$ClassName: \ Class\_03.2bp-25$ 

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

TypeNum: <u>59</u>
Num: <u>60</u>
OutS: <u>19200</u>
InS: <u>17703</u>
Rate: <u>0.922</u>
UB: <u>12</u>
LB0: <u>12</u>
LB: <u>12</u>

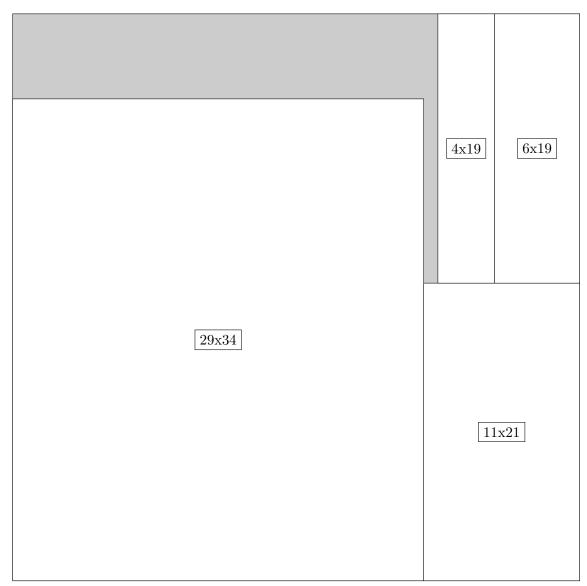
LBWithCut:  $\underline{12}$ NodeCut:  $\underline{0}$ PrimalNode:  $\underline{0}$ ColumnCount:  $\underline{12}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{1}$ PricingSolverCnt:  $\underline{0}$ BranchAndBoundNum:  $\underline{1}$ 

isOpt: **true** 

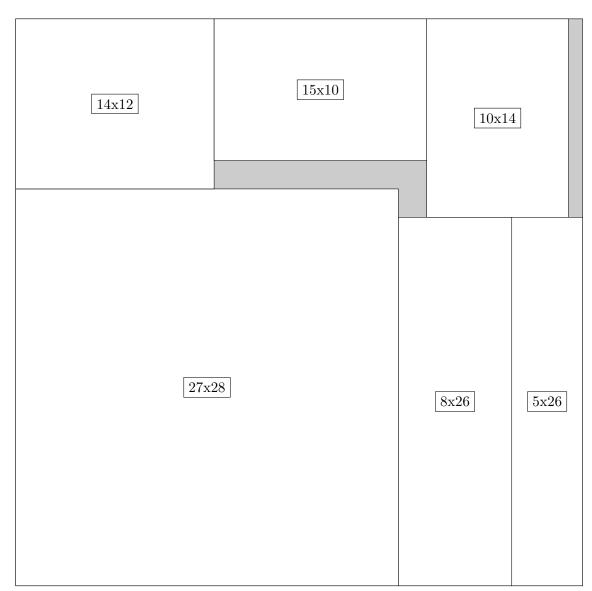
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 0.125 s

8x4 23x5 11x2 11x229x35 11x31

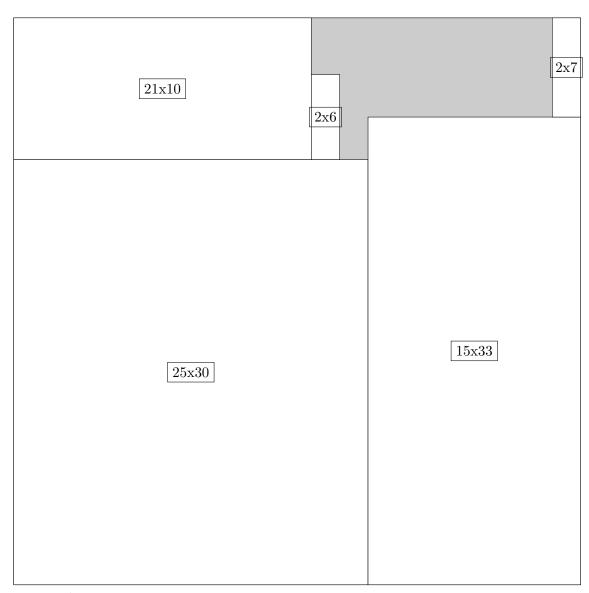
$$\begin{array}{l} w=29 \ , \ h=35 \ , \ x=0 \ , \ y=0 \ , \ v=1015 \\ w=11 \ , \ h=31 \ , \ x=29 \ , \ y=0 \ , \ v=341 \\ w=23 \ , \ h=5 \ , \ x=0 \ , \ y=35 \ , \ v=115 \\ w=8 \ , \ h=4 \ , \ x=23 \ , \ y=36 \ , \ v=32 \\ w=11 \ , \ h=2 \ , \ x=29 \ , \ y=31 \ , \ v=22 \\ w=11 \ , \ h=2 \ , \ x=29 \ , \ y=33 \ , \ v=22 \end{array}$$



