${\bf ClassName:}~{\bf Class_03.2bp\text{-}35}$

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

TypeNum: <u>76</u> Num: <u>80</u> OutS: <u>32000</u> InS: <u>27464</u> Rate: <u>0.858</u> UB: <u>20</u> LB0: <u>20</u>

LBWithCut: $\underline{20}$ NodeCut: $\underline{0}$

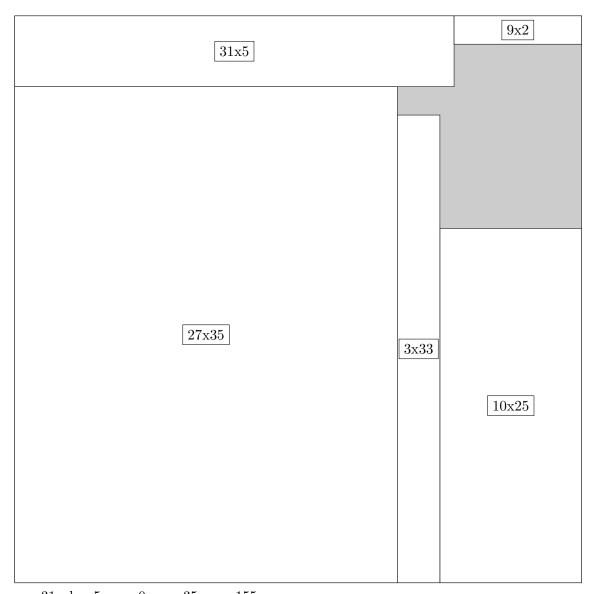
LB: **20**

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

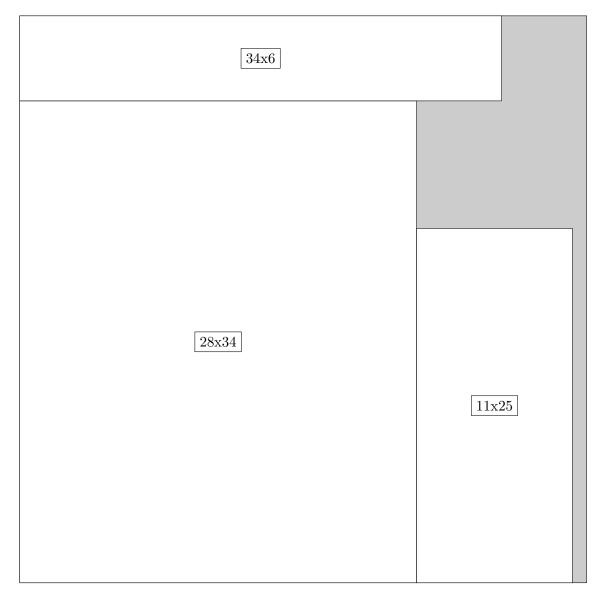
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{20}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.410 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.551 \ s} \end{array}$



 $\begin{array}{l} w = \! 31 \; , \; h = \! 5 \; , \; x = \! 0 \; , \; y = \! 35 \; , \; v = \! 155 \\ w = \! 27 \; , \; h = \! 35 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 945 \\ w = \! 10 \; , \; h = \! 25 \; , \; x = \! 30 \; , \; y = \! 0 \; , \; v = \! 250 \\ w = \! 3 \; , \; h = \! 33 \; , \; x = \! 27 \; , \; y = \! 0 \; , \; v = \! 99 \\ w = \! 9 \; , \; h = \! 2 \; , \; x = \! 31 \; , \; y = \! 38 \; , \; v = \! 18 \end{array}$



