$ClassName: \ Class_03.2bp-27$

 $\begin{array}{ccc} \text{BinSize: } \underline{40} & \overline{\times} & \underline{40} \\ \text{ReduceSize: } \underline{40} & \times & \underline{40} \end{array}$

TypeNum: <u>58</u>
Num: <u>60</u>
OutS: <u>24000</u>
InS: <u>20453</u>
Rate: <u>0.852</u>
UB: <u>15</u>
LB0: <u>15</u>
LB: <u>15</u>

LBWithCut: $\underline{\bf 15}$ NodeCut: $\underline{\bf 0}$

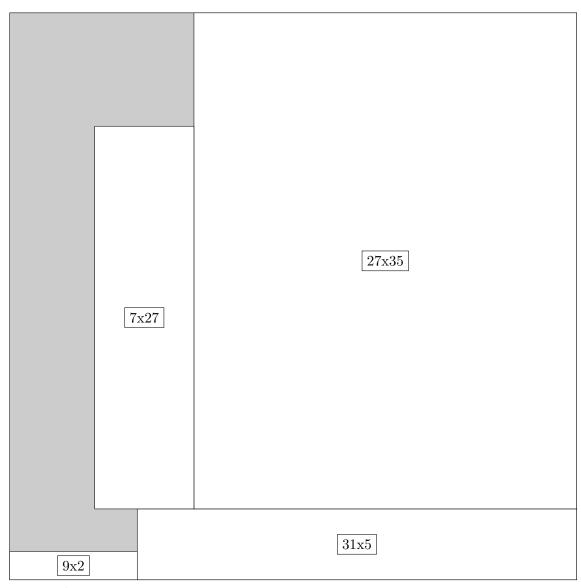
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{15}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

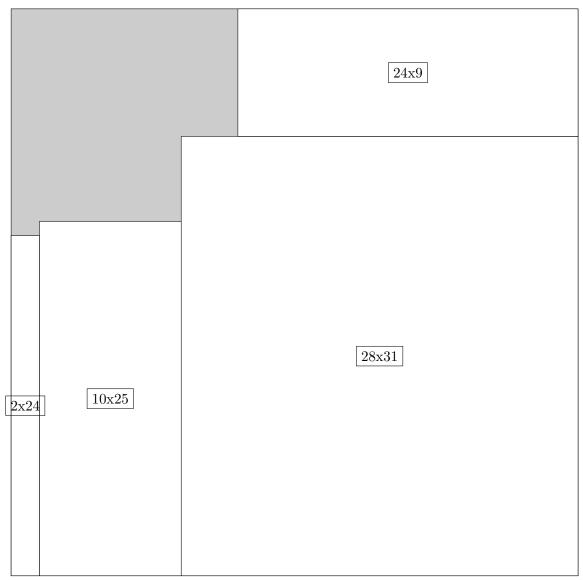
isOpt: **true**

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

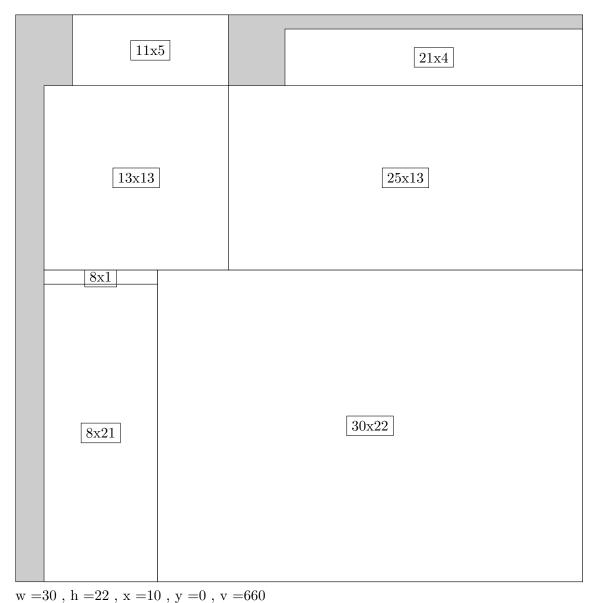
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.375 s



