$ClassName: \ Class_03.2bp-22$

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

TypeNum: <u>60</u>
Num: <u>60</u>
OutS: <u>22400</u>
InS: <u>19664</u>
Rate: <u>0.878</u>
UB: <u>14</u>
LB0: <u>13</u>
LB: **1**4

LBWithCut: $\underline{\mathbf{14}}$ NodeCut: $\underline{\mathbf{0}}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{177}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{164}}$ PricingSolverCnt: $\underline{\mathbf{164}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

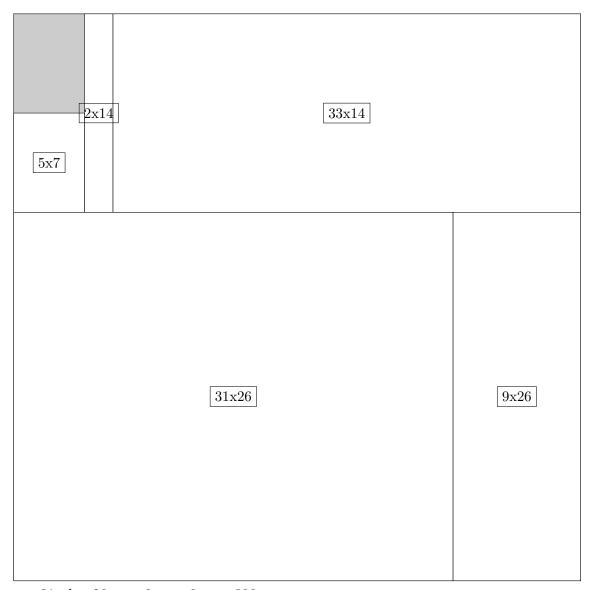
isOpt: $\underline{\mathbf{true}}$

TimeOnInitSolution: $\underline{120.010 \text{ s}}$

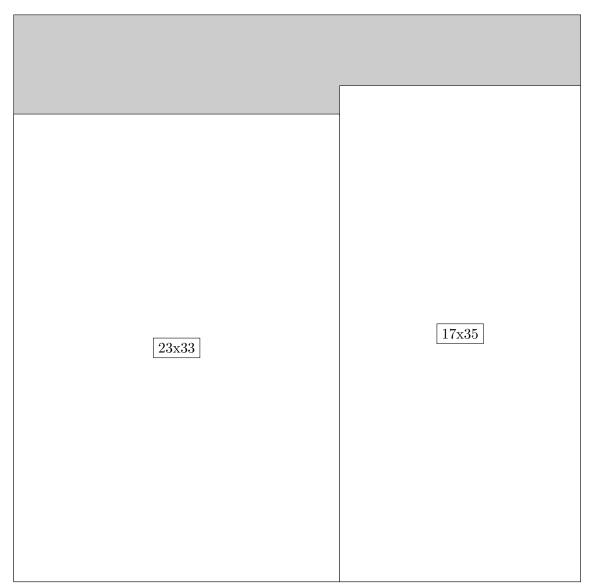
TimeOnPrimal: <u>0.000 s</u>
TimeOnPricing: <u>117.806 s</u>
TimeOnRmp: <u>0.163 s</u>
TotalTime: <u>238.103 s</u>