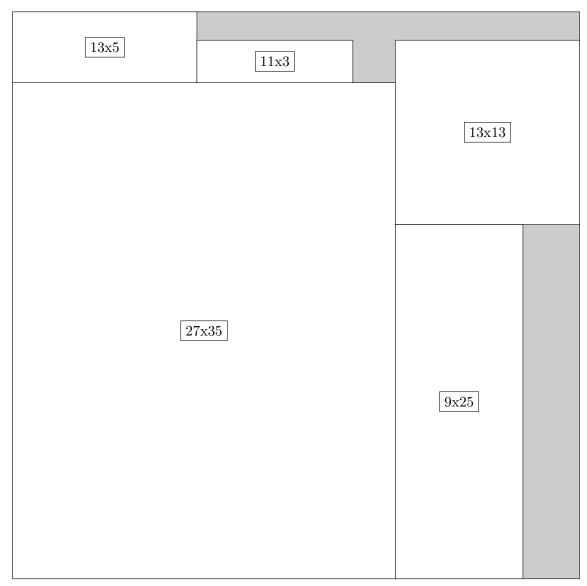
$$\begin{array}{l} w = 28 \; , \; h = 34 \; , \; x = 0 \; , \; y = 0 \; , \; v = 952 \\ w = 11 \; , \; h = 25 \; , \; x = 28 \; , \; y = 0 \; , \; v = 275 \\ w = 34 \; , \; h = 6 \; , \; x = 0 \; , \; y = 34 \; , \; v = 204 \end{array}$$

27x12	12x12
35x28	

$$\le =27$$
 , h =12 , x =0 , y =28 , v =324

$$\le =35$$
 , $h=28$, $x=0$, $y=0$, $v=980$

$$\le =12$$
 , $h=12$, $x=27$, $y=28$, $v=144$



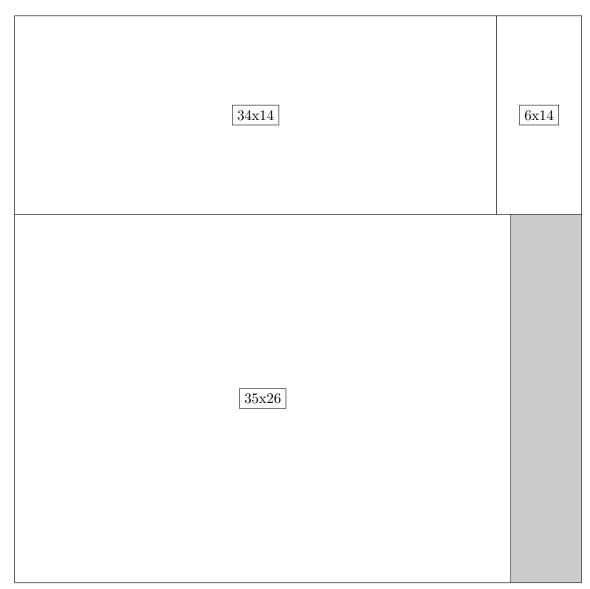
$$w = 27 \ , \ h = 35 \ , \ x = 0 \ , \ y = 0 \ , \ v = 945$$

$$w=9$$
 , h =25 , x =27 , y =0 , v =225

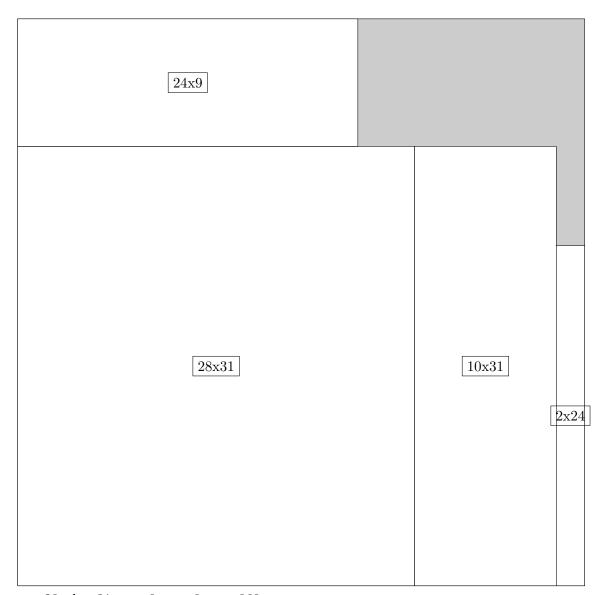
$$\le =13$$
 , h =13 , x =27 , y =25 , v =169

