$ClassName: \ Class_02.2bp\text{-}39$

 $\begin{array}{ccc} \text{BinSize: } \underline{30} & \overline{\times} & \underline{30} \\ \text{ReduceSize: } \underline{30} & \times & \underline{30} \end{array}$

TypeNum: $\underline{58}$ Num: $\underline{80}$ OutS: $\underline{2700}$ InS: $\underline{2426}$ Rate: $\underline{0.899}$

UB: <u>3</u> LB: <u>3</u>

LBWithCut: $\underline{\mathbf{3}}$ NodeCount: $\underline{\mathbf{0}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{3}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.063 \text{ s}}$ TotalTime: $\underline{0.203 \text{ s}}$

		1x4 6x4	3x2	[10x1]
5x10	5x10	7x7	3x9	10x10
3x1 3x9	6x10	8x10	3x10	10x10
4x9	8x9		0x2 0x7	9x9

$$w = 9$$
, $h = 9$, $x = 21$, $y = 0$, $v = 81$

$$\mathbf{w}$$
 =9 , h =2 , x =12 , y =7 , v =18

$$w = 8$$
, $h = 9$, $x = 4$, $y = 0$, $v = 72$

$$\mathbf{w}=\!\!4$$
 , $\mathbf{h}=\!\!9$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!0$, $\mathbf{v}=\!\!36$

$$w=\!10$$
 , $h=\!10$, $x=\!20$, $y=\!9$, $v=\!100$

$$w = 10$$
, $h = 10$, $x = 20$, $y = 19$, $v = 100$

$$w = 10$$
, $h = 1$, $x = 20$, $y = 29$, $v = 10$

$$w = 3$$
, $h = 10$, $x = 17$, $y = 9$, $v = 30$

$$\le =3$$
 , h =9 , x =17 , y =19 , v =27

$$w$$
 =3 , h =2 , x =17 , y =28 , v =6

$$w = 8$$
, $h = 10$, $x = 9$, $y = 9$, $v = 80$

$$w = 6$$
, $h = 10$, $x = 3$, $y = 9$, $v = 60$

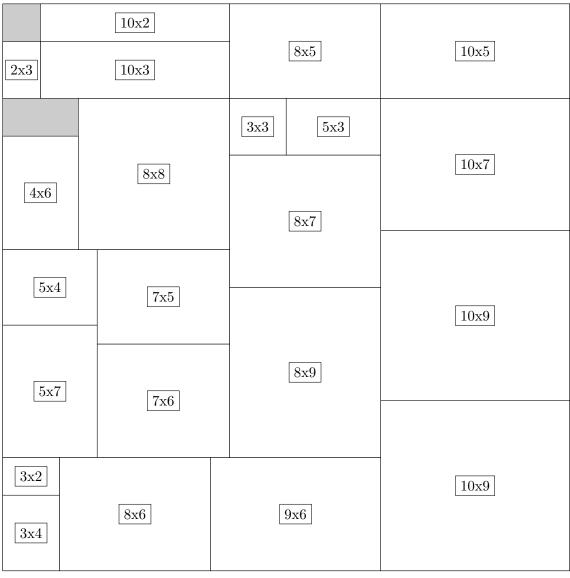
$$w = 3$$
, $h = 9$, $x = 0$, $y = 9$, $v = 27$

$$w = 3$$
, $h = 1$, $x = 0$, $y = 18$, $v = 3$

$$w$$
 =7 , h =7 , x =10 , y =19 , v =49

 $[\]le =9$, h =7 , x =12 , y =0 , v =63

 $\begin{array}{l} w = 6 \ , \ h = 4 \ , \ x = 11 \ , \ y = 26 \ , \ v = 24 \\ w = 1 \ , \ h = 4 \ , \ x = 10 \ , \ y = 26 \ , \ v = 4 \\ w = 5 \ , \ h = 10 \ , \ x = 5 \ , \ y = 19 \ , \ v = 50 \\ w = 5 \ , \ h = 10 \ , \ x = 0 \ , \ y = 19 \ , \ v = 50 \end{array}$



$$w = 10$$
, $h = 9$, $x = 20$, $y = 0$, $v = 90$

$$w = 10$$
, $h = 9$, $x = 20$, $y = 9$, $v = 90$

$$\mathbf{w}$$
 =10 , h =7 , x =20 , y =18 , v =70

$$w$$
 =9 , h =6 , x =11 , y =0 , v =
54 $\,$

$$w = 8$$
, $h = 6$, $x = 3$, $y = 0$, $v = 48$

$$w = 3$$
, $h = 4$, $x = 0$, $y = 0$, $v = 12$

$$\mathbf{w}$$
 =3 , h =2 , x =0 , y =4 , v =6

$$w = 8$$
, $h = 9$, $x = 12$, $y = 6$, $v = 72$
 $w = 8$, $h = 7$, $x = 12$, $y = 15$, $v = 56$