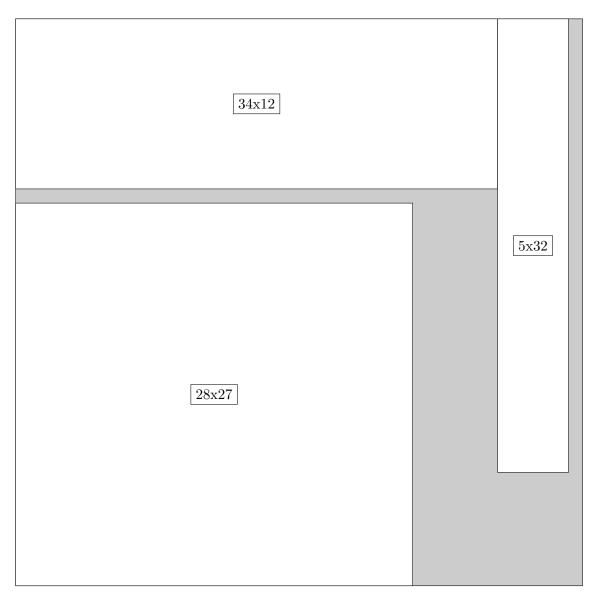
27x5	[9x5]	
28x33	12x35	

$$\begin{array}{l} w=28 \ , \ h=33 \ , \ x=0 \ , \ y=0 \ , \ v=924 \\ w=12 \ , \ h=35 \ , \ x=28 \ , \ y=0 \ , \ v=420 \\ w=27 \ , \ h=5 \ , \ x=0 \ , \ y=35 \ , \ v=135 \\ w=9 \ , \ h=5 \ , \ x=27 \ , \ y=35 \ , \ v=45 \end{array}$$

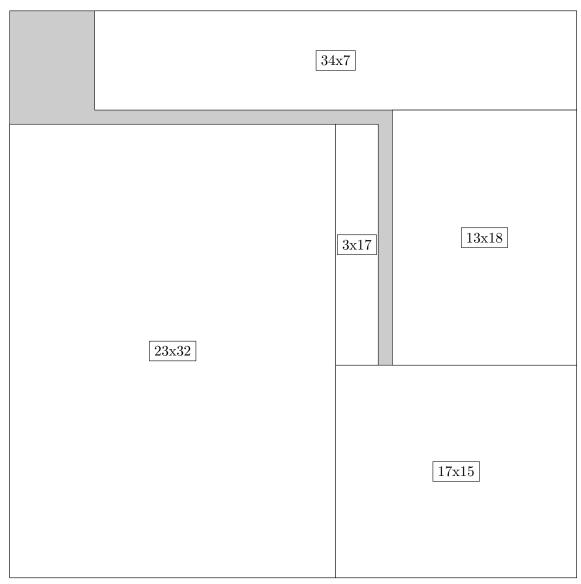


$$\begin{array}{l} w = \! 31 \; , \; h = \! 26 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 806 \\ w = \! 33 \; , \; h = \! 14 \; , \; x = \! 7 \; , \; y = \! 26 \; , \; v = \! 462 \\ w = \! 9 \; , \; h = \! 26 \; , \; x = \! 31 \; , \; y = \! 0 \; , \; v = \! 234 \\ w = \! 5 \; , \; h = \! 7 \; , \; x = \! 0 \; , \; y = \! 26 \; , \; v = \! 35 \\ w = \! 2 \; , \; h = \! 14 \; , \; x = \! 5 \; , \; y = \! 26 \; , \; v = \! 28 \end{array}$$





$$\begin{array}{l} w = 28 \; , \; h = 27 \; , \; x = 0 \; , \; y = 0 \; , \; v = 756 \\ w = 34 \; , \; h = 12 \; , \; x = 0 \; , \; y = 28 \; , \; v = 408 \\ w = 5 \; , \; h = 32 \; , \; x = 34 \; , \; y = 8 \; , \; v = 160 \end{array}$$



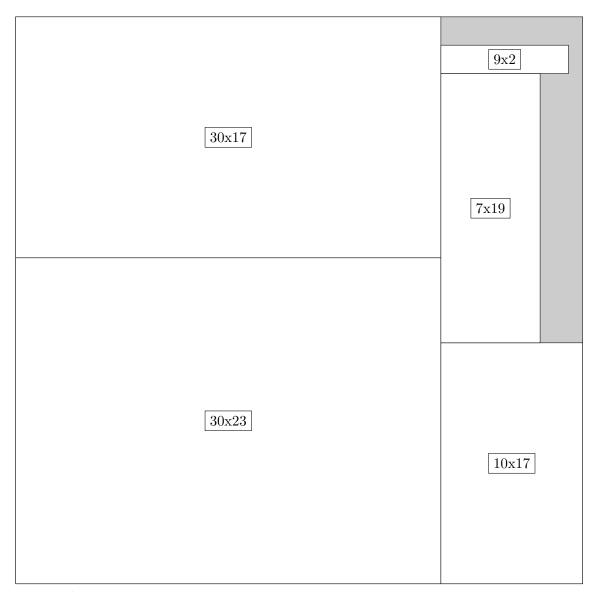
$$w = 23$$
, $h = 32$, $x = 0$, $y = 0$, $v = 736$

