$ClassName: \ Class\_07.2bp-22$ 

BinSize:  $\underline{100 \times 100}$ ReduceSize:  $\underline{100 \times 100}$ 

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>170000</u> InS: <u>140685</u> Rate: <u>0.828</u> UB: <u>17</u> LB0: <u>17</u>

 $\begin{array}{c} \overline{\text{LBWithCut: } \mathbf{17}} \\ \text{NodeCut: } \mathbf{0} \end{array}$ 

LB: **17** 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{17}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

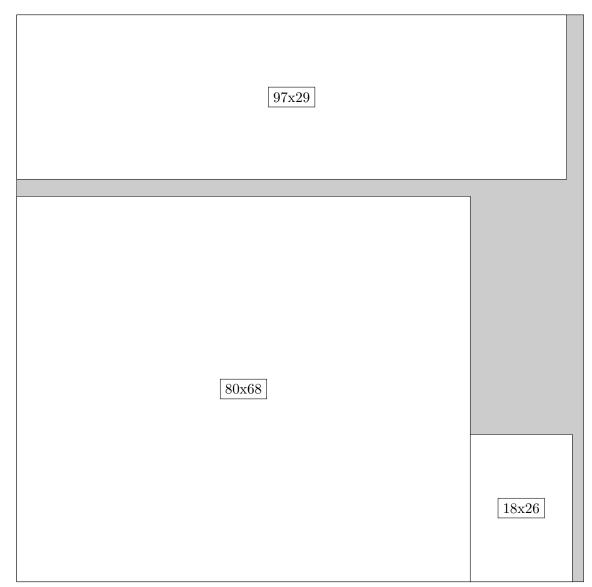
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.070 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.195 \ s} \\ \end{array}$ 

98x20	
85x78	15x78

$$\le =85$$
 , h =78 , x =0 , y =0 , v =6630

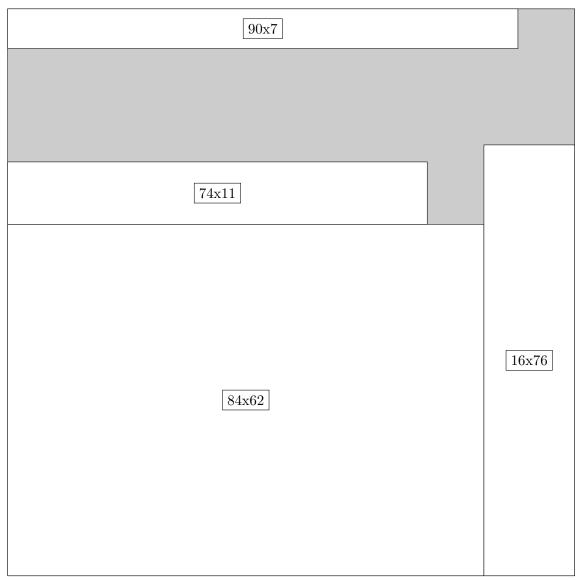
$$\le =98$$
 , h =20 , x =0 , y =80 , v =1960

$$\le =15$$
 ,  $h=78$  ,  $x=85$  ,  $y=0$  ,  $v=1170$ 



$$\begin{array}{l} w = \! 80 \ , \ h = \! 68 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5440 \\ w = \! 97 \ , \ h = \! 29 \ , \ x = \! 0 \ , \ y = \! 71 \ , \ v = \! 2813 \end{array}$$

