${\bf ClassName:}~{\bf Class\_03.2bp\text{-}29}$ 

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>28800</u> InS: <u>23294</u> Rate: <u>0.809</u> UB: <u>18</u> LB0: <u>18</u> LB: <u>18</u>

LBWithCut:  $\underline{\mathbf{18}}$ NodeCut:  $\underline{\mathbf{0}}$ 

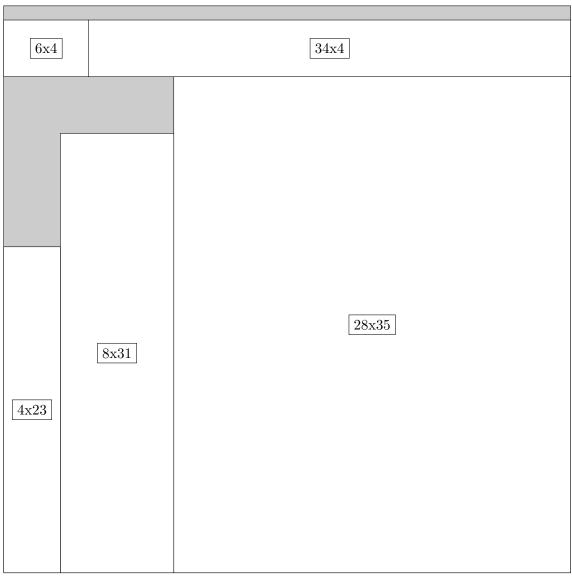
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{18}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

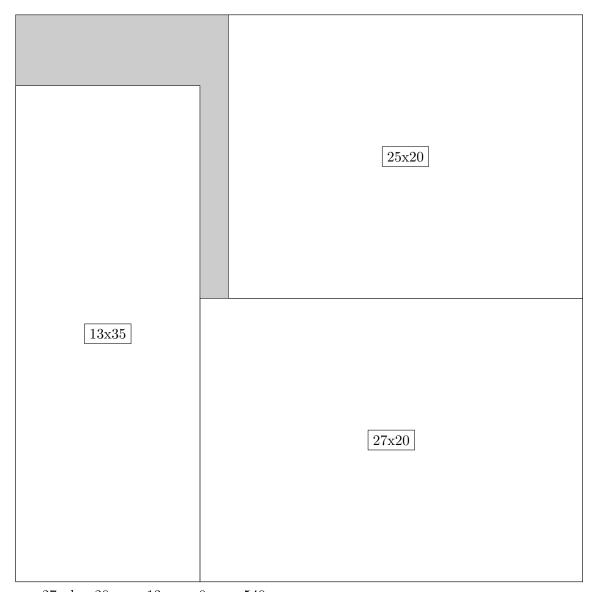
isOpt:  $\underline{\mathbf{true}}$ 

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.344 s

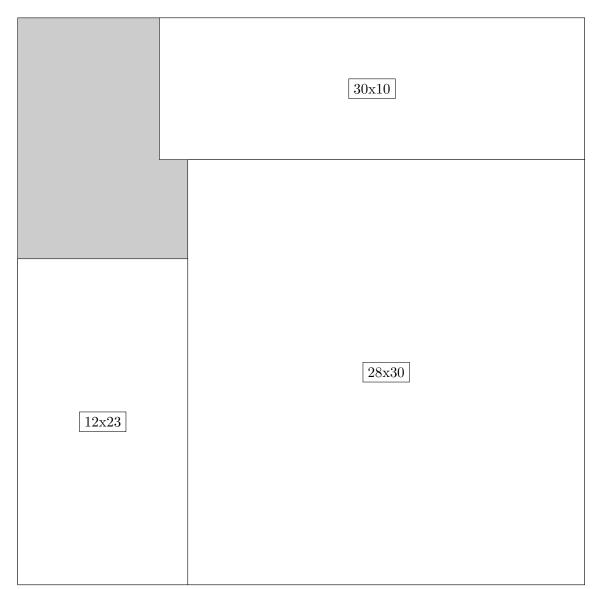


$$\begin{array}{l} w = 28 \; , \; h = 35 \; , \; x = 12 \; , \; y = 0 \; , \; v = 980 \\ w = 8 \; , \; h = 31 \; , \; x = 4 \; , \; y = 0 \; , \; v = 248 \\ w = 4 \; , \; h = 23 \; , \; x = 0 \; , \; y = 0 \; , \; v = 92 \\ w = 34 \; , \; h = 4 \; , \; x = 6 \; , \; y = 35 \; , \; v = 136 \\ w = 6 \; , \; h = 4 \; , \; x = 0 \; , \; y = 35 \; , \; v = 24 \end{array}$$



