$ClassName: \ Class_02.2bp-48$

BinSize: 30×30 ReduceSize: 30×30

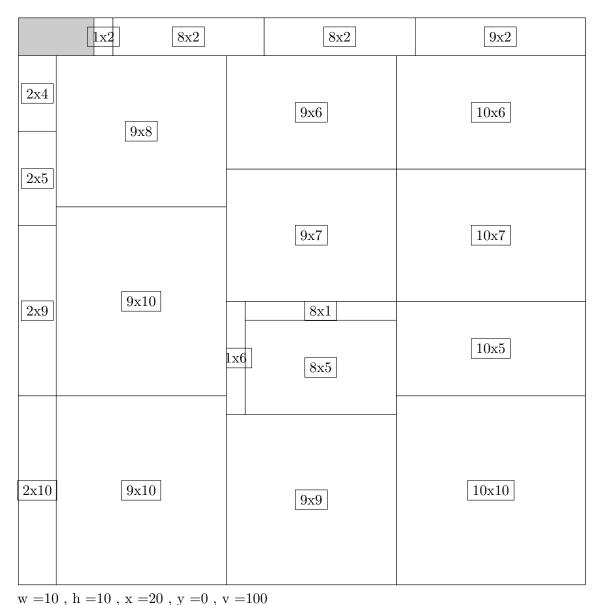
TypeNum: <u>67</u> Num: <u>100</u> OutS: <u>3600</u> InS: <u>2986</u> Rate: <u>0.829</u>

UB: <u>4</u> LB: <u>4</u>

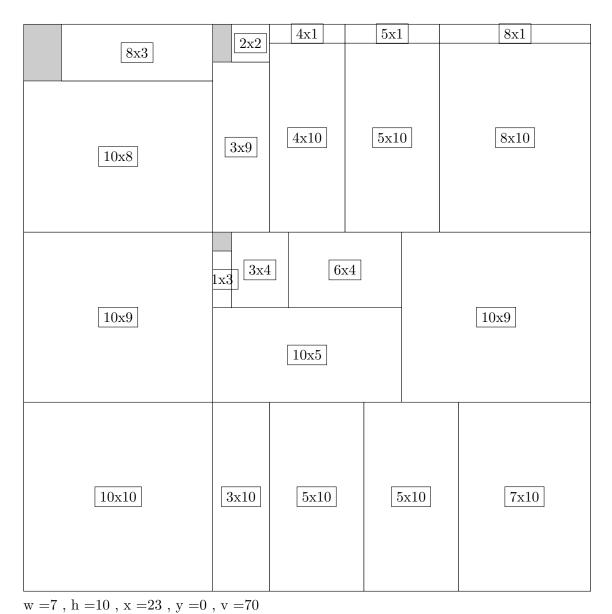
LBWithCut: $\underline{\mathbf{4}}$ NodeCount: $\underline{\mathbf{0}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{4}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ 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: $\underline{0.266 \text{ s}}$

