${\bf ClassName:}~{\bf Class_02.2bp\text{-}46}$

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

TypeNum: <u>63</u> Num: <u>100</u> OutS: <u>3600</u> InS: <u>2737</u> Rate: <u>0.760</u>

UB: <u>4</u> LB0: <u>4</u> LB: **4**

LBWithCut: $\underline{\mathbf{4}}$ NodeCut: $\underline{\mathbf{0}}$

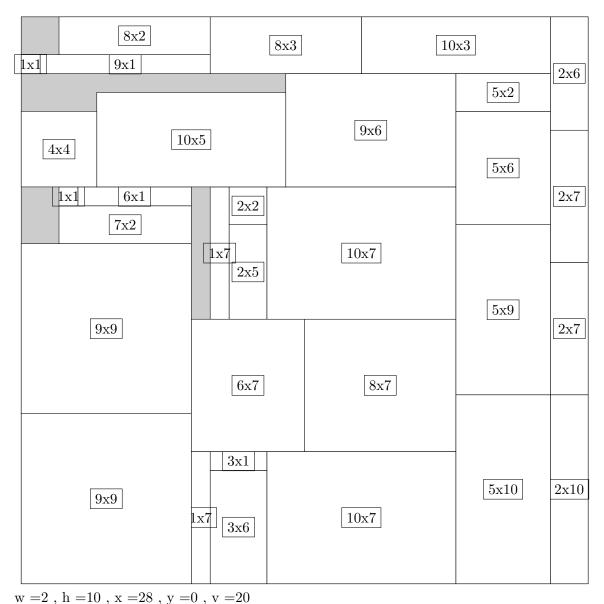
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

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

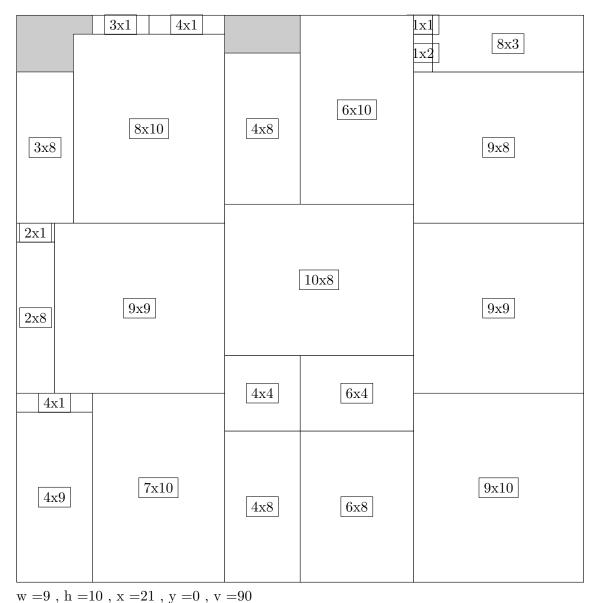
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.097 sTotalTime: 600.383 s



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\begin{array}{l} w=2\;,\;h=7\;,\;x=28\;,\;y=10\;,\;v=14\\ w=2\;,\;h=7\;,\;x=28\;,\;y=17\;,\;v=14\\ w=2\;,\;h=6\;,\;x=28\;,\;y=24\;,\;v=12\\ w=5\;,\;h=10\;,\;x=23\;,\;y=0\;,\;v=50\\ w=5\;,\;h=9\;,\;x=23\;,\;y=10\;,\;v=45\\ w=5\;,\;h=6\;,\;x=23\;,\;y=19\;,\;v=30\\ w=5\;,\;h=2\;,\;x=23\;,\;y=25\;,\;v=10\\ w=10\;,\;h=7\;,\;x=13\;,\;y=0\;,\;v=70\\ w=3\;,\;h=6\;,\;x=10\;,\;y=0\;,\;v=18\\ w=3\;,\;h=1\;,\;x=10\;,\;y=6\;,\;v=3\\ w=1\;,\;h=7\;,\;x=9\;,\;y=0\;,\;v=7\\ w=8\;,\;h=7\;,\;x=15\;,\;y=7\;,\;v=56\\ w=6\;,\;h=7\;,\;x=9\;,\;y=7\;,\;v=42\\ w=10\;,\;h=7\;,\;x=13\;,\;y=14\;,\;v=70\\ w=2\;,\;h=5\;,\;x=11\;,\;y=14\;,\;v=10\\ \end{array}
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\begin{array}{l} w=2\;,\;h=2\;,\;x=11\;,\;y=19\;,\;v=4\\ w=1\;,\;h=7\;,\;x=10\;,\;y=14\;,\;v=7\\ w=9\;,\;h=9\;,\;x=0\;,\;y=0\;,\;v=81\\ w=9\;,\;h=9\;,\;x=0\;,\;y=9\;,\;v=81\\ w=7\;,\;h=2\;,\;x=2\;,\;y=18\;,\;v=14\\ w=6\;,\;h=1\;,\;x=3\;,\;y=20\;,\;v=6\\ w=1\;,\;h=1\;,\;x=2\;,\;y=20\;,\;v=1\\ w=9\;,\;h=6\;,\;x=14\;,\;y=21\;,\;v=54\\ w=10\;,\;h=5\;,\;x=4\;,\;y=21\;,\;v=50\\ w=4\;,\;h=4\;,\;x=0\;,\;y=21\;,\;v=16\\ w=10\;,\;h=3\;,\;x=18\;,\;y=27\;,\;v=30\\ w=8\;,\;h=3\;,\;x=10\;,\;y=27\;,\;v=24\\ w=9\;,\;h=1\;,\;x=1\;,\;y=27\;,\;v=9\\ w=1\;,\;h=1\;,\;x=0\;,\;y=27\;,\;v=1\\ \end{array}
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w = 8, h = 2, x = 2, y = 28, v = 16