$$\le =25$$
 , h =20 , x =15 , y =20 , v =500

$$\le =13$$
 , h =35 , x =0 , y =0 , v =455



$$\le =28$$
 , h =30 , x =12 , y =0 , v =840

$$\le =12$$
 , h =23 , x =0 , y =0 , v =276

$$\le =30$$
 ,  $h$  =10 ,  $x$  =10 ,  $y$  =30 ,  $v$  =300

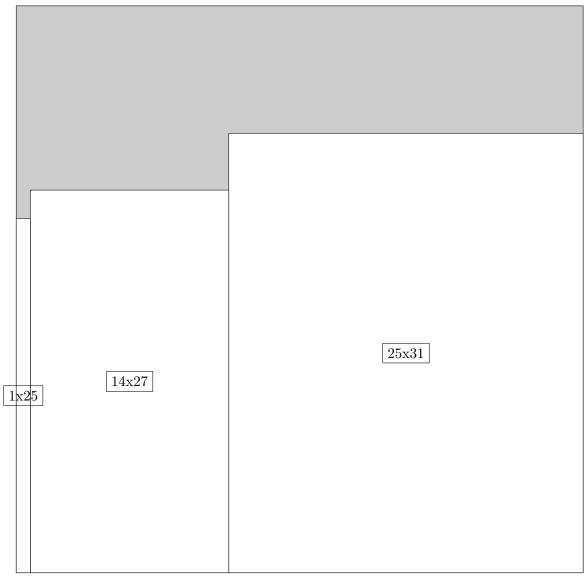
11x9	21x5
17x31	23x34

$$w = 23$$
,  $h = 34$ ,  $x = 17$ ,  $y = 0$ ,  $v = 782$ 

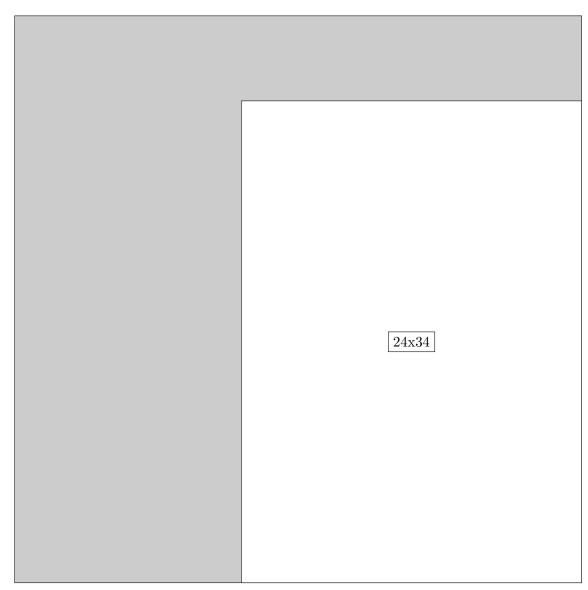
$$w = 21$$
,  $h = 5$ ,  $x = 19$ ,  $y = 34$ ,  $v = 105$ 

$$\le =17$$
 , h =31 , x =0 , y =0 , v =527

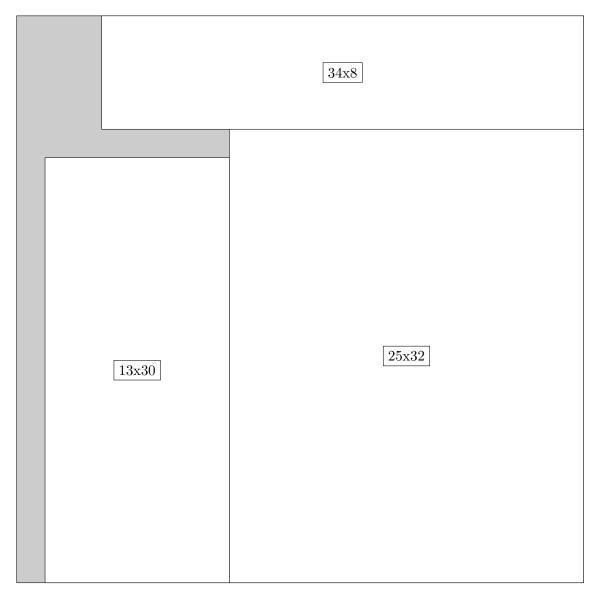
$$\mathbf{w}$$
 =11 , h =9 , x =6 , y =31 , v =99