$$\le =13$$
 , h =5 , x =0 , y =35 , v =65

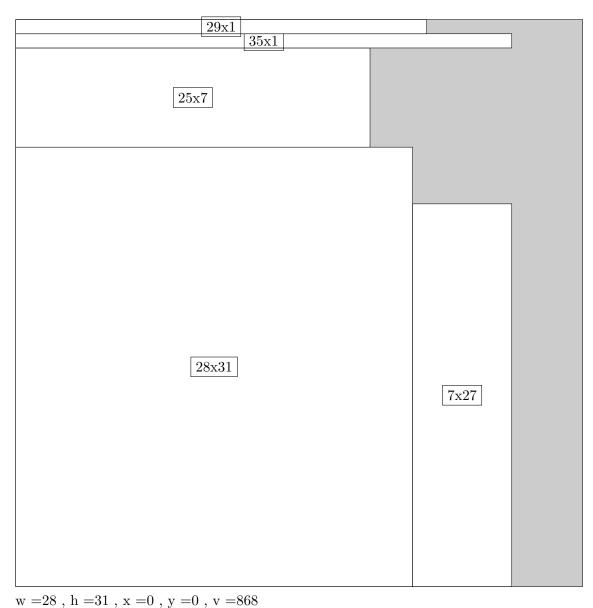
$$\le =11$$
 , h =3 , x =13 , y =35 , v =33



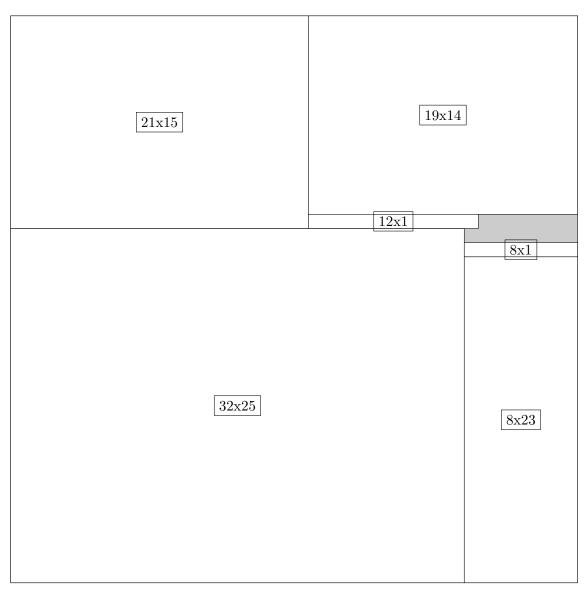
 $\begin{array}{l} w = \! 35 \ , \ h = \! 26 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 910 \\ w = \! 34 \ , \ h = \! 14 \ , \ x = \! 0 \ , \ y = \! 26 \ , \ v = \! 476 \\ w = \! 6 \ , \ h = \! 14 \ , \ x = \! 34 \ , \ y = \! 26 \ , \ v = \! 84 \end{array}$



$$\begin{array}{l} w = 28 \; , \; h = 31 \; , \; x = 0 \; , \; y = 0 \; , \; v = 868 \\ w = 10 \; , \; h = 31 \; , \; x = 28 \; , \; y = 0 \; , \; v = 310 \\ w = 24 \; , \; h = 9 \; , \; x = 0 \; , \; y = 31 \; , \; v = 216 \\ w = 2 \; , \; h = 24 \; , \; x = 38 \; , \; y = 0 \; , \; v = 48 \end{array}$$



 $\le =29$, h =1 , x =0 , y =39 , v =29



$$w = 32$$
, $h = 25$, $x = 0$, $y = 0$, $v = 800$

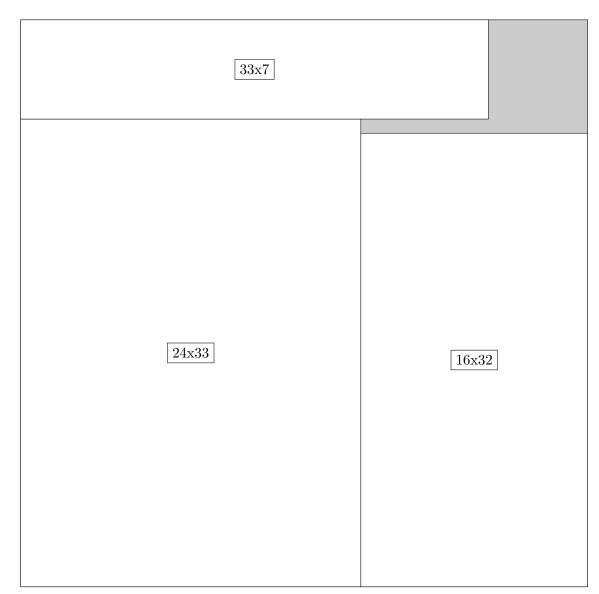
$$\le =21$$
 , h =15 , x =0 , y =25 , v =315