 $\begin{array}{l} w=29 \ , \ h=34 \ , \ x=0 \ , \ y=0 \ , \ v=986 \\ w=11 \ , \ h=21 \ , \ x=29 \ , \ y=0 \ , \ v=231 \\ w=6 \ , \ h=19 \ , \ x=34 \ , \ y=21 \ , \ v=114 \\ w=4 \ , \ h=19 \ , \ x=30 \ , \ y=21 \ , \ v=76 \end{array}$ 



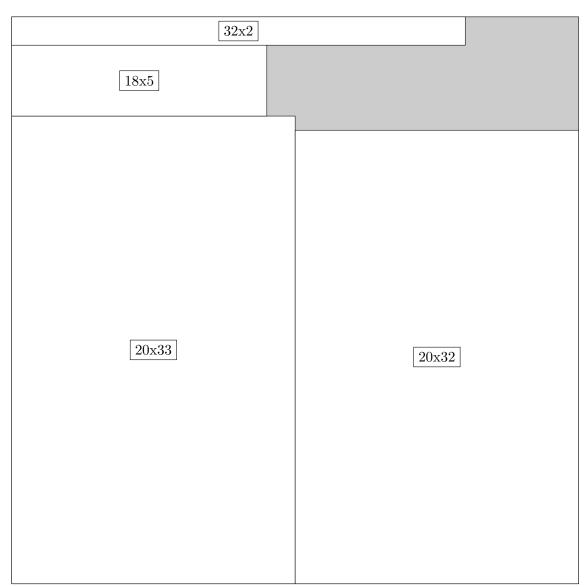
$$\begin{array}{l} w=27 \;,\; h=28 \;,\; x=0 \;,\; y=0 \;,\; v=756 \\ w=8 \;,\; h=26 \;,\; x=27 \;,\; y=0 \;,\; v=208 \\ w=14 \;,\; h=12 \;,\; x=0 \;,\; y=28 \;,\; v=168 \\ w=15 \;,\; h=10 \;,\; x=14 \;,\; y=30 \;,\; v=150 \\ w=10 \;,\; h=14 \;,\; x=29 \;,\; y=26 \;,\; v=140 \\ w=5 \;,\; h=26 \;,\; x=35 \;,\; y=0 \;,\; v=130 \end{array}$$



$$\begin{array}{l} w = 25 \ , \ h = 30 \ , \ x = 0 \ , \ y = 0 \ , \ v = 750 \\ w = 15 \ , \ h = 33 \ , \ x = 25 \ , \ y = 0 \ , \ v = 495 \\ w = 21 \ , \ h = 10 \ , \ x = 0 \ , \ y = 30 \ , \ v = 210 \\ w = 2 \ , \ h = 7 \ , \ x = 38 \ , \ y = 33 \ , \ v = 14 \\ w = 2 \ , \ h = 6 \ , \ x = 21 \ , \ y = 30 \ , \ v = 12 \end{array}$$

25x16	15x2
$25\mathrm{x}24$	15x31

$$\begin{array}{l} w = 25 \ , \ h = 24 \ , \ x = 0 \ , \ y = 0 \ , \ v = 600 \\ w = 15 \ , \ h = 31 \ , \ x = 25 \ , \ y = 0 \ , \ v = 465 \\ w = 25 \ , \ h = 16 \ , \ x = 0 \ , \ y = 24 \ , \ v = 400 \\ w = 15 \ , \ h = 2 \ , \ x = 25 \ , \ y = 31 \ , \ v = 30 \end{array}$$

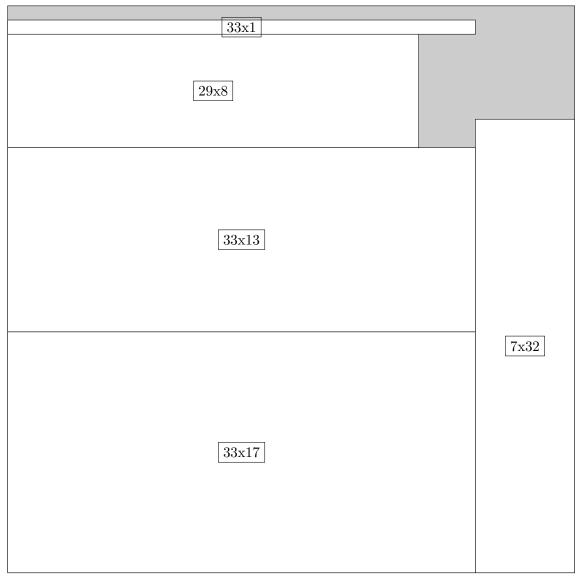


$$\le =20$$
 , h =33 , x =0 , y =0 , v =660

$$\mathbf{w}$$
 =20 ,  $\mathbf{h}$  =32 ,  $\mathbf{x}$  =20 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =640