 $\begin{array}{l} w = & 31 \ , \ h = & 5 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 155 \\ w = & 9 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 18 \\ w = & 27 \ , \ h = & 35 \ , \ x = & 13 \ , \ y = & 5 \ , \ v = & 945 \\ w = & 7 \ , \ h = & 27 \ , \ x = & 6 \ , \ y = & 5 \ , \ v = & 189 \end{array}$



 $\begin{array}{l} w=28 \ , \ h=31 \ , \ x=12 \ , \ y=0 \ , \ v=868 \\ w=24 \ , \ h=9 \ , \ x=16 \ , \ y=31 \ , \ v=216 \\ w=10 \ , \ h=25 \ , \ x=2 \ , \ y=0 \ , \ v=250 \\ w=2 \ , \ h=24 \ , \ x=0 \ , \ y=0 \ , \ v=48 \end{array}$

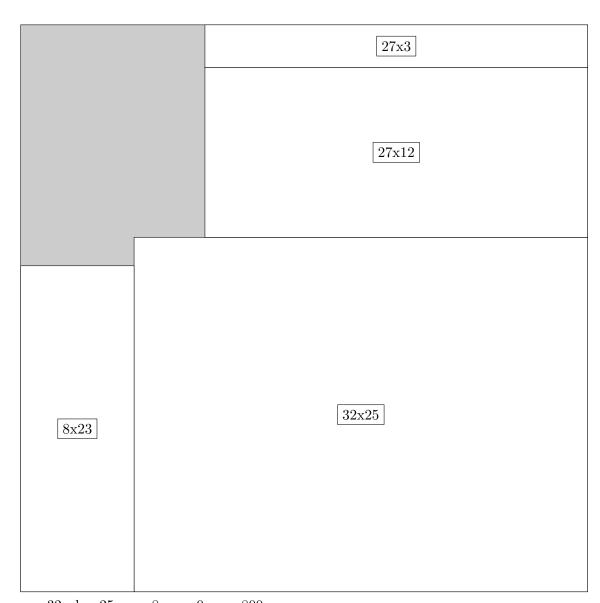


$$\mathbf{w}$$
 =8 , h =1 , x =2 , y =21 , v =8

$$\le =25$$
 , h =13 , x =15 , y =22 , v =325

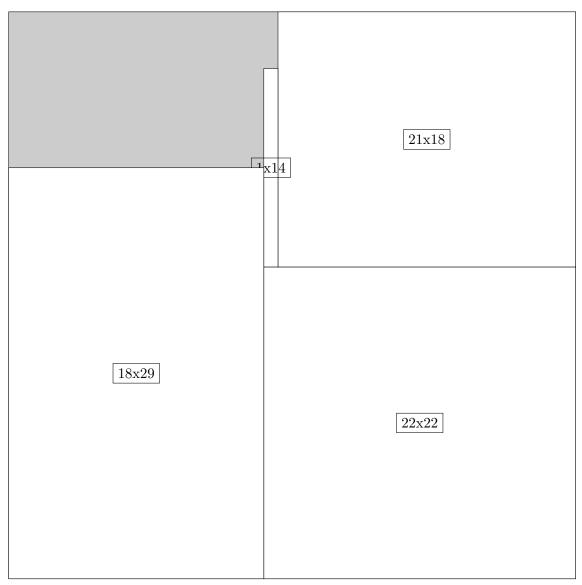
$$w$$
 =21 , h =4 , x =19 , y =35 , v =84