$$w = 18$$
,  $h = 26$ ,  $x = 80$ ,  $y = 0$ ,  $v = 468$ 

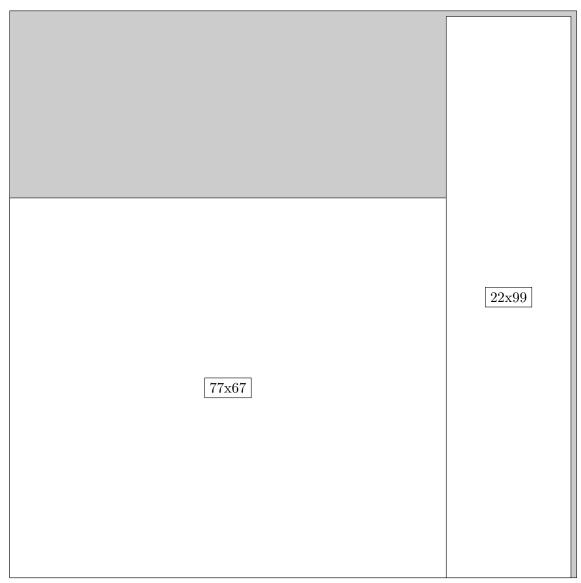


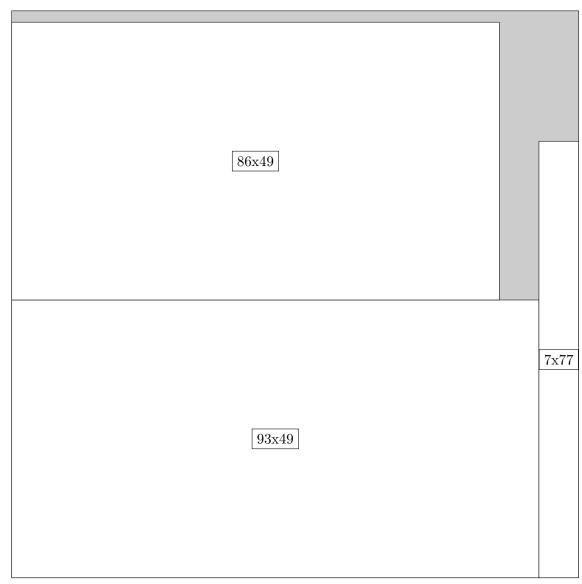
$$\le =84$$
 ,  $h=62$  ,  $x=0$  ,  $y=0$  ,  $v=5208$ 

$$\le =16$$
 ,  $h=76$  ,  $x=84$  ,  $y=0$  ,  $v=1216$ 

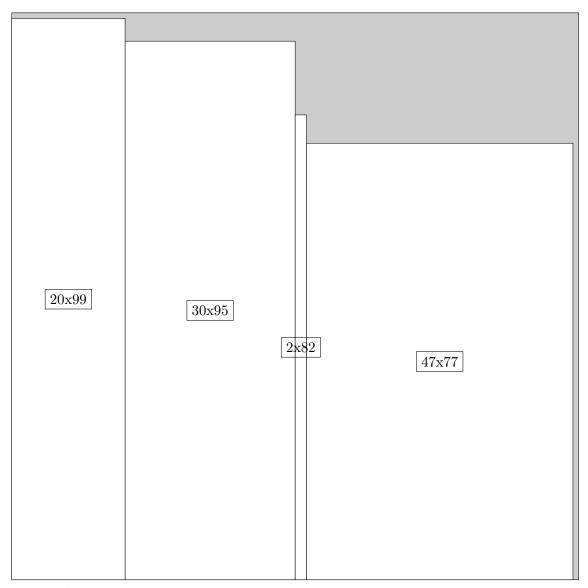
$$\le =74$$
 , h =11 , x =0 , y =62 , v =814