$$\le =19$$
 , h =14 , x =21 , y =26 , v =266

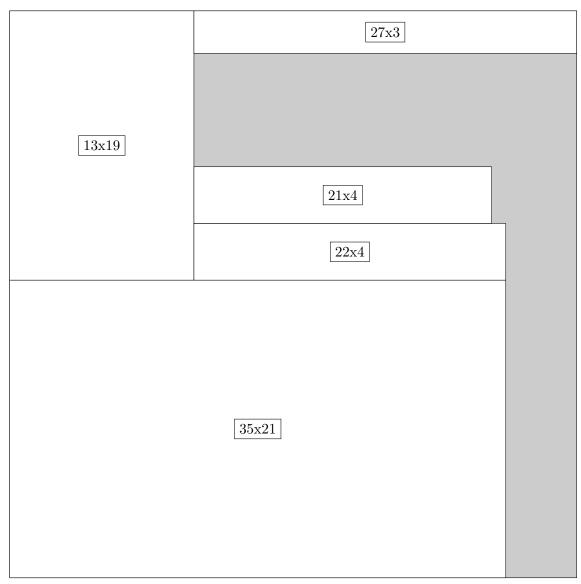
$$\le =8$$
 , h =23 , x =32 , y =0 , v =184

$$\mathbf{w}$$
 =12 , h =1 , x =21 , y =25 , v =12

$$w$$
 =8 , h =1 , x =32 , y =23 , v =8



$$\begin{array}{l} w=24 \ , \ h=33 \ , \ x=0 \ , \ y=0 \ , \ v=792 \\ w=16 \ , \ h=32 \ , \ x=24 \ , \ y=0 \ , \ v=512 \\ w=33 \ , \ h=7 \ , \ x=0 \ , \ y=33 \ , \ v=231 \end{array}$$



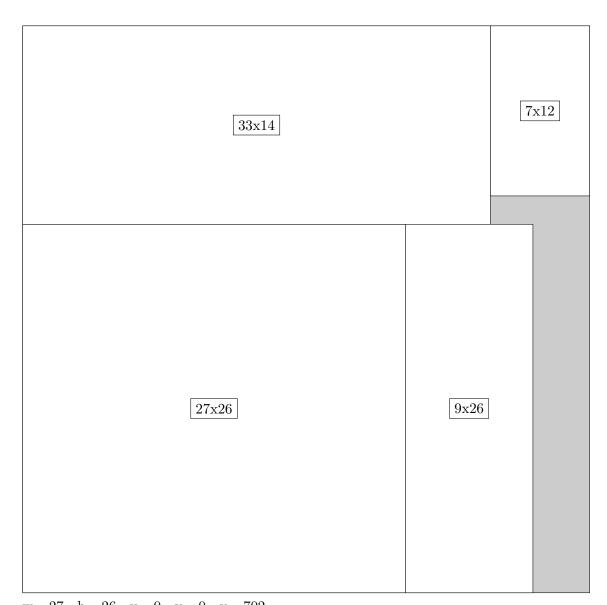
$$w = 35$$
, $h = 21$, $x = 0$, $y = 0$, $v = 735$

$$w = 13$$
, $h = 19$, $x = 0$, $y = 21$, $v = 247$

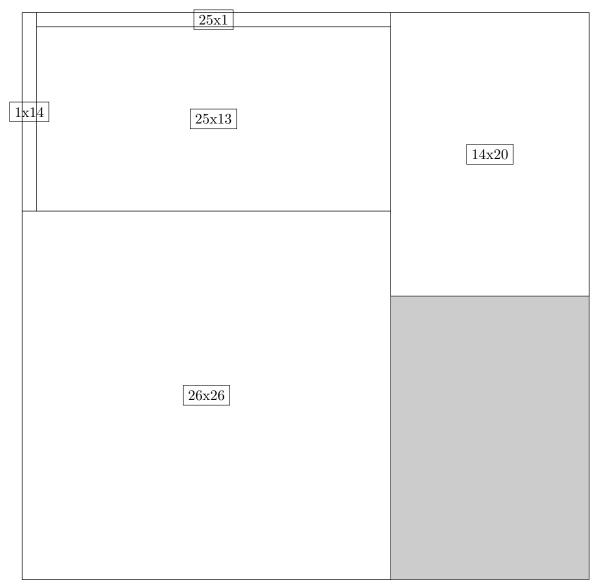
$$\le =22$$
 , h =4 , x =13 , y =21 , v =88