$$\le =13$$
 , h =13 , x =2 , y =22 , v =169

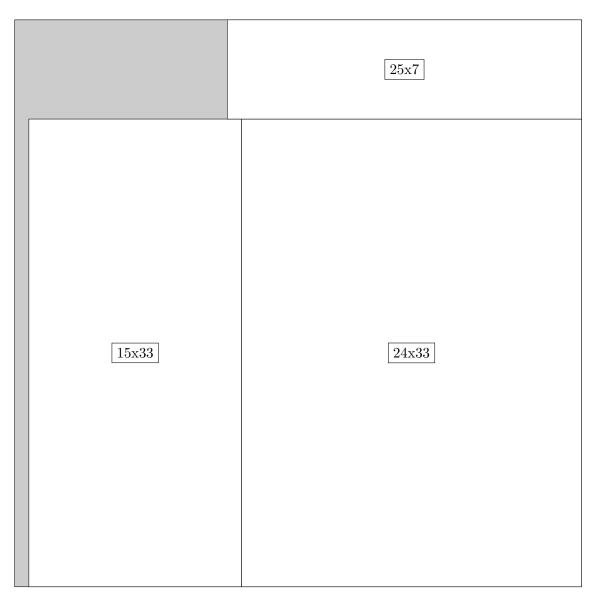


$$\begin{array}{l} w = & 32 \ , \ h = & 25 \ , \ x = & 8 \ , \ y = & 0 \ , \ v = & 800 \\ w = & 27 \ , \ h = & 12 \ , \ x = & 13 \ , \ y = & 25 \ , \ v = & 324 \\ w = & 27 \ , \ h = & 3 \ , \ x = & 13 \ , \ y = & 37 \ , \ v = & 81 \end{array}$$

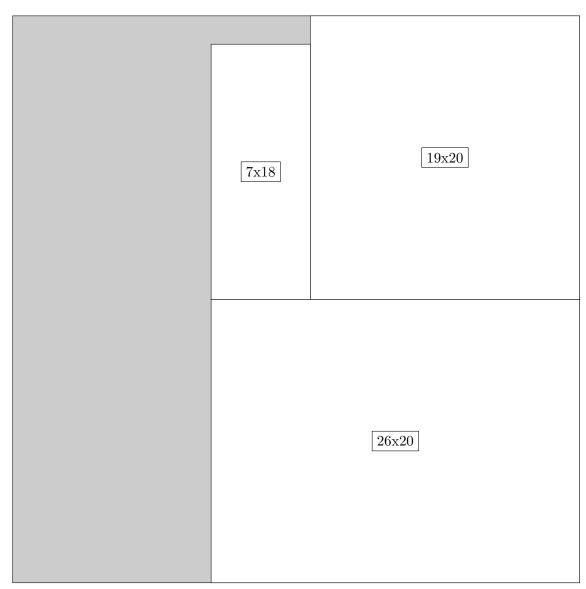
 $\le =8$, h =23 , x =0 , y =0 , v =184



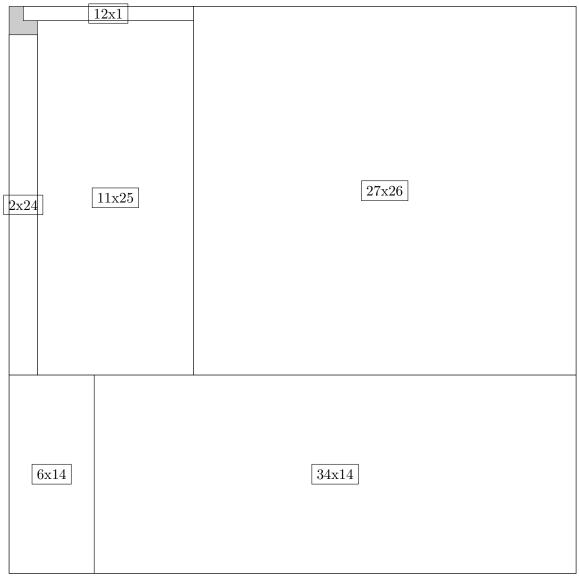
 $\begin{array}{l} w = & 22 \ , \ h = & 22 \ , \ x = & 18 \ , \ y = & 0 \ , \ v = & 484 \\ w = & 21 \ , \ h = & 18 \ , \ x = & 19 \ , \ y = & 22 \ , \ v = & 378 \\ w = & 1 \ , \ h = & 14 \ , \ x = & 18 \ , \ y = & 22 \ , \ v = & 14 \\ w = & 18 \ , \ h = & 29 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 522 \end{array}$