$$\le =17$$
 , h =15 , x =23 , y =0 , v =255

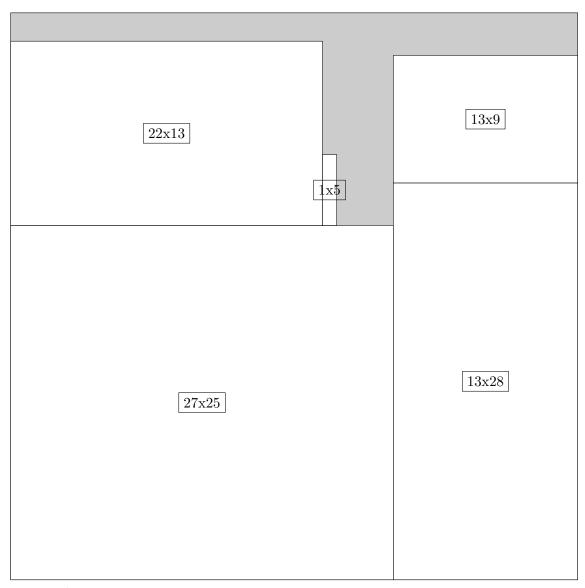
$$\le 34$$
 , h =7 , x =6 , y =33 , v =238

$$w=\!13$$
 , $h=\!18$, $x=\!27$, $y=\!15$, $v=\!234$

$$w=3$$
 , $h=\!17$, $x=\!23$, $y=\!15$, $v=\!51$



$$\begin{array}{l} w = & 30 \;,\; h = & 23 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 690 \\ w = & 30 \;,\; h = & 17 \;,\; x = & 0 \;,\; y = & 23 \;,\; v = & 510 \\ w = & 10 \;,\; h = & 17 \;,\; x = & 30 \;,\; y = & 0 \;,\; v = & 170 \\ w = & 7 \;,\; h = & 19 \;,\; x = & 30 \;,\; y = & 17 \;,\; v = & 133 \\ w = & 9 \;,\; h = & 2 \;,\; x = & 30 \;,\; y = & 36 \;,\; v = & 18 \end{array}$$



 $\begin{array}{l} w=27 \;,\; h=25 \;,\; x=0 \;,\; y=0 \;,\; v=675 \\ w=13 \;,\; h=28 \;,\; x=27 \;,\; y=0 \;,\; v=364 \\ w=22 \;,\; h=13 \;,\; x=0 \;,\; y=25 \;,\; v=286 \\ w=13 \;,\; h=9 \;,\; x=27 \;,\; y=28 \;,\; v=117 \\ w=1 \;,\; h=5 \;,\; x=22 \;,\; y=25 \;,\; v=5 \end{array}$

21x16		12x16	5x16
26x24		13x20	

$$w = 26$$
, $h = 24$, $x = 0$, $y = 0$, $v = 624$

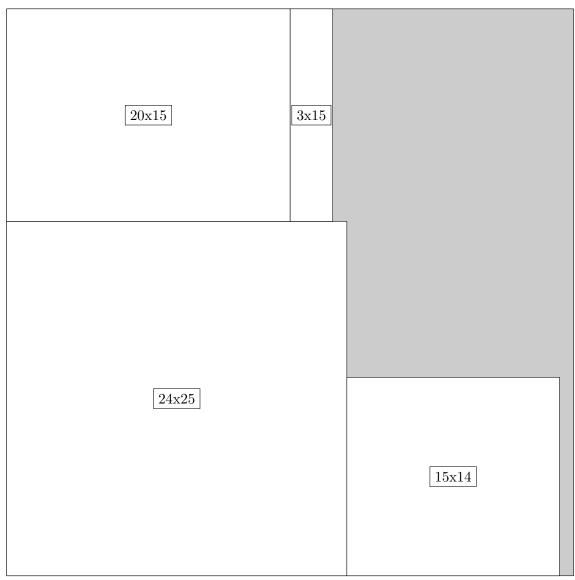
$$\le =21$$
 , $h=16$, $x=0$, $y=24$, $v=336$