$$\le =21$$
 , h =4 , x =13 , y =25 , v =84

$$w = 27$$
, $h = 3$, $x = 13$, $y = 37$, $v = 81$



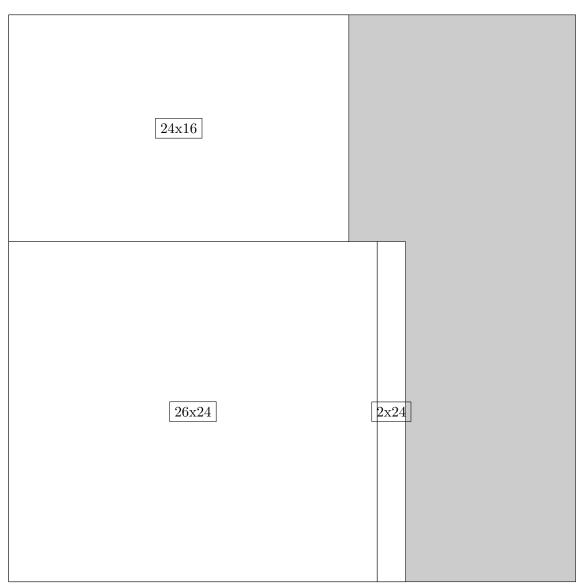
$$\begin{array}{l} w=27 \;,\; h=26 \;,\; x=0 \;,\; y=0 \;,\; v=702 \\ w=33 \;,\; h=14 \;,\; x=0 \;,\; y=26 \;,\; v=462 \\ w=9 \;,\; h=26 \;,\; x=27 \;,\; y=0 \;,\; v=234 \\ w=7 \;,\; h=12 \;,\; x=33 \;,\; y=28 \;,\; v=84 \end{array}$$



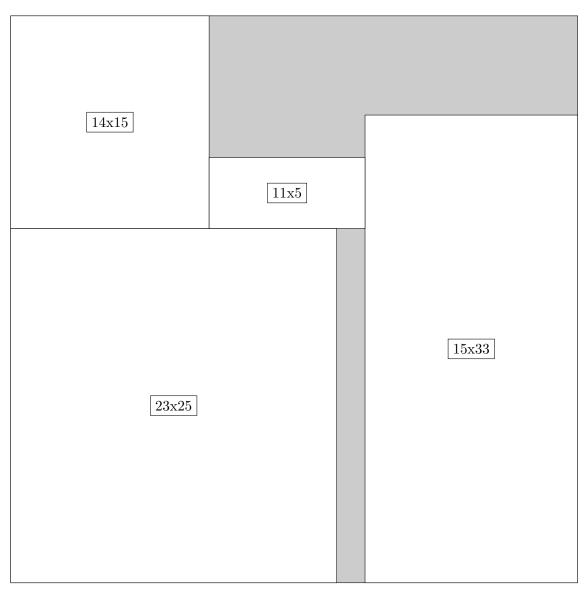
$$\begin{array}{l} w = 26 \ , \ h = 26 \ , \ x = 0 \ , \ y = 0 \ , \ v = 676 \\ w = 25 \ , \ h = 13 \ , \ x = 1 \ , \ y = 26 \ , \ v = 325 \\ w = 14 \ , \ h = 20 \ , \ x = 26 \ , \ y = 20 \ , \ v = 280 \\ w = 25 \ , \ h = 1 \ , \ x = 1 \ , \ y = 39 \ , \ v = 25 \\ w = 1 \ , \ h = 14 \ , \ x = 0 \ , \ y = 26 \ , \ v = 14 \end{array}$$