$$\le =18$$
 , h =5 , x =0 , y =33 , v =90

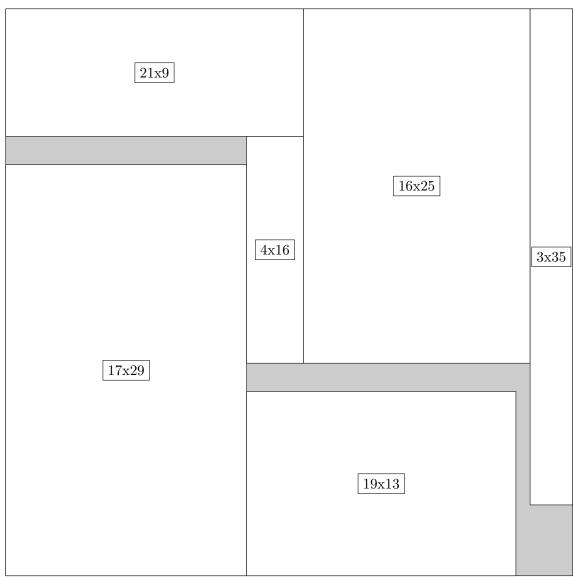
$$\le 32$$
 ,  $\le 2$  ,  $\ge 38$  ,  $\le 38$  ,  $\le 64$ 



$$\begin{array}{l} w = \! 33 \; , \; h = \! 17 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 561 \\ w = \! 33 \; , \; h = \! 13 \; , \; x = \! 0 \; , \; y = \! 17 \; , \; v = \! 429 \\ w = \! 29 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 30 \; , \; v = \! 232 \\ w = \! 7 \; , \; h = \! 32 \; , \; x = \! 33 \; , \; y = \! 0 \; , \; v = \! 224 \\ w = \! 33 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 38 \; , \; v = \! 33 \end{array}$$

33x11	
[31x13]	9x2
[31x16]	9x27

$$\begin{array}{l} w = & 31 \;,\; h = & 13 \;,\; x = & 0 \;,\; y = & 16 \;,\; v = & 403 \\ w = & 9 \;,\; h = & 27 \;,\; x = & 31 \;,\; y = & 0 \;,\; v = & 243 \\ w = & 31 \;,\; h = & 16 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 496 \\ w = & 33 \;,\; h = & 11 \;,\; x = & 7 \;,\; y = & 29 \;,\; v = & 363 \\ w = & 9 \;,\; h = & 2 \;,\; x = & 31 \;,\; y = & 27 \;,\; v = & 18 \end{array}$$



$$\le =17$$
 , h =29 , x =0 , y =0 , v =493

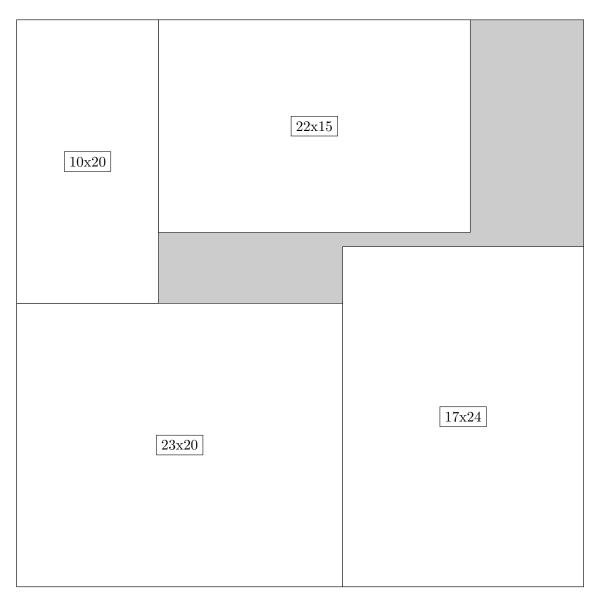
$$\le =16$$
 ,  $h$  =25 ,  $x$  =21 ,  $y$  =15 ,  $v$  =400