$$w = 90$$
,  $h = 7$ ,  $x = 0$ ,  $y = 93$ ,  $v = 630$ 

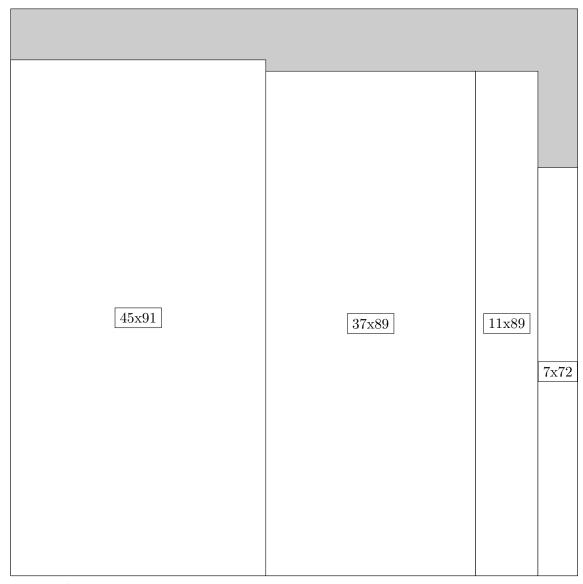




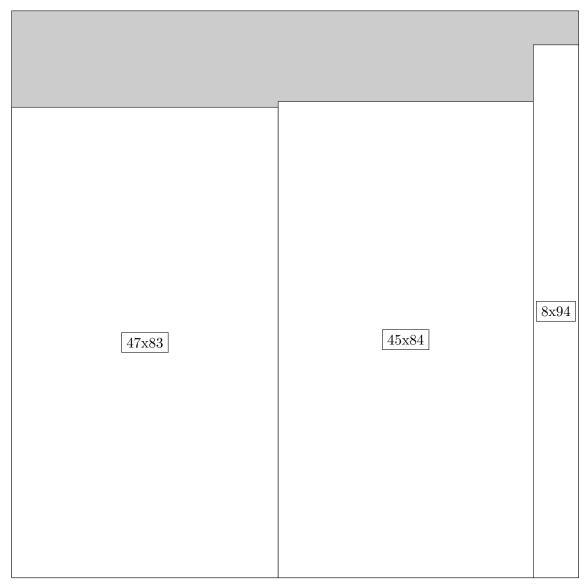
$$\begin{array}{l} w = \! 93 \ , \ h = \! 49 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4557 \\ w = \! 86 \ , \ h = \! 49 \ , \ x = \! 0 \ , \ y = \! 49 \ , \ v = \! 4214 \\ w = \! 7 \ , \ h = \! 77 \ , \ x = \! 93 \ , \ y = \! 0 \ , \ v = \! 539 \end{array}$$



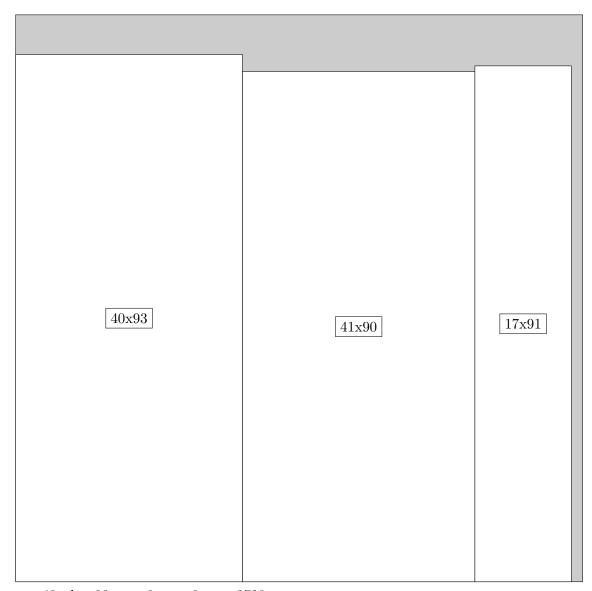
 $\begin{array}{l} w = \!\! 47 \;,\; h = \!\! 77 \;,\; x = \!\! 52 \;,\; y = \!\! 0 \;,\; v = \!\! 3619 \\ w = \!\! 30 \;,\; h = \!\! 95 \;,\; x = \!\! 20 \;,\; y = \!\! 0 \;,\; v = \!\! 2850 \\ w = \!\! 20 \;,\; h = \!\! 99 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 1980 \\ w = \!\! 2 \;,\; h = \!\! 82 \;,\; x = \!\! 50 \;,\; y = \!\! 0 \;,\; v = \!\! 164 \end{array}$ 



 $\begin{array}{l} w = \! 45 \ , \ h = \! 91 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4095 \\ w = \! 37 \ , \ h = \! 89 \ , \ x = \! 45 \ , \ y = \! 0 \ , \ v = \! 3293 \\ w = \! 11 \ , \ h = \! 89 \ , \ x = \! 82 \ , \ y = \! 0 \ , \ v = \! 979 \\ w = \! 7 \ , \ h = \! 72 \ , \ x = \! 93 \ , \ y = \! 0 \ , \ v = \! 504 \end{array}$ 