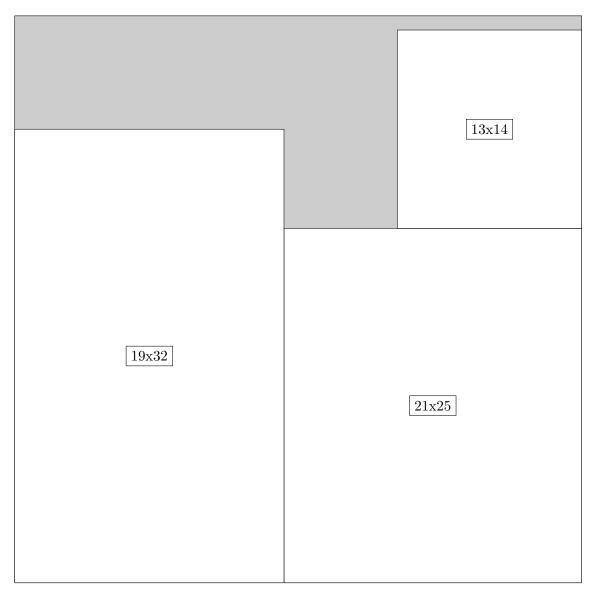
 $\begin{array}{l} w = \! 25 \ , \ h = \! 31 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 775 \\ w = \! 14 \ , \ h = \! 27 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 378 \\ w = \! 1 \ , \ h = \! 25 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 25 \end{array}$ 



 $\le =24$  , h =34 , x =16 , y =0 , v =816



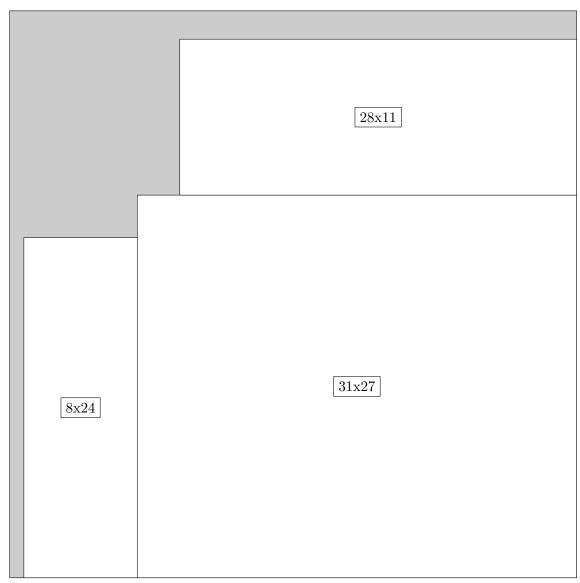
$$\begin{array}{l} w = \! 25 \; , \; h = \! 32 \; , \; x = \! 15 \; , \; y = \! 0 \; , \; v = \! 800 \\ w = \! 13 \; , \; h = \! 30 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 390 \\ w = \! 34 \; , \; h = \! 8 \; , \; x = \! 6 \; , \; y = \! 32 \; , \; v = \! 272 \end{array}$$



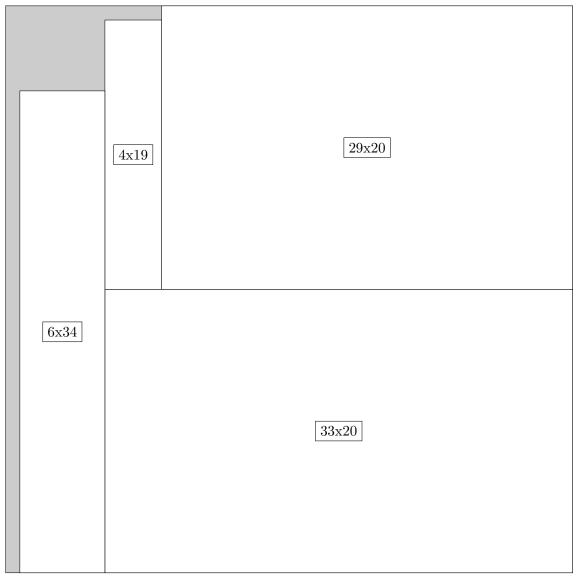
$$w = 21$$
,  $h = 25$ ,  $x = 19$ ,  $y = 0$ ,  $v = 525$ 