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w = 9, h = 9, x = 21, y = 10, v = 81

w = 9, h = 8, x = 21, y = 19, v = 72

w = 8, h = 3, x = 22, y = 27, v = 24

w = 1, h = 2, x = 21, y = 27, v = 2

w = 1, h = 1, x = 21, y = 29, v = 1

w = 6, h = 8, x = 15, y = 0, v = 48

w = 6, h = 4, x = 15, y = 8, v = 24

w = 4, h = 8, x = 11, y = 0, v = 32

w = 4, h = 4, x = 11, y = 12, v = 80

w = 10, h = 8, x = 11, y = 12, v = 80

w = 6, h = 10, x = 15, y = 20, v = 60

w = 4, h = 8, x = 11, y = 20, v = 32

w = 7, h = 10, x = 4, y = 0, v = 70

w = 4, h = 9, x = 0, y = 0, v = 36

w = 4, h = 1, x = 0, y = 9, v = 4
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w=9 , h=9 , x=2 , $y=\!10$, $v=\!81$

 \mathbf{w} =2 , h =8 , x =0 , y =10 , v =16

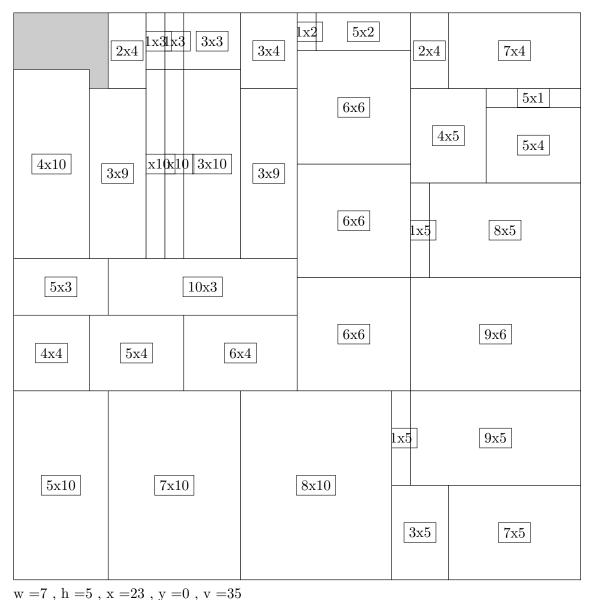
 \mathbf{w} =2 , h =1 , x =0 , y =18 , v =2

 $\le =8$, h =10 , x =3 , y =19 , v =80

 \mathbf{w} =4 , h =1 , x =7 , y =29 , v =4

 $\mathbf{w}=\!3$, $\mathbf{h}=\!\!1$, $\mathbf{x}=\!\!4$, $\mathbf{y}=\!\!29$, $\mathbf{v}=\!\!3$

 $\mathbf{w}=\!3$, $\mathbf{h}=\!8$, $\mathbf{x}=\!0$, $\mathbf{y}=\!19$, $\mathbf{v}=\!24$