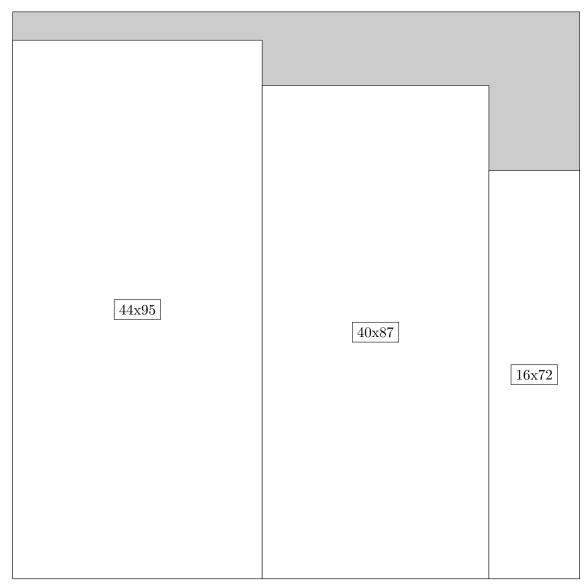


 $\begin{array}{l} w = \!\! 47 \; , \; h = \!\! 83 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 3901 \\ w = \!\! 45 \; , \; h = \!\! 84 \; , \; x = \!\! 47 \; , \; y = \!\! 0 \; , \; v = \!\! 3780 \\ w = \!\! 8 \; , \; h = \!\! 94 \; , \; x = \!\! 92 \; , \; y = \!\! 0 \; , \; v = \!\! 752 \end{array}$ 



$$\begin{array}{l} w = \! 40 \ , \ h = \! 93 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3720 \\ w = \! 41 \ , \ h = \! 90 \ , \ x = \! 40 \ , \ y = \! 0 \ , \ v = \! 3690 \end{array}$$

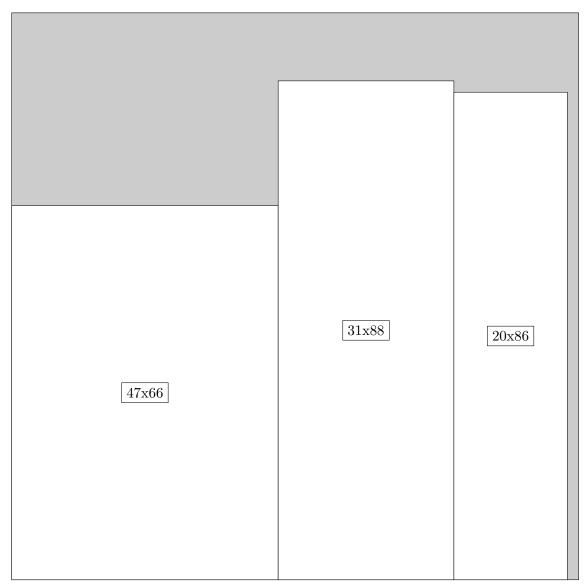
$$w = 17$$
,  $h = 91$ ,  $x = 81$ ,  $y = 0$ ,  $v = 1547$ 



$$w = 44$$
,  $h = 95$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4180$ 

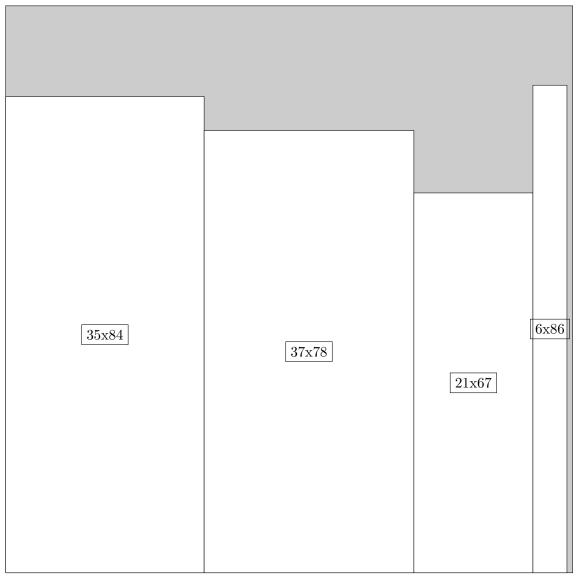
$$\le =40$$
 , h =87 , x =44 , y =0 , v =3480