$$\le =13$$
 ,  $h$  =14 ,  $x$  =27 ,  $y$  =25 ,  $v$  =182

$$\le =19$$
 , h =32 , x =0 , y =0 , v =608



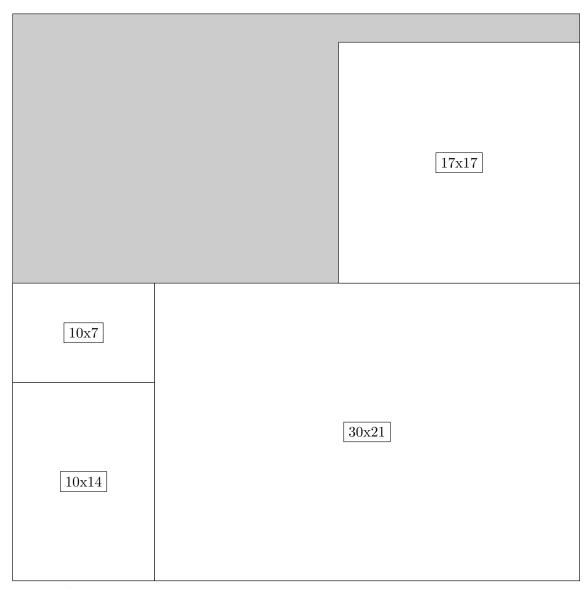
$$\begin{array}{l} w = & 31 \ , \ h = & 27 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 837 \\ w = & 28 \ , \ h = & 11 \ , \ x = & 12 \ , \ y = & 27 \ , \ v = & 308 \\ w = & 8 \ , \ h = & 24 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 192 \end{array}$$



$$\begin{array}{l} w = \! 33 \ , \ h = \! 20 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 660 \\ w = \! 29 \ , \ h = \! 20 \ , \ x = \! 11 \ , \ y = \! 20 \ , \ v = \! 580 \\ w = \! 4 \ , \ h = \! 19 \ , \ x = \! 7 \ , \ y = \! 20 \ , \ v = \! 76 \\ w = \! 6 \ , \ h = \! 34 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 204 \end{array}$$

	34x3	
	6x10	28x10
6x32		34x27

$$\begin{array}{l} w = & 34 \;,\; h = & 27 \;,\; x = & 6 \;,\; y = & 0 \;,\; v = & 918 \\ w = & 28 \;,\; h = & 10 \;,\; x = & 12 \;,\; y = & 27 \;,\; v = & 280 \\ w = & 6 \;,\; h = & 10 \;,\; x = & 6 \;,\; y = & 27 \;,\; v = & 60 \\ w = & 34 \;,\; h = & 3 \;,\; x = & 6 \;,\; y = & 37 \;,\; v = & 102 \\ w = & 6 \;,\; h = & 32 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 192 \end{array}$$

