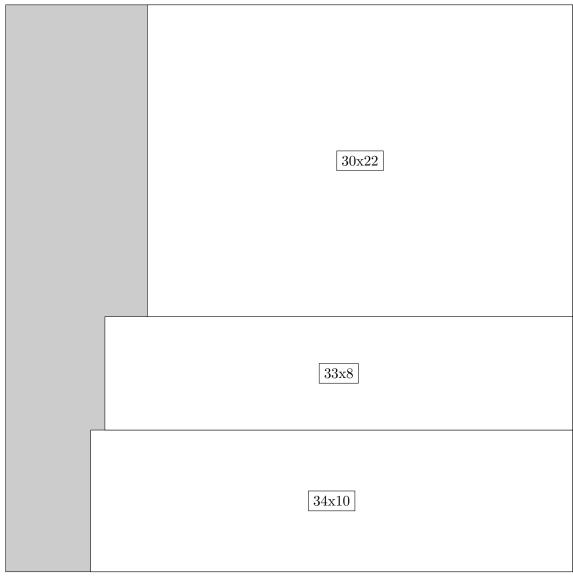


$$\le =25$$
 , h =21 , x =15 , y =0 , v =525

$$w=\!22$$
 , $h=\!19$, $x=\!18$, $y=\!21$, $v=\!418$

$$\le =15$$
 , h =30 , x =0 , y =0 , v =450

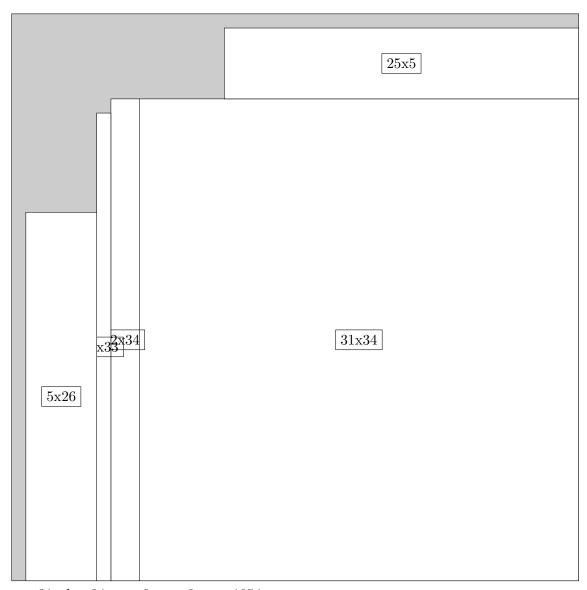
$$\le =11$$
 , h =8 , x =4 , y =30 , v =88



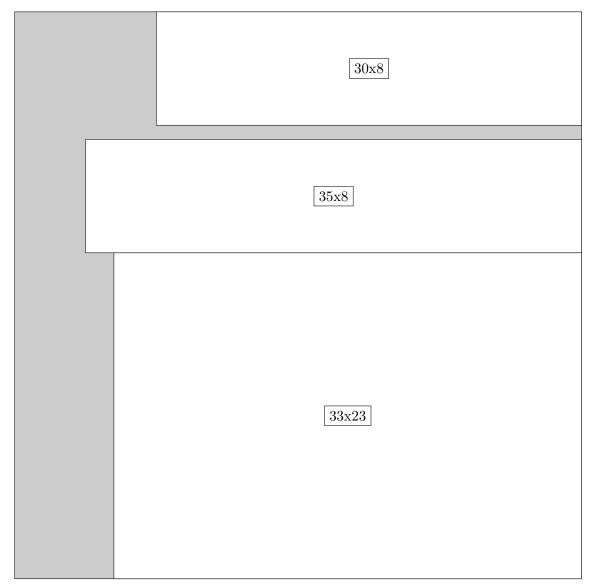
$$\le 34$$
 , h =
10 , x =
6 , y =
0 , v =
340

$$\le =33$$
 , h =8 , x =7 , y =10 , v =
264

$$\le =30$$
 , h =22 , x =10 , y =18 , v =660



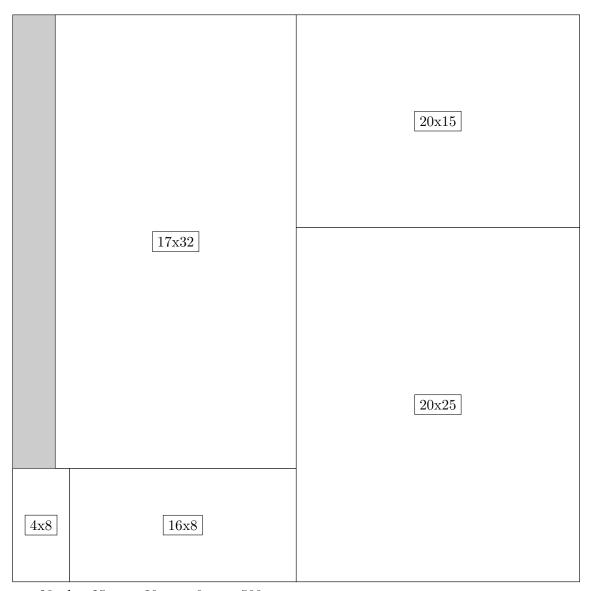
 $\begin{array}{l} w = & 31 \;,\; h = & 34 \;,\; x = & 9 \;,\; y = & 0 \;,\; v = & 1054 \\ w = & 2 \;,\; h = & 34 \;,\; x = & 7 \;,\; y = & 0 \;,\; v = & 68 \\ w = & 1 \;,\; h = & 33 \;,\; x = & 6 \;,\; y = & 0 \;,\; v = & 33 \\ w = & 5 \;,\; h = & 26 \;,\; x = & 1 \;,\; y = & 0 \;,\; v = & 130 \\ w = & 25 \;,\; h = & 5 \;,\; x = & 15 \;,\; y = & 34 \;,\; v = & 125 \end{array}$