$$\le =13$$
 , $h=20$, $x=26$, $y=0$, $v=260$

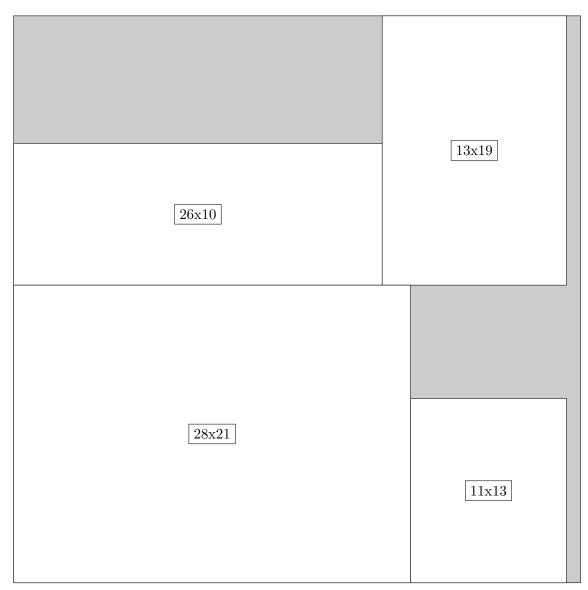
$$\mathbf{w}$$
 =12 , h =16 , x =21 , y =24 , v =192

$$w$$
 =5 , h =16 , x =33 , y =24 , v =80

$$\le =14$$
 , h =4 , x =26 , y =20 , v =56



$$\begin{array}{l} w=24 \ , \ h=25 \ , \ x=0 \ , \ y=0 \ , \ v=600 \\ w=20 \ , \ h=15 \ , \ x=0 \ , \ y=25 \ , \ v=300 \\ w=15 \ , \ h=14 \ , \ x=24 \ , \ y=0 \ , \ v=210 \\ w=3 \ , \ h=15 \ , \ x=20 \ , \ y=25 \ , \ v=45 \end{array}$$



$$w = 11$$
, $h = 13$, $x = 28$, $y = 0$, $v = 143$

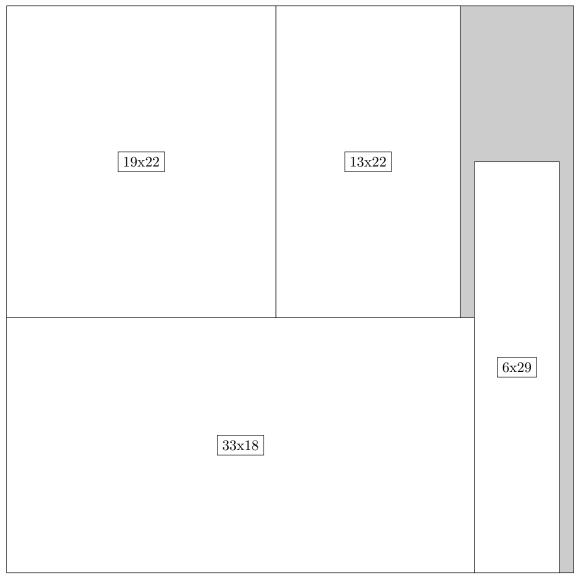
$$\le =26$$
 , h =10 , x =0 , y =21 , v =260