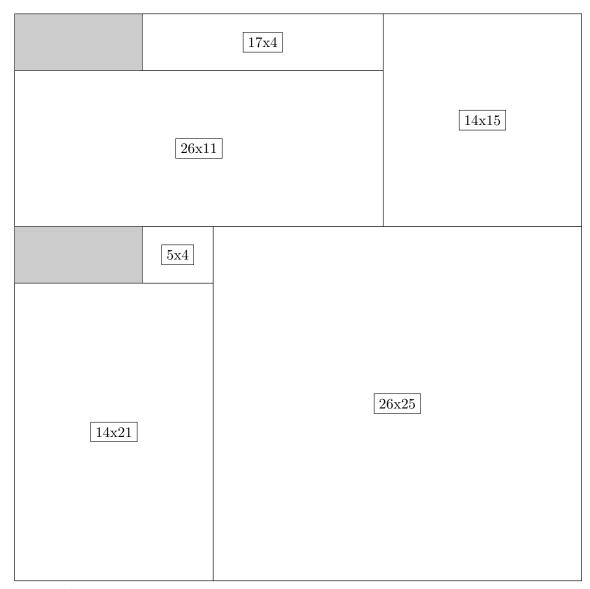


$$\le =30$$
 , h =21 , x =10 , y =0 , v =630

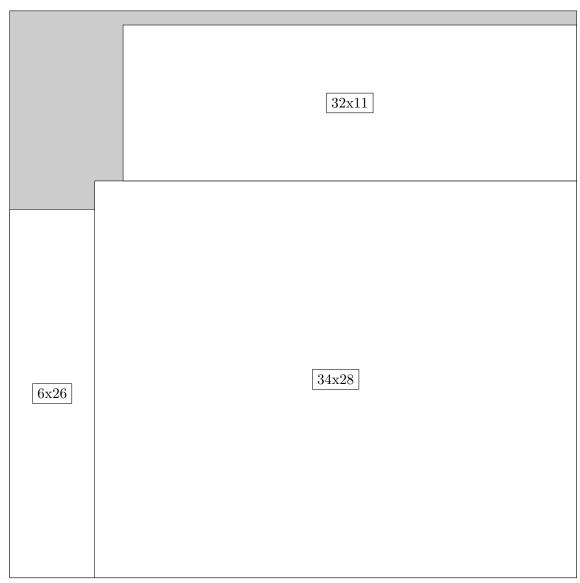
$$\mathbf{w}$$
 =10 , h =14 , x =0 , y =0 , v =140

$$\le =10$$
 , h =7 , x =0 , y =14 , v =70

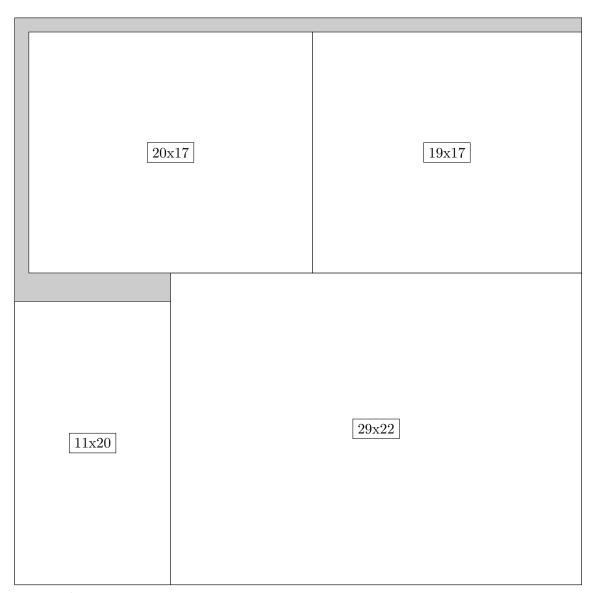
$$w$$
 =17 ,  $h$  =17 ,  $x$  =23 ,  $y$  =21 ,  $v$  =289



$$\begin{array}{l} w=26 \ , \ h=25 \ , \ x=14 \ , \ y=0 \ , \ v=650 \\ w=14 \ , \ h=21 \ , \ x=0 \ , \ y=0 \ , \ v=294 \\ w=5 \ , \ h=4 \ , \ x=9 \ , \ y=21 \ , \ v=20 \\ w=14 \ , \ h=15 \ , \ x=26 \ , \ y=25 \ , \ v=210 \\ w=26 \ , \ h=11 \ , \ x=0 \ , \ y=25 \ , \ v=286 \\ w=17 \ , \ h=4 \ , \ x=9 \ , \ y=36 \ , \ v=68 \end{array}$$



$$\begin{array}{l} w = \! 34 \; , \; h = \! 28 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 952 \\ w = \! 32 \; , \; h = \! 11 \; , \; x = \! 8 \; , \; y = \! 28 \; , \; v = \! 352 \\ w = \! 6 \; , \; h = \! 26 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 156 \end{array}$$