31x18	7x18
$30\mathrm{x}22$	9x22

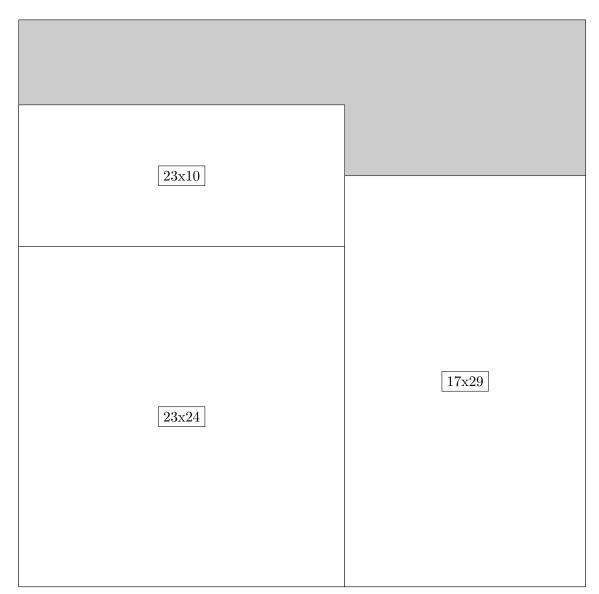
 $\begin{array}{l} w = & 30 \ , \ h = & 22 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 660 \\ w = & 31 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 22 \ , \ v = & 558 \\ w = & 9 \ , \ h = & 22 \ , \ x = & 30 \ , \ y = & 0 \ , \ v = & 198 \\ w = & 7 \ , \ h = & 18 \ , \ x = & 31 \ , \ y = & 22 \ , \ v = & 126 \end{array}$



$$\begin{array}{l} w = 26 \ , \ h = 24 \ , \ x = 0 \ , \ y = 0 \ , \ v = 624 \\ w = 24 \ , \ h = 16 \ , \ x = 0 \ , \ y = 24 \ , \ v = 384 \\ w = 2 \ , \ h = 24 \ , \ x = 26 \ , \ y = 0 \ , \ v = 48 \end{array}$$

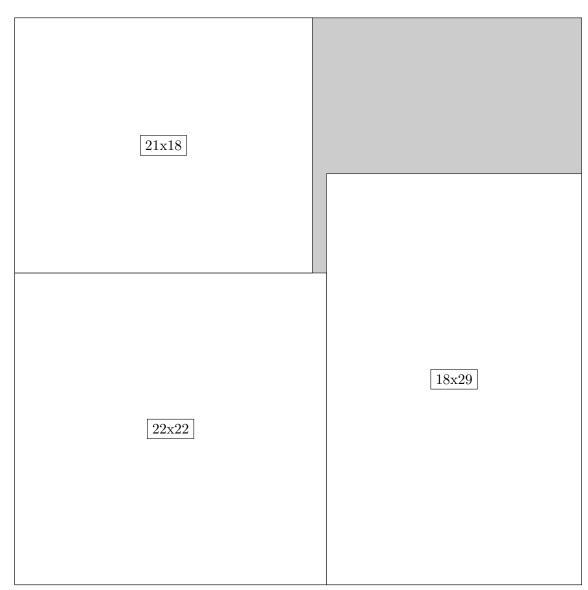


$$\begin{array}{l} w=23 \ , \ h=25 \ , \ x=0 \ , \ y=0 \ , \ v=575 \\ w=15 \ , \ h=33 \ , \ x=25 \ , \ y=0 \ , \ v=495 \\ w=14 \ , \ h=15 \ , \ x=0 \ , \ y=25 \ , \ v=210 \\ w=11 \ , \ h=5 \ , \ x=14 \ , \ y=25 \ , \ v=55 \end{array}$$

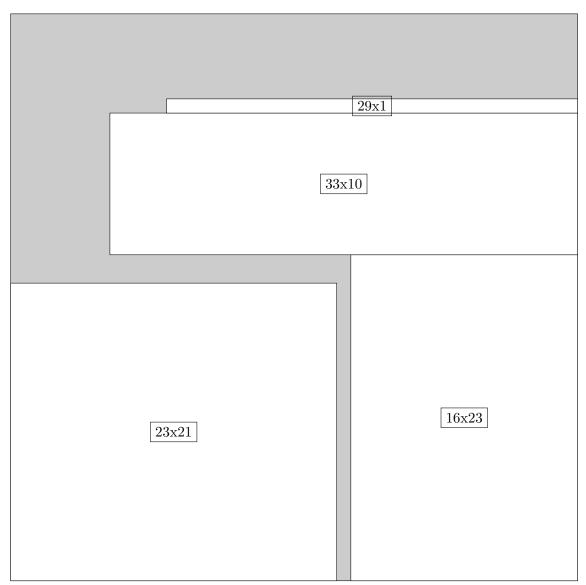


$$\begin{array}{l} w = 23 \ , \ h = 24 \ , \ x = 0 \ , \ y = 0 \ , \ v = 552 \\ w = 17 \ , \ h = 29 \ , \ x = 23 \ , \ y = 0 \ , \ v = 493 \end{array}$$