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w = 3, h = 5, x = 20, y = 0, v = 15

w = 9, h = 5, x = 21, y = 5, v = 45

w = 1, h = 5, x = 20, y = 5, v = 5

w = 8, h = 10, x = 12, y = 0, v = 80

w = 7, h = 10, x = 5, y = 0, v = 70

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

w = 9, h = 6, x = 21, y = 10, v = 54

w = 8, h = 5, x = 22, y = 16, v = 40

w = 1, h = 5, x = 21, y = 16, v = 5

w = 5, h = 4, x = 25, y = 21, v = 20

w = 5, h = 1, x = 25, y = 21, v = 20

w = 5, h = 1, x = 25, y = 25, v = 5

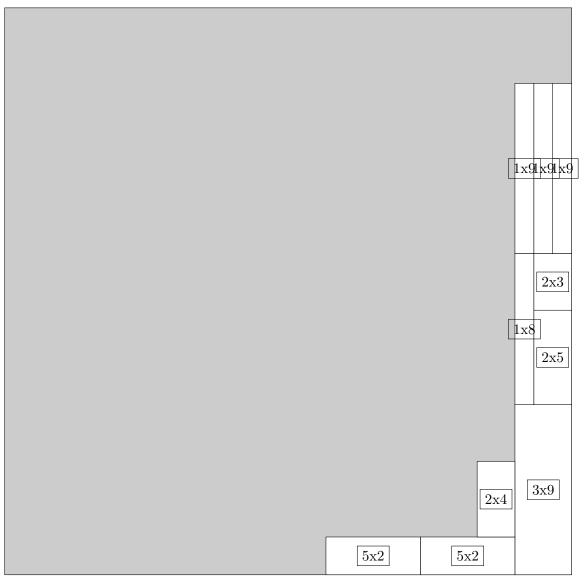
w = 4, h = 5, x = 21, y = 21, v = 20

w = 7, h = 4, x = 23, y = 26, v = 28

w = 2, h = 4, x = 21, y = 26, v = 8

w = 6, h = 6, x = 15, y = 10, v = 36
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w = 6, h = 6, x = 15, y = 16, v = 36
w = 6, h = 6, x = 15, y = 22, v = 36
w = 5, h = 2, x = 16, y = 28, v = 10
w = 1, h = 2, x = 15, y = 28, v = 2
w = 6, h = 4, x = 9, y = 10, v = 24
w = 5, h = 4, x = 4, y = 10, v = 20
w = 4, h = 4, x = 0, y = 10, v = 16
w=\!10 , h=\!3 , x=\!5 , y=\!14 , v=\!30
w = 5, h = 3, x = 0, y = 14, v = 15
w = 3, h = 9, x = 12, y = 17, v = 27
w = 3, h = 4, x = 12, y = 26, v = 12
\le =3 , h =10 , x =9 , y =17 , v =30
w = 3, h = 3, x = 9, y = 27, v = 9
w = 1, h = 10, x = 8, y = 17, v = 10
w = 1, h = 3, x = 8, y = 27, v = 3
w = 1, h = 10, x = 7, y = 17, v = 10
w = 1, h = 3, x = 7, y = 27, v = 3
w = 3, h = 9, x = 4, y = 17, v = 27
w = 2, h = 4, x = 5, y = 26, v = 8
w = 4, h = 10, x = 0, y = 17, v = 40
```



$$\begin{array}{l} w=3\ ,\, h=9\ ,\, x=27\ ,\, y=0\ ,\, v=27\\ w=2\ ,\, h=5\ ,\, x=28\ ,\, y=9\ ,\, v=10\\ w=2\ ,\, h=3\ ,\, x=28\ ,\, y=14\ ,\, v=6\\ w=1\ ,\, h=8\ ,\, x=27\ ,\, y=9\ ,\, v=8\\ w=1\ ,\, h=9\ ,\, x=29\ ,\, y=17\ ,\, v=9\\ w=1\ ,\, h=9\ ,\, x=28\ ,\, y=17\ ,\, v=9\\ w=1\ ,\, h=9\ ,\, x=27\ ,\, y=17\ ,\, v=9\\ w=5\ ,\, h=2\ ,\, x=22\ ,\, y=0\ ,\, v=10\\ w=5\ ,\, h=2\ ,\, x=17\ ,\, y=0\ ,\, v=10\\ w=2\ ,\, h=4\ ,\, x=25\ ,\, y=2\ ,\, v=8\\ \end{array}$$