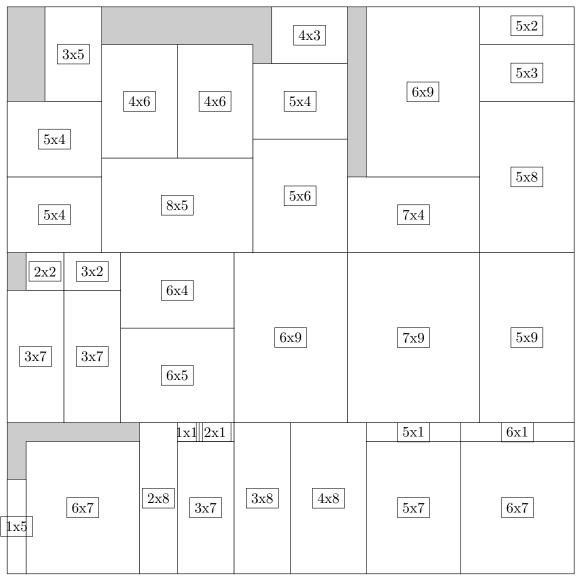


w =10, h =5, x =20, y =10, v =50 w =9, h =9, x =11, y =0, v =81 w =8, h =5, x =12, y =9, v =40 w =8, h =1, x =12, y =14, v =8 w =1, h =6, x =11, y =9, v =6 w =10, h =7, x =20, y =15, v =70 w =9, h =7, x =11, y =15, v =63 w =10, h =6, x =20, y =22, v =60 w =9, h =6, x =11, y =22, v =54 w =9, h =10, x =2, y =0, v =90 w =9, h =10, x =2, y =10, v =90 w =9, h =8, x =2, y =20, v =72 w =2, h =10, x =0, y =0, v =20 w =2, h =9, x =0, y =10, v =18 w =2, h =5, x =0, y =19, v =10 $\begin{array}{l} w=2\;,\; h=4\;,\; x=0\;,\; y=24\;,\; v=8\\ w=9\;,\; h=2\;,\; x=21\;,\; y=28\;,\; v=18\\ w=8\;,\; h=2\;,\; x=13\;,\; y=28\;,\; v=16\\ w=8\;,\; h=2\;,\; x=5\;,\; y=28\;,\; v=16\\ w=1\;,\; h=2\;,\; x=4\;,\; y=28\;,\; v=2 \end{array}$