$$\le =19$$
 ,  $h$  =13 ,  $x$  =17 ,  $y$  =0 ,  $v$  =247

$$\le =21$$
 , h =9 , x =0 , y =31 , v =189

$$w$$
 =3 , h =35 , x =37 , y =5 , v =105

$$\mathbf{w}$$
 =4 , h =16 , x =17 , y =15 , v =64

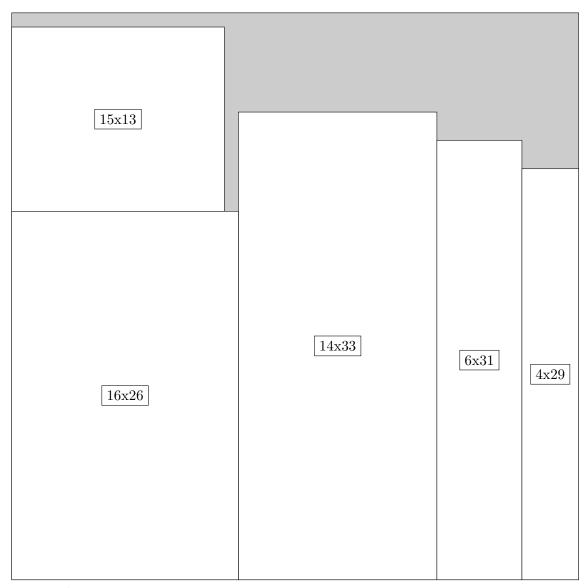


$$\begin{array}{l} w = \! 23 \ , \ h = \! 20 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 460 \\ w = \! 17 \ , \ h = \! 24 \ , \ x = \! 23 \ , \ y = \! 0 \ , \ v = \! 408 \end{array}$$

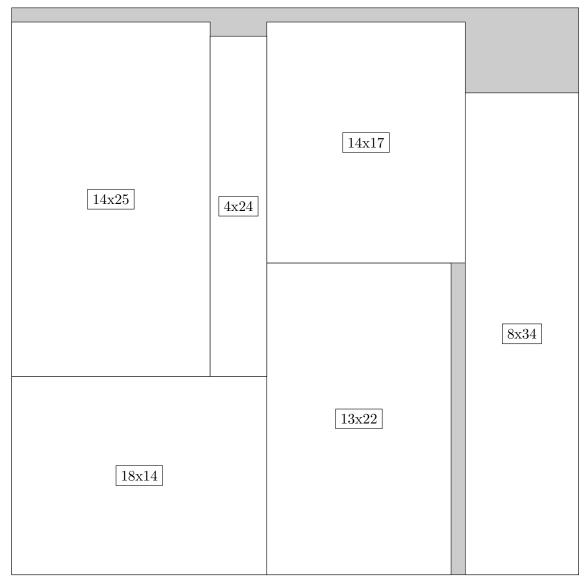
$$\le =22$$
 ,  $h$  =15 ,  $x$  =10 ,  $y$  =25 ,  $v$  =330

$$W = 22$$
,  $H = 15$ ,  $X = 10$ ,  $Y = 25$ ,  $V = 350$ 

$$\le =10$$
 ,  $h$  =20 ,  $x$  =0 ,  $y$  =20 ,  $v$  =200



 $\begin{array}{l} w = \! 14 \; , \; h = \! 33 \; , \; x = \! 16 \; , \; y = \! 0 \; , \; v = \! 462 \\ w = \! 16 \; , \; h = \! 26 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 416 \\ w = \! 15 \; , \; h = \! 13 \; , \; x = \! 0 \; , \; y = \! 26 \; , \; v = \! 195 \\ w = \! 6 \; , \; h = \! 31 \; , \; x = \! 30 \; , \; y = \! 0 \; , \; v = \! 186 \\ w = \! 4 \; , \; h = \! 29 \; , \; x = \! 36 \; , \; y = \! 0 \; , \; v = \! 116 \end{array}$ 



$$\begin{array}{l} w=18\;,\; h=14\;,\; x=0\;,\; y=0\;,\; v=252\\ w=14\;,\; h=25\;,\; x=0\;,\; y=14\;,\; v=350\\ w=13\;,\; h=22\;,\; x=18\;,\; y=0\;,\; v=286\\ w=8\;,\; h=34\;,\; x=32\;,\; y=0\;,\; v=272\\ w=14\;,\; h=17\;,\; x=18\;,\; y=22\;,\; v=238\\ w=4\;,\; h=24\;,\; x=14\;,\; y=14\;,\; v=96 \end{array}$$