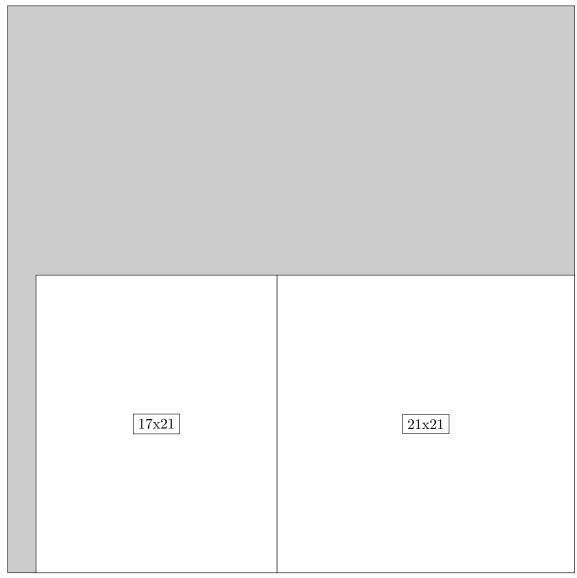


$$\le =29$$
 , h =22 , x =11 , y =0 , v =638

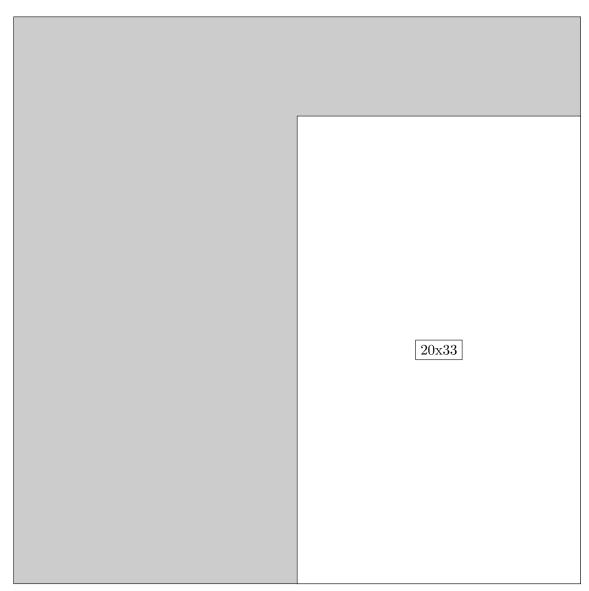
$$\le =11$$
 ,  $h=20$  ,  $x=0$  ,  $y=0$  ,  $v=220$ 

$$\le =19$$
 , h =17 , x =21 , y =22 , v =323

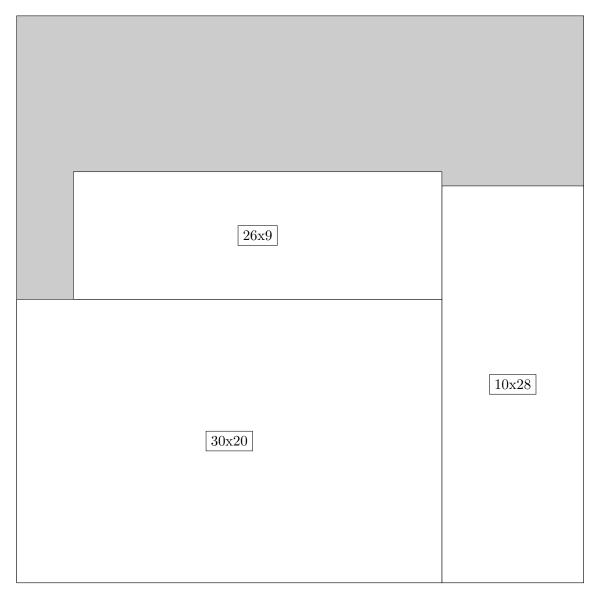
$$\le =20$$
 ,  $h$  =17 ,  $x$  =1 ,  $y$  =22 ,  $v$  =340



 $\begin{array}{l} w = \! 21 \ , \ h = \! 21 \ , \ x = \! 19 \ , \ y = \! 0 \ , \ v = \! 441 \\ w = \! 17 \ , \ h = \! 21 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 357 \end{array}$ 



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



$$w = 10$$
,  $h = 28$ ,  $x = 30$ ,  $y = 0$ ,  $v = 280$ 

$$\le =30$$
 , h =20 , x =0 , y =0 , v =600

$$\le =26$$
 , h =9 , x =4 , y =20 , v =234