$$\le =16$$
 ,  $h$  =72 ,  $x$  =84 ,  $y$  =0 ,  $v$  =1152

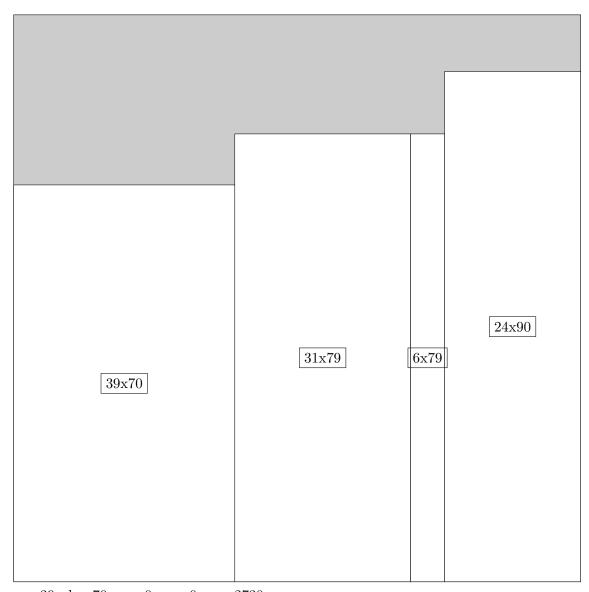


 $\begin{array}{l} w = \!\! 47 \ , \ h = \!\! 66 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3102 \\ w = \!\! 31 \ , \ h = \!\! 88 \ , \ x = \!\! 47 \ , \ y = \!\! 0 \ , \ v = \!\! 2728 \end{array}$ 

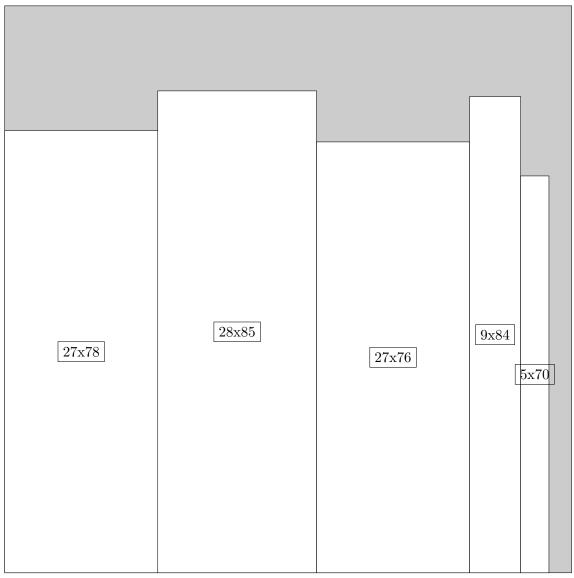
w = 20 , h = 86 , x = 78 , y = 0 , v = 1720



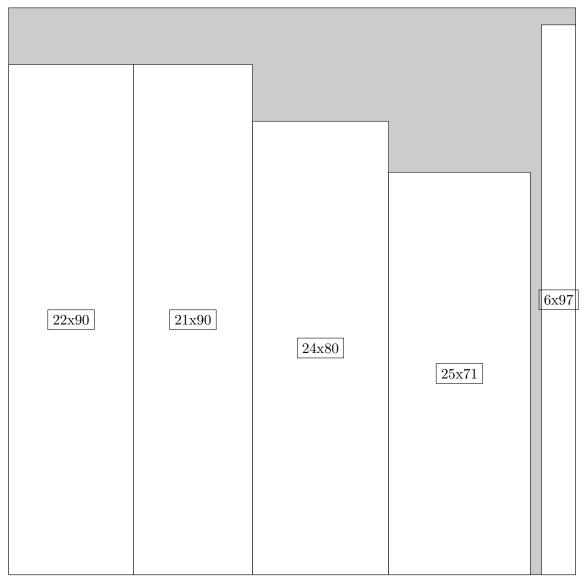
 $\begin{array}{l} w = & 35 \ , \ h = & 84 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2940 \\ w = & 37 \ , \ h = & 78 \ , \ x = & 35 \ , \ y = & 0 \ , \ v = & 2886 \\ w = & 21 \ , \ h = & 67 \ , \ x = & 72 \ , \ y = & 0 \ , \ v = & 1407 \\ w = & 6 \ , \ h = & 86 \ , \ x = & 93 \ , \ y = & 0 \ , \ v = & 516 \end{array}$ 