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\begin{array}{l} w=5 \;,\; h=10\;,\; x=18\;,\; y=0\;,\; v=50\\ w=5\;,\; h=10\;,\; x=13\;,\; y=0\;,\; v=50\\ w=3\;,\; h=10\;,\; x=10\;,\; y=0\;,\; v=30\\ w=10\;,\; h=9\;,\; x=20\;,\; y=10\;,\; v=90\\ w=10\;,\; h=5\;,\; x=10\;,\; y=10\;,\; v=50\\ w=6\;,\; h=4\;,\; x=14\;,\; y=15\;,\; v=24\\ w=3\;,\; h=4\;,\; x=11\;,\; y=15\;,\; v=12\\ w=1\;,\; h=3\;,\; x=10\;,\; y=15\;,\; v=3\\ w=8\;,\; h=10\;,\; x=22\;,\; y=19\;,\; v=80\\ w=8\;,\; h=1\;,\; x=22\;,\; y=29\;,\; v=8\\ w=5\;,\; h=10\;,\; x=17\;,\; y=19\;,\; v=50\\ w=5\;,\; h=1\;,\; x=17\;,\; y=29\;,\; v=5\\ w=4\;,\; h=10\;,\; x=13\;,\; y=19\;,\; v=40\\ w=4\;,\; h=1\;,\; x=13\;,\; y=29\;,\; v=4\\ w=3\;,\; h=9\;,\; x=10\;,\; y=19\;,\; v=27\\ \end{array}
```

 $\begin{array}{l} w=2\ ,\, h=2\ ,\, x=11\ ,\, y=28\ ,\, v=4\\ w=10\ ,\, h=10\ ,\, x=0\ ,\, y=0\ ,\, v=100\\ w=10\ ,\, h=9\ ,\, x=0\ ,\, y=10\ ,\, v=90\\ w=10\ ,\, h=8\ ,\, x=0\ ,\, y=19\ ,\, v=80\\ w=8\ ,\, h=3\ ,\, x=2\ ,\, y=27\ ,\, v=24 \end{array}$



$$w = 6$$
, $h = 7$, $x = 24$, $y = 0$, $v = 42$

$$w = 5$$
, $h = 7$, $x = 19$, $y = 0$, $v = 35$

$$\mathbf{w}$$
 =5 , h =1 , x =19 , y =7 , v =5

$$w = 4$$
, $h = 8$, $x = 15$, $y = 0$, $v = 32$

$$\mathbf{w}$$
 =3 , h =8 , x =12 , y =0 , v =24

$$w = 3$$
, $h = 7$, $x = 9$, $y = 0$, $v = 21$

$$w = 2$$
, $h = 1$, $x = 10$, $y = 7$, $v = 2$

$$w = 1$$
, $h = 1$, $x = 9$, $y = 7$, $v = 1$

$$w=2$$
 , $h=8$, $x=7$, $y=0$, $v=\!16$

$$w = 6$$
, $h = 7$, $x = 1$, $y = 0$, $v = 42$

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

$$w = 5$$
, $h = 9$, $x = 25$, $y = 8$, $v = 45$

$$w = 5$$
, $h = 8$, $x = 25$, $y = 17$, $v = 40$

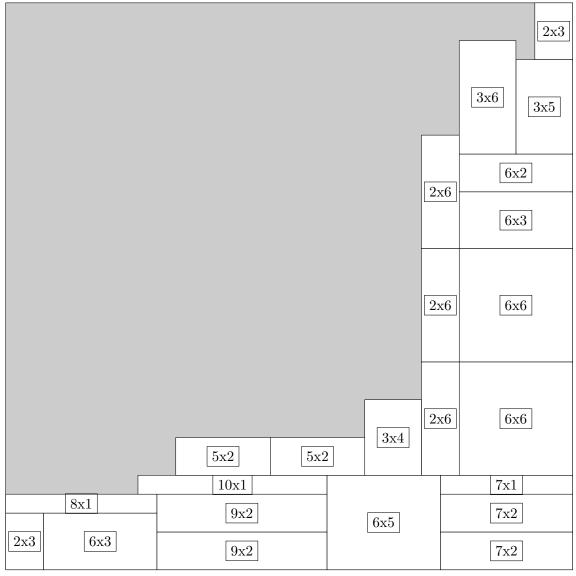
$$w = 5$$
, $h = 3$, $x = 25$, $y = 25$, $v = 15$

$$w = 5$$
, $h = 2$, $x = 25$, $y = 28$, $v = 10$

 $[\]mathbf{w}$ =6 , h =1 , x =24 , y =7 , v =6

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w = 7, h = 9, x = 18, y = 8, v = 63
w = 7, h = 4, x = 18, y = 17, v = 28
w = 6, h = 9, x = 19, y = 21, v = 54
w = 6, h = 9, x = 12, y = 8, v = 54
w = 6, h = 5, x = 6, y = 8, v = 30
w = 6, h = 4, x = 6, y = 13, v = 24
w = 3, h = 7, x = 3, y = 8, v = 21
\mathbf{w} =3 , \mathbf{h} =2 , \mathbf{x} =3 , \mathbf{y} =15 , \mathbf{v} =6
w = 3, h = 7, x = 0, y = 8, v = 21
w = 2, h = 2, x = 1, y = 15, v = 4
w = 5, h = 6, x = 13, y = 17, v = 30
w = 5, h = 4, x = 13, y = 23, v = 20
w = 4, h = 3, x = 14, y = 27, v = 12
w = 8, h = 5, x = 5, y = 17, v = 40
w = 4, h = 6, x = 9, y = 22, v = 24
w = 4, h = 6, x = 5, y = 22, v = 24
w = 5, h = 4, x = 0, y = 17, v = 20
w = 5, h = 4, x = 0, y = 21, v = 20
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w = 3, h = 5, x = 2, y = 25, v = 15



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w = 7, h = 2, x = 23, y = 0, v = 14
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$$w = 7$$
, $h = 2$, $x = 23$, $y = 2$, $v = 14$

$$w = 7$$
, $h = 1$, $x = 23$, $y = 4$, $v = 7$

$$w = 6$$
, $h = 5$, $x = 17$, $y = 0$, $v = 30$

$$w = 9$$
, $h = 2$, $x = 8$, $y = 0$, $v = 18$

$$\mathbf{w}$$
 =9 , h =2 , x =8 , y =2 , v =
18

$$w = 6$$
, $h = 3$, $x = 2$, $y = 0$, $v = 18$

$$w = 2$$
, $h = 3$, $x = 0$, $y = 0$, $v = 6$

$$w = 8$$
, $h = 1$, $x = 0$, $y = 3$, $v = 8$

$$w = 10$$
, $h = 1$, $x = 7$, $y = 4$, $v = 10$

$$w = 6$$
, $h = 6$, $x = 24$, $y = 5$, $v = 36$

$$w = 6$$
, $h = 6$, $x = 24$, $y = 11$, $v = 36$

$$w = 6$$
, $h = 3$, $x = 24$, $y = 17$, $v = 18$

$$w = 6$$
, $h = 2$, $x = 24$, $y = 20$, $v = 12$

$$w = 3$$
, $h = 5$, $x = 27$, $y = 22$, $v = 15$

$$w = 2$$
, $h = 3$, $x = 28$, $y = 27$, $v = 6$

 ≤ 3 , h = 6 , x = 24 , y = 22 , v = 18

 \mathbf{w} =2 , h =6 , x =22 , y =5 , v =12

 \mathbf{w} =2 , h =6 , x =22 , y =11 , v =12

 $\le =2$, h =6 , x =22 , y =17 , v =12

 \mathbf{w} =3 , h =4 , x =19 , y =5 , v =12

w =5 , h =2 , x =14 , y =5 , v =10

 $w=\!5$, $h=\!2$, $x=\!9$, $y=\!5$, $v=\!10$