$$\le =13$$
 , $h=19$, $x=26$, $y=21$, $v=247$

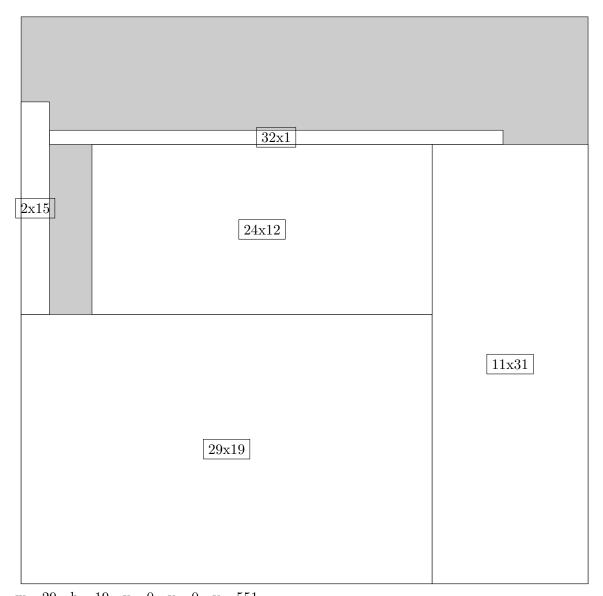
$$\le =28$$
 , h =21 , x =0 , y =0 , v =588

	3	32x19	
23x21		13x21	4x21

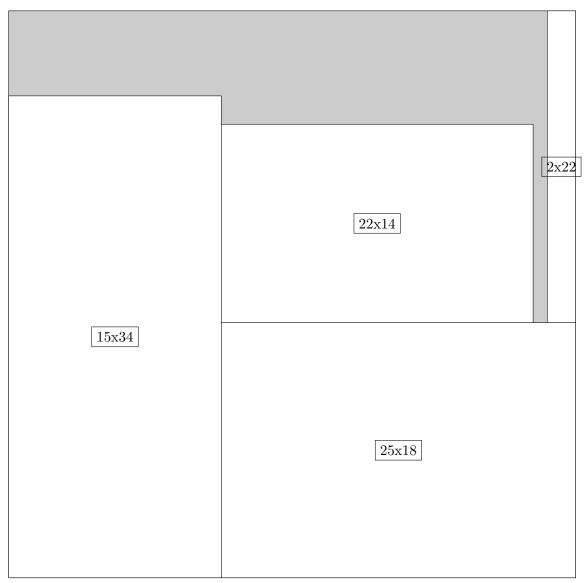
 $\begin{array}{l} w = & 32 \;,\; h = & 19 \;,\; x = & 8 \;,\; y = & 21 \;,\; v = & 608 \\ w = & 23 \;,\; h = & 21 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 483 \\ w = & 13 \;,\; h = & 21 \;,\; x = & 23 \;,\; y = & 0 \;,\; v = & 273 \\ w = & 4 \;,\; h = & 21 \;,\; x = & 36 \;,\; y = & 0 \;,\; v = & 84 \end{array}$



$$\begin{array}{l} w = & 33 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 594 \\ w = & 19 \ , \ h = & 22 \ , \ x = & 0 \ , \ y = & 18 \ , \ v = & 418 \\ w = & 13 \ , \ h = & 22 \ , \ x = & 19 \ , \ y = & 18 \ , \ v = & 286 \\ w = & 6 \ , \ h = & 29 \ , \ x = & 33 \ , \ y = & 0 \ , \ v = & 174 \end{array}$$



 $\begin{array}{l} w = 29 \ , \ h = 19 \ , \ x = 0 \ , \ y = 0 \ , \ v = 551 \\ w = 11 \ , \ h = 31 \ , \ x = 29 \ , \ y = 0 \ , \ v = 341 \\ w = 24 \ , \ h = 12 \ , \ x = 5 \ , \ y = 19 \ , \ v = 288 \\ w = 32 \ , \ h = 1 \ , \ x = 2 \ , \ y = 31 \ , \ v = 32 \\ w = 2 \ , \ h = 15 \ , \ x = 0 \ , \ y = 19 \ , \ v = 30 \end{array}$



 $\begin{array}{l} w = \! 15 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 510 \\ w = \! 25 \ , \ h = \! 18 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 450 \\ w = \! 22 \ , \ h = \! 14 \ , \ x = \! 15 \ , \ y = \! 18 \ , \ v = \! 308 \\ w = \! 2 \ , \ h = \! 22 \ , \ x = \! 38 \ , \ y = \! 18 \ , \ v = \! 44 \end{array}$