$$w = 3$$
, $h = 3$, $x = 13$, $y = 22$, $v = 1$

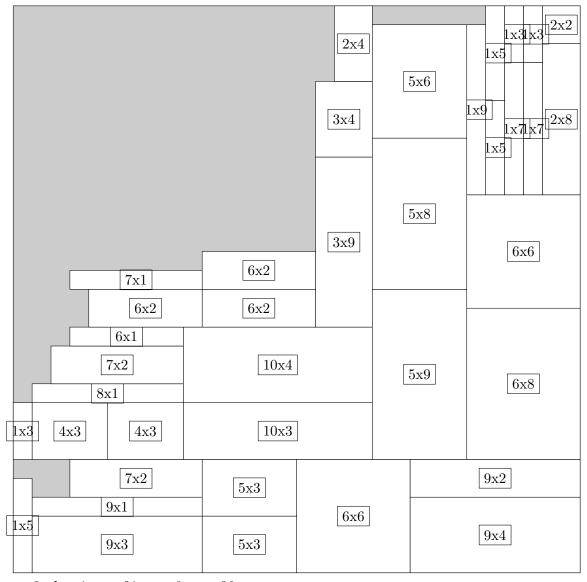
$$w = 3$$
, $h = 3$, $x = 12$, $y = 22$, $v = 9$

$$\mathbf{w}$$
 =5 , h =7 , x =0 , y =6 , v =35

$$w = 5$$
, $h = 4$, $x = 0$, $y = 13$, $v = 20$

$$w$$
 =8 , h =8 , x =4 , y =17 , v =64

 $\begin{array}{l} w=4\ ,\ h=6\ ,\ x=0\ ,\ y=17\ ,\ v=24\\ w=10\ ,\ h=5\ ,\ x=20\ ,\ y=25\ ,\ v=50\\ w=8\ ,\ h=5\ ,\ x=12\ ,\ y=25\ ,\ v=40\\ w=10\ ,\ h=3\ ,\ x=2\ ,\ y=25\ ,\ v=30\\ w=2\ ,\ h=3\ ,\ x=0\ ,\ y=25\ ,\ v=6\\ w=10\ ,\ h=2\ ,\ x=2\ ,\ y=28\ ,\ v=20\\ \end{array}$



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w =9 , h =4 , x =21 , y =0 , v =36
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$$w$$
 =9 , h =2 , x =21 , y =4 , v =18

$$w = 6$$
, $h = 6$, $x = 15$, $y = 0$, $v = 36$

$$\mathbf{w}$$
 =5 , h =3 , x =10 , y =0 , v =15

$$w = 5$$
, $h = 3$, $x = 10$, $y = 3$, $v = 15$

$$w = 9$$
, $h = 3$, $x = 1$, $y = 0$, $v = 27$

$$w = 9$$
, $h = 1$, $x = 1$, $y = 3$, $v = 9$

$$\mathbf{w}$$
 =7 , h =2 , x =3 , y =4 , v =14

$$w = 1$$
, $h = 5$, $x = 0$, $y = 0$, $v = 5$

$$w = 6$$
, $h = 8$, $x = 24$, $y = 6$, $v = 48$

$$w = 6$$
, $h = 6$, $x = 24$, $y = 14$, $v = 36$

$$\mathbf{w}$$
 =2 , h =8 , x =28 , y =20 , v =16

$$w = 2$$
, $h = 2$, $x = 28$, $y = 28$, $v = 4$

$$\mathbf{w}$$
 =1 , h =7 , x =27 , y =20 , v =7

$$w = 1$$
, $h = 3$, $x = 27$, $y = 27$, $v = 3$

$$w = 1$$
, $h = 7$, $x = 26$, $y = 20$, $v = 7$

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w = 1, h = 3, x = 26, y = 27, v = 3
w = 1, h = 5, x = 25, y = 20, v = 5
w = 1, h = 5, x = 25, y = 25, v = 5
w = 1, h = 9, x = 24, y = 20, v = 9
w = 5, h = 9, x = 19, y = 6, v = 45
w = 5, h = 8, x = 19, y = 15, v = 40
w = 5, h = 6, x = 19, y = 23, v = 30
w=\!10 , h=\!3 , x=\!9 , y=\!6 , v=\!30
w = 4, h = 3, x = 5, y = 6, v = 12
w = 4, h = 3, x = 1, y = 6, v = 12
w = 1, h = 3, x = 0, y = 6, v = 3
w = 10, h = 4, x = 9, y = 9, v = 40
w = 8, h = 1, x = 1, y = 9, v = 8
w = 7, h = 2, x = 2, y = 10, v = 14
w = 6, h = 1, x = 3, y = 12, v = 6
w = 3, h = 9, x = 16, y = 13, v = 27
w = 3, h = 4, x = 16, y = 22, v = 12
w = 2, h = 4, x = 17, y = 26, v = 8
w = 6, h = 2, x = 10, y = 13, v = 12
w = 6, h = 2, x = 4, y = 13, v = 12
\mathbf{w} =6 , h =2 , x =10 , y =15 , v =12
w = 7, h = 1, x = 3, y = 15, v = 7
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