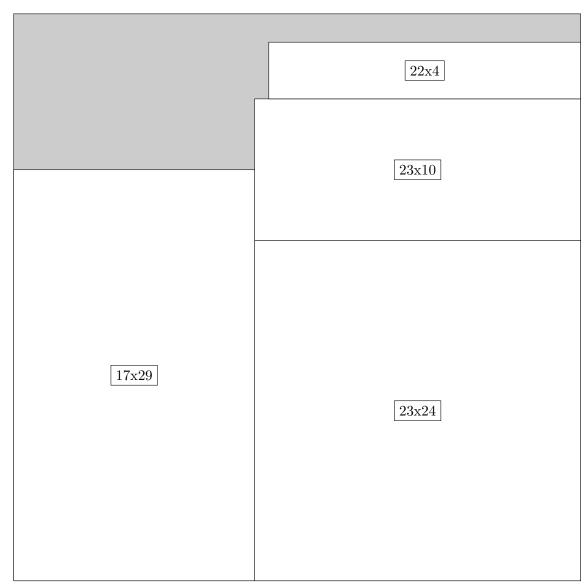
$$\begin{array}{l} w = 24 \; , \; h = 33 \; , \; x = 16 \; , \; y = 0 \; , \; v = 792 \\ w = 15 \; , \; h = 33 \; , \; x = 1 \; , \; y = 0 \; , \; v = 495 \\ w = 25 \; , \; h = 7 \; , \; x = 15 \; , \; y = 33 \; , \; v = 175 \end{array}$$



 $\begin{array}{l} w = 26 \ , \ h = 20 \ , \ x = 14 \ , \ y = 0 \ , \ v = 520 \\ w = 19 \ , \ h = 20 \ , \ x = 21 \ , \ y = 20 \ , \ v = 380 \\ w = 7 \ , \ h = 18 \ , \ x = 14 \ , \ y = 20 \ , \ v = 126 \end{array}$



$$\begin{array}{l} w = \!\! 34 \; , \; h = \!\! 14 \; , \; x = \!\! 6 \; , \; y = \!\! 0 \; , \; v = \!\! 476 \\ w = \!\! 6 \; , \; h = \!\! 14 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 84 \\ w = \!\! 27 \; , \; h = \!\! 26 \; , \; x = \!\! 13 \; , \; y = \!\! 14 \; , \; v = \!\! 702 \\ w = \!\! 11 \; , \; h = \!\! 25 \; , \; x = \!\! 2 \; , \; y = \!\! 14 \; , \; v = \!\! 275 \\ w = \!\! 2 \; , \; h = \!\! 24 \; , \; x = \!\! 0 \; , \; y = \!\! 14 \; , \; v = \!\! 48 \\ w = \!\! 12 \; , \; h = \!\! 1 \; , \; x = \!\! 1 \; , \; y = \!\! 39 \; , \; v = \!\! 12 \end{array}$$