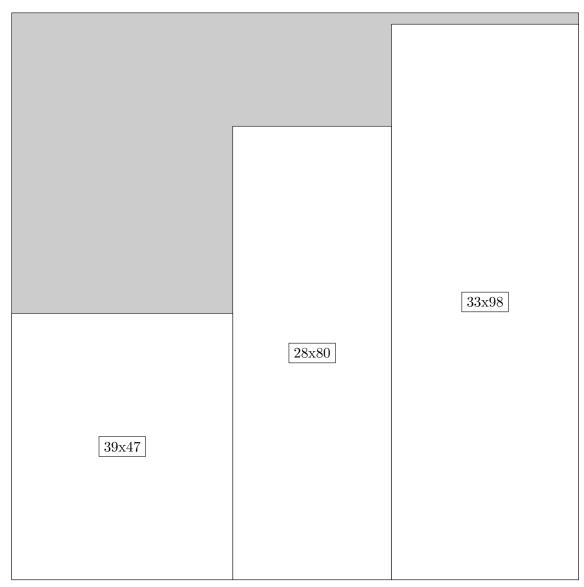
 $\begin{array}{l} w = & 39 \ , \ h = & 70 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2730 \\ w = & 31 \ , \ h = & 79 \ , \ x = & 39 \ , \ y = & 0 \ , \ v = & 2449 \\ w = & 24 \ , \ h = & 90 \ , \ x = & 76 \ , \ y = & 0 \ , \ v = & 2160 \\ w = & 6 \ , \ h = & 79 \ , \ x = & 70 \ , \ y = & 0 \ , \ v = & 474 \end{array}$ 



$$\begin{array}{l} w = \!\!27 \;,\; h = \!\!78 \;,\; x = \!\!0 \;,\; y = \!\!0 \;,\; v = \!\!2106 \\ w = \!\!28 \;,\; h = \!\!85 \;,\; x = \!\!27 \;,\; y = \!\!0 \;,\; v = \!\!2380 \\ w = \!\!27 \;,\; h = \!\!76 \;,\; x = \!\!55 \;,\; y = \!\!0 \;,\; v = \!\!2052 \\ w = \!\!9 \;,\; h = \!\!84 \;,\; x = \!\!82 \;,\; y = \!\!0 \;,\; v = \!\!756 \\ w = \!\!5 \;,\; h = \!\!70 \;,\; x = \!\!91 \;,\; y = \!\!0 \;,\; v = \!\!350 \end{array}$$



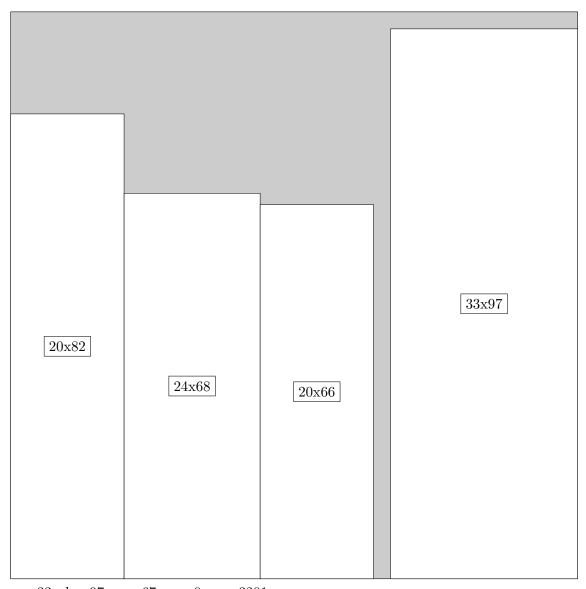
 $\begin{array}{l} w=22\;,\; h=90\;,\; x=0\;,\; y=0\;,\; v=1980\\ w=24\;,\; h=80\;,\; x=43\;,\; y=0\;,\; v=1920\\ w=21\;,\; h=90\;,\; x=22\;,\; y=0\;,\; v=1890\\ w=25\;,\; h=71\;,\; x=67\;,\; y=0\;,\; v=1775\\ w=6\;,\; h=97\;,\; x=94\;,\; y=0\;,\; v=582 \end{array}$ 



$$w = \! 33 \ , \, h = \! 98 \ , \, x = \! 67 \ , \, y = \! 0 \ , \, v = \! 3234$$

$$\le =28$$
 ,  $h$  =80 ,  $x$  =39 ,  $y$  =0 ,  $v$  =2240

$$\le =39$$
 ,  $h=47$  ,  $x=0$  ,  $y=0$  ,  $v=1833$ 



 $\le =33$  , h=97 , x=67 , y=0 , v=3201

 $\le =20$  , h=82 , x=0 , y=0 , v=1640

 $\le =24$  , h =68 , x =20 , y =0 , v =1632

 $\mathbf{w}$  =20 , h =66 , x =44 , y =0 , v =1320