${\bf ClassName:}~{\bf Class_02.2bp\text{-}32}$

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

TypeNum: $\underline{58}$ Num: $\underline{80}$ OutS: $\underline{2700}$ InS: $\underline{2298}$ Rate: $\underline{0.851}$

UB: **3** LB0: **3** LB: **3**

LBWithCut: $\underline{\mathbf{3}}$ NodeCut: $\underline{\mathbf{0}}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ 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: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.344 s

10x6	9x6	10x6
5x6 6x6	9x9	10x9
1x6 10x6	2x1	10.10
1x7 10x7	2x9 2x10 5x10	10x10
1x4 5x5 7x5	[7x5]	10x5

$$\begin{array}{l} w=7\ ,\ h=5\ ,\ x=13\ ,\ y=0\ ,\ v=35\\ w=7\ ,\ h=5\ ,\ x=6\ ,\ y=0\ ,\ v=35\\ w=5\ ,\ h=5\ ,\ x=1\ ,\ y=0\ ,\ v=25\\ w=1\ ,\ h=4\ ,\ x=0\ ,\ y=0\ ,\ v=4\\ w=10\ ,\ h=10\ ,\ x=20\ ,\ y=5\ ,\ v=100\\ w=10\ ,\ h=6\ ,\ x=20\ ,\ y=24\ ,\ v=60\\ w=5\ ,\ h=10\ ,\ x=15\ ,\ y=5\ ,\ v=50\\ \end{array}$$

w = 10, h = 5, x = 20, y = 0, v = 50

$$w = 2$$
, $h = 3$, $x = 11$, $y = 6$, $v = 16$
 $w = 2$, $h = 1$, $x = 11$, $y = 14$, $v = 2$

$$w = 2$$
, $h = 1$, $x = 11$, $y = 14$, $v = 2$

$$w$$
 =9 , h =9 , x =11 , y =15 , v =81

$$w = 1, h = 7, x = 0, y = 5, v = 7$$

 $\begin{array}{l} w = & 10 \;,\; h = & 6 \;,\; x = & 1 \;,\; y = & 12 \;,\; v = & 60 \\ w = & 1 \;,\; h = & 6 \;,\; x = & 0 \;,\; y = & 12 \;,\; v = & 6 \\ w = & 6 \;,\; h = & 6 \;,\; x = & 5 \;,\; y = & 18 \;,\; v = & 36 \\ w = & 5 \;,\; h = & 6 \;,\; x = & 0 \;,\; y = & 18 \;,\; v = & 30 \\ w = & 10 \;,\; h = & 6 \;,\; x = & 1 \;,\; y = & 24 \;,\; v = & 60 \end{array}$

1x2 3x2			8x1		
[5x4]	[6x7]	3x10	8x9		8x10
	2x1 4x1				
[5x8]	2x7 4x7	2x1 2x3	[7x4]	2x5	8x5
5x9	6x8		9x9	3x8	7x8
[5x7]	5x7	[5x7]	7x7		8x7

$$w = 8$$
, $h = 7$, $x = 22$, $y = 0$, $v = 56$

$$\mathbf{w}$$
 =5 , h =7 , x =10 , y =0 , v =35

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

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

$$w = 7$$
, $h = 8$, $x = 23$, $y = 7$, $v = 56$

$$w = 3$$
, $h = 8$, $x = 20$, $y = 7$, $v = 24$

$$w=\!8$$
 , $h=\!5$, $x=\!22$, $y=\!15$, $v=\!40$

$$w = 2$$
, $h = 5$, $x = 20$, $y = 15$, $v = 10$

$$w = 9$$
, $h = 9$, $x = 11$, $y = 7$, $v = 81$

$$w$$
 =7 , h =4 , x =13 , y =16 , v =28

$$w = 2$$
, $h = 3$, $x = 11$, $y = 16$, $v = 6$

$$w = 2$$
, $h = 1$, $x = 11$, $y = 19$, $v = 2$
 $w = 8$, $h = 10$, $x = 22$, $y = 20$, $v = 80$