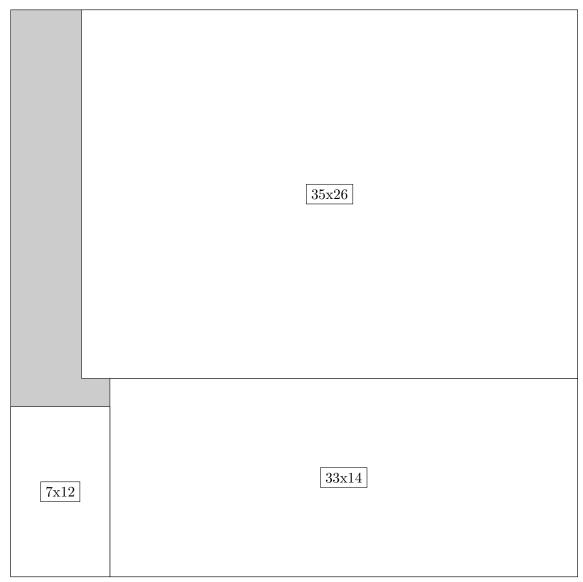


$$\le =23$$
 , h =24 , x =17 , y =0 , v =552

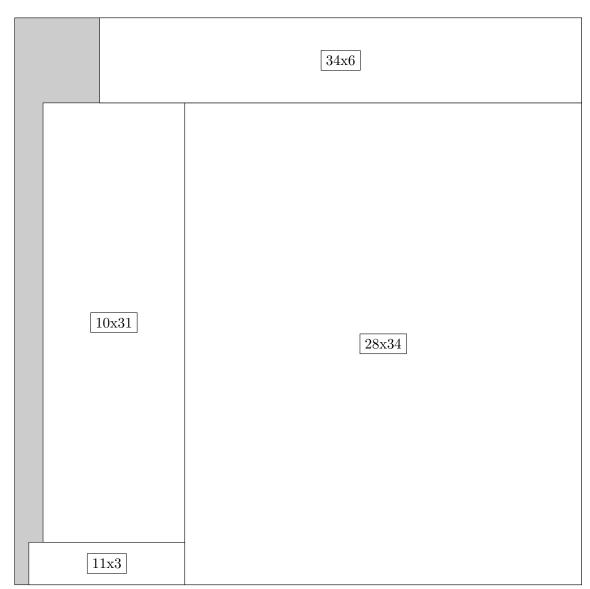
$$\le =23$$
 , h =10 , x =17 , y =24 , v =230

$$w$$
 =22 , h =4 , x =18 , y =34 , v =88

$$\mathbf{w}$$
 =17 , h =29 , x =0 , y =0 , v =493



$$\begin{array}{l} w = \! 33 \; , \; h = \! 14 \; , \; x = \! 7 \; , \; y = \! 0 \; , \; v = \! 462 \\ w = \! 7 \; , \; h = \! 12 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 84 \\ w = \! 35 \; , \; h = \! 26 \; , \; x = \! 5 \; , \; y = \! 14 \; , \; v = \! 910 \end{array}$$