$$w = 33$$
, $h = 23$, $x = 7$, $y = 0$, $v = 759$

$$\le =35$$
 , h =8 , x =5 , y =23 , v =280

$$\le =30$$
 , h =8 , x =10 , y =32 , v =240

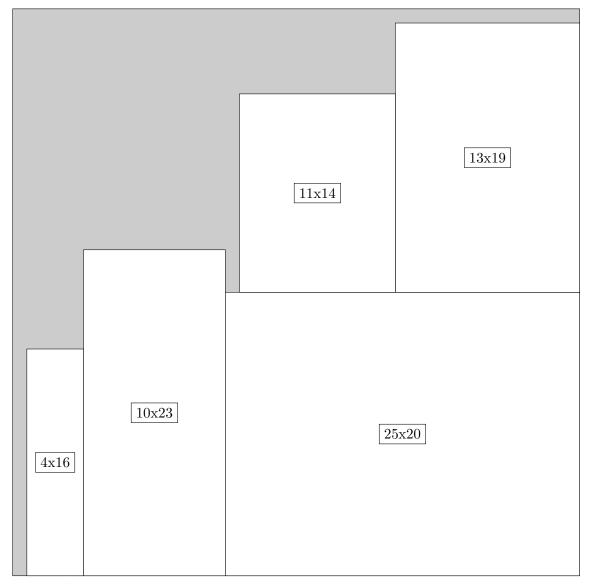


$$\begin{array}{l} w = 20 \ , \ h = 25 \ , \ x = 20 \ , \ y = 0 \ , \ v = 500 \\ w = 20 \ , \ h = 15 \ , \ x = 20 \ , \ y = 25 \ , \ v = 300 \end{array}$$

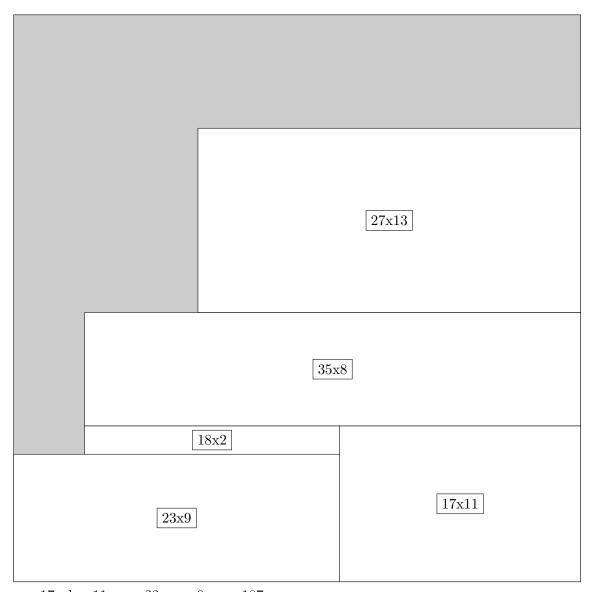
$$w = 16$$
, $h = 8$, $x = 4$, $y = 0$, $v = 128$

$$\mathbf{w}$$
 =4 , h =8 , x =0 , y =0 , v =32

$$w = 17$$
, $h = 32$, $x = 3$, $y = 8$, $v = 544$



$$\begin{array}{l} w=25 \ , \ h=20 \ , \ x=15 \ , \ y=0 \ , \ v=500 \\ w=13 \ , \ h=19 \ , \ x=27 \ , \ y=20 \ , \ v=247 \\ w=11 \ , \ h=14 \ , \ x=16 \ , \ y=20 \ , \ v=154 \\ w=10 \ , \ h=23 \ , \ x=5 \ , \ y=0 \ , \ v=230 \\ w=4 \ , \ h=16 \ , \ x=1 \ , \ y=0 \ , \ v=64 \end{array}$$



$$\le =17$$
 , h =11 , x =23 , y =0 , v =187

$$\le =23$$
 , h =9 , x =0 , y =0 , v =
207

$$\le =18$$
 , h =2 , x =5 , y =9 , v =36

$$\le =35$$
 , h =8 , x =5 , y =11 , v =280

$$\le =27$$
 , h =13 , x =13 , y =19 , v =351