$$w = 23$$
 , $h = 10$, $x = 0$, $y = 24$, $v = 230$



$$\begin{array}{l} w = 18 \ , \ h = 29 \ , \ x = 22 \ , \ y = 0 \ , \ v = 522 \\ w = 22 \ , \ h = 22 \ , \ x = 0 \ , \ y = 0 \ , \ v = 484 \\ w = 21 \ , \ h = 18 \ , \ x = 0 \ , \ y = 22 \ , \ v = 378 \end{array}$$

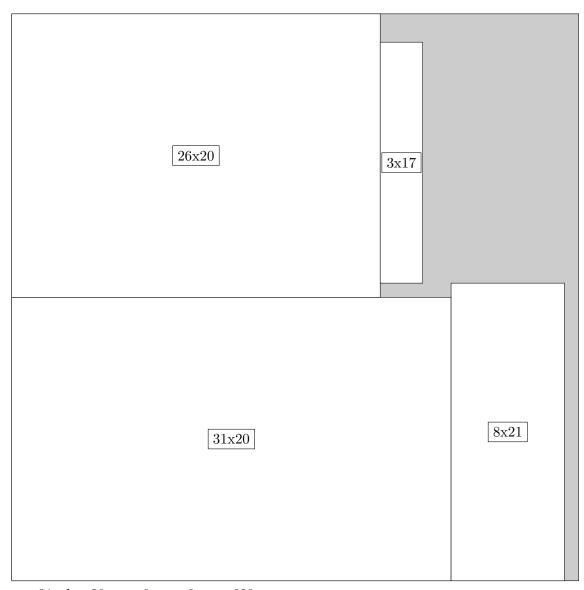


$$\le =23$$
 , h =21 , x =0 , y =0 , v =483

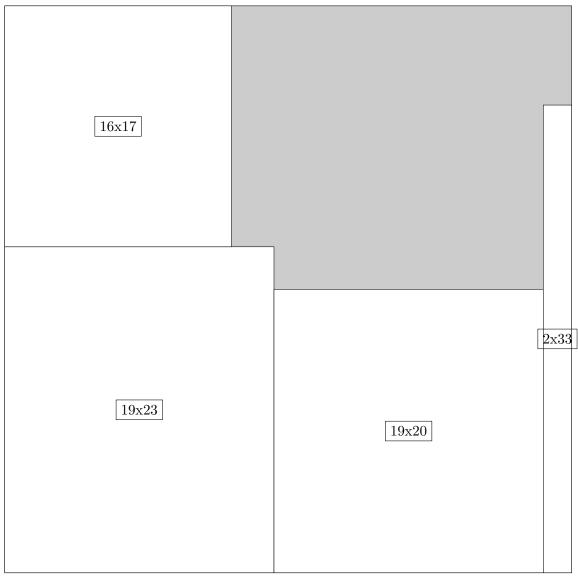
$$\le =16$$
 , h =23 , x =24 , y =0 , v =368

$$\le =33$$
 , h =10 , x =7 , y =23 , v =330

$$\le =29$$
 , h =1 , x =11 , y =33 , v =29



 $\begin{array}{l} w = & 31 \ , \ h = & 20 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 620 \\ w = & 26 \ , \ h = & 20 \ , \ x = & 0 \ , \ y = & 20 \ , \ v = & 520 \\ w = & 8 \ , \ h = & 21 \ , \ x = & 31 \ , \ y = & 0 \ , \ v = & 168 \\ w = & 3 \ , \ h = & 17 \ , \ x = & 26 \ , \ y = & 21 \ , \ v = & 51 \end{array}$



 $\begin{array}{l} w = & 19 \ , \ h = & 23 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 437 \\ w = & 19 \ , \ h = & 20 \ , \ x = & 19 \ , \ y = & 0 \ , \ v = & 380 \\ w = & 16 \ , \ h = & 17 \ , \ x = & 0 \ , \ y = & 23 \ , \ v = & 272 \\ w = & 2 \ , \ h = & 33 \ , \ x = & 38 \ , \ y = & 0 \ , \ v = & 66 \end{array}$