$$w = 8$$
, $h = 9$, $x = 14$, $y = 20$, $v = 72$

$$w = 8$$
, $h = 1$, $x = 14$, $y = 29$, $v = 8$

w = 7, h = 7, x = 15, y = 0, v = 49

$$w$$
 =3 , h =10 , x =11 , y =20 , v =30

$$w = 6$$
, $h = 8$, $x = 5$, $y = 7$, $v = 48$

$$w = 4$$
, $h = 7$, $x = 7$, $y = 15$, $v = 28$

$$\mathbf{w}$$
 =4 , h =1 , x =7 , y =22 , v =4

$$\mathbf{w}$$
 =2 , h =7 , x =5 , y =15 , v =14

$$w = 2$$
, $h = 1$, $x = 5$, $y = 22$, $v = 2$

$$\mathbf{w}$$
 =6 , h =7 , x =5 , y =23 , v =42

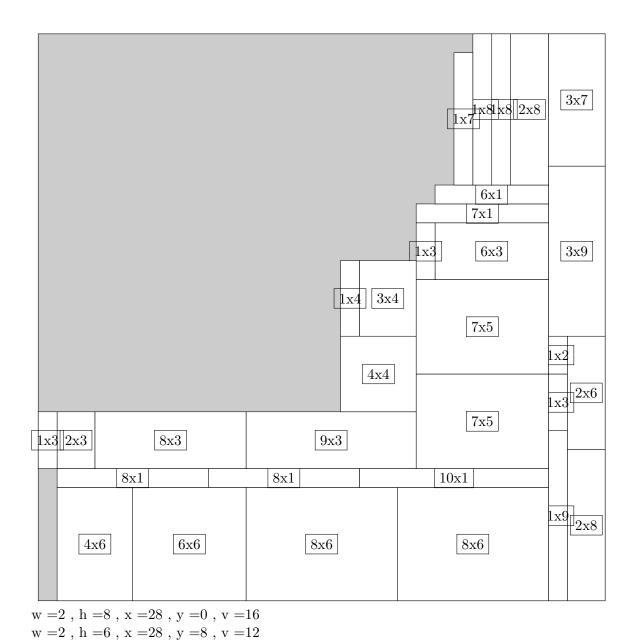
$$\mathbf{w}$$
 =5 , h =9 , x =0 , y =7 , v =45

$$w = 5$$
, $h = 8$, $x = 0$, $y = 16$, $v = 40$

$$\mathbf{w}$$
 =5 , h =4 , x =0 , y =24 , v =20

$$\mathbf{w}$$
 =3 , h =2 , x =2 , y =28 , v =6

$$\mathbf{w} = \! 1$$
 , $\mathbf{h} = \! 2$, $\mathbf{x} = \! 1$, $\mathbf{y} = \! 28$, $\mathbf{v} = \! 2$



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w = 2, h = 0, x = 26, y = 6, v = 12

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

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

w = 1, h = 2, x = 27, y = 12, v = 2

w = 3, h = 9, x = 27, y = 14, v = 27

w = 3, h = 7, x = 27, y = 23, v = 21

w = 8, h = 6, x = 19, y = 0, v = 48

w = 8, h = 6, x = 11, y = 0, v = 48

w = 6, h = 6, x = 11, y = 0, v = 36

w = 4, h = 6, x = 1, y = 0, v = 24

w = 10, h = 1, x = 17, y = 6, v = 10

w = 8, h = 1, x = 17, y = 6, v = 8

w = 8, h = 1, x = 1, y = 6, v = 8

w = 7, h = 5, x = 20, y = 7, v = 35
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w = 7, h = 5, x = 20, y = 12, v = 35

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\begin{array}{l} w=6\;,\;h=3\;,\;x=21\;,\;y=17\;,\;v=18\\ w=1\;,\;h=3\;,\;x=20\;,\;y=17\;,\;v=3\\ w=7\;,\;h=1\;,\;x=20\;,\;y=20\;,\;v=7\\ w=6\;,\;h=1\;,\;x=21\;,\;y=21\;,\;v=6\\ w=2\;,\;h=8\;,\;x=25\;,\;y=22\;,\;v=16\\ w=1\;,\;h=8\;,\;x=24\;,\;y=22\;,\;v=8\\ w=1\;,\;h=8\;,\;x=23\;,\;y=22\;,\;v=8\\ w=1\;,\;h=8\;,\;x=23\;,\;y=22\;,\;v=8\\ w=1\;,\;h=7\;,\;x=22\;,\;y=22\;,\;v=7\\ w=9\;,\;h=3\;,\;x=11\;,\;y=7\;,\;v=27\\ w=8\;,\;h=3\;,\;x=11\;,\;y=7\;,\;v=27\\ w=2\;,\;h=3\;,\;x=1\;,\;y=7\;,\;v=6\\ w=1\;,\;h=3\;,\;x=0\;,\;y=7\;,\;v=3\\ w=4\;,\;h=4\;,\;x=16\;,\;y=10\;,\;v=16\\ w=3\;,\;h=4\;,\;x=17\;,\;y=14\;,\;v=12\\ \end{array}
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w=1 , $h=\!\!4$, $x=\!\!16$, $y=\!\!14$, $v=\!\!4$