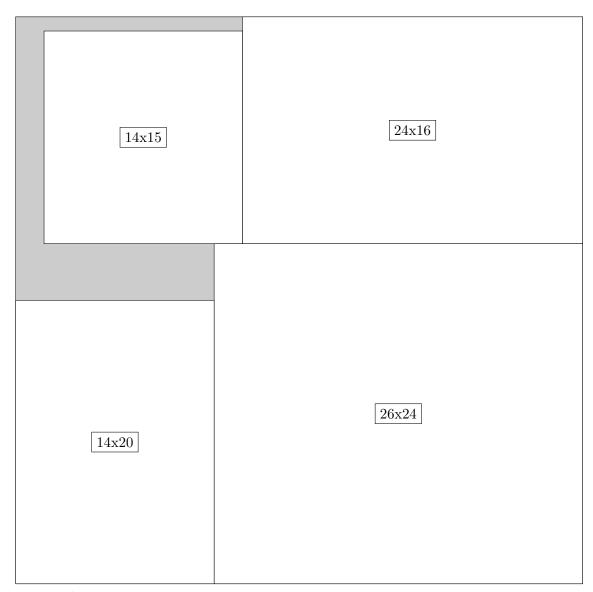


$$\le =28$$
 , h =34 , x =12 , y =0 , v =952

$$\le =11$$
 , h =3 , x =1 , y =0 , v =33

$$\le =10$$
 , h =31 , x =2 , y =3 , v =310

$$w = 34$$
, $h = 6$, $x = 6$, $y = 34$, $v = 204$

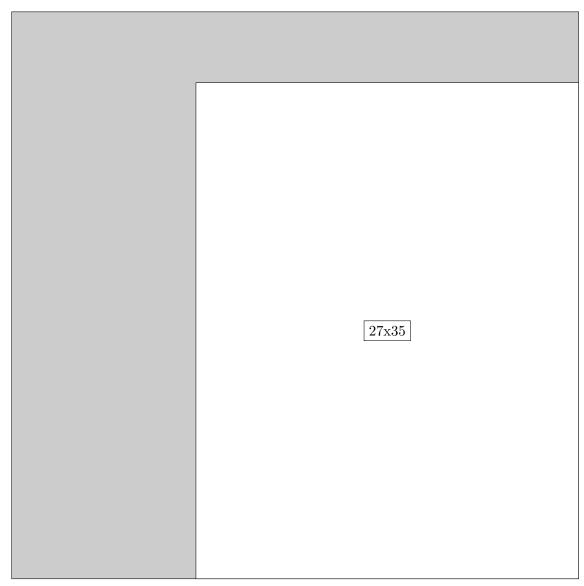


$$\le =26$$
 , h =24 , x =14 , y =0 , v =624

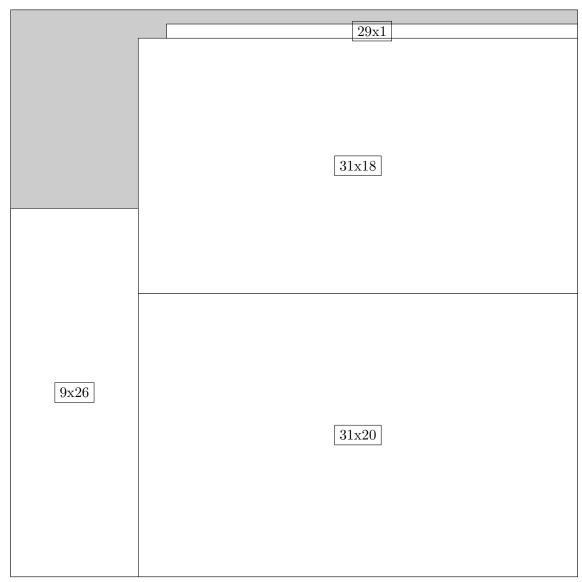
$$\le =14$$
 , $==20$, $==14$, $==120$, $==120$, $==120$, $==120$, $==120$, $==120$, $==120$, $==120$, $==120$, $==120$

$$\le =24$$
 , h =16 , x =16 , y =24 , v =384

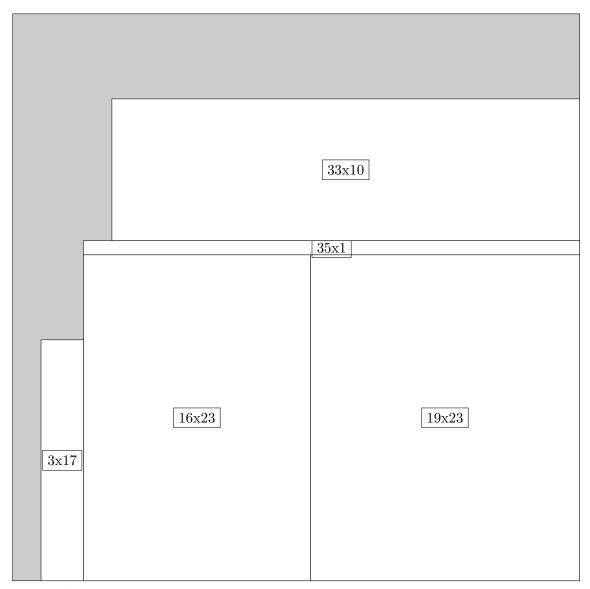
$$\mathbf{w}$$
 =14 , h =15 , x =2 , y =24 , v =210



 $\le =27$, h =35 , x =13 , y =0 , v =945



 $\begin{array}{l} w = & 31 \ , \ h = & 20 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 620 \\ w = & 31 \ , \ h = & 18 \ , \ x = & 9 \ , \ y = & 20 \ , \ v = & 558 \\ w = & 29 \ , \ h = & 1 \ , \ x = & 11 \ , \ y = & 38 \ , \ v = & 29 \\ w = & 9 \ , \ h = & 26 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 234 \end{array}$



 $\begin{array}{l} w = 19 \ , \, h = 23 \ , \, x = 21 \ , \, y = 0 \ , \, v = 437 \\ w = 16 \ , \, h = 23 \ , \, x = 5 \ , \, y = 0 \ , \, v = 368 \\ w = 3 \ , \, h = 17 \ , \, x = 2 \ , \, y = 0 \ , \, v = 51 \\ w = 35 \ , \, h = 1 \ , \, x = 5 \ , \, y = 23 \ , \, v = 35 \\ w = 33 \ , \, h = 10 \ , \, x = 7 \ , \, y = 24 \ , \, v = 330 \end{array}$