$ClassName: \ Class_02.2bp\text{-}36$

BinSize: 30×30 ReduceSize: 30×30

TypeNum: <u>55</u> Num: <u>80</u> OutS: <u>2700</u> InS: <u>2660</u> Rate: <u>0.985</u>

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

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

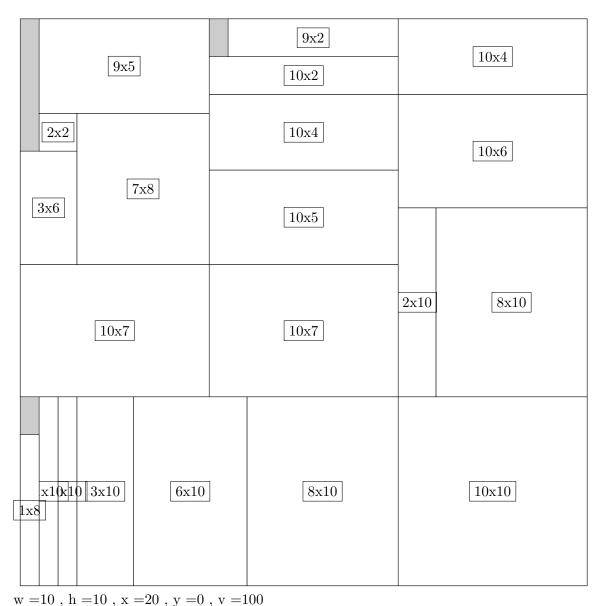
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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: 0.063 sTotalTime: 600.344 s



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

w =6, h =10, x =6, y =0, v =60

w =3, h =10, x =3, y =0, v =30

w =1, h =10, x =2, y =0, v =10

w =1, h =10, x =1, y =0, v =10

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

w =8, h =10, x =22, y =10, v =80

w =2, h =10, x =20, y =10, v =20

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

w =10, h =4, x =20, y =26, v =40

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

w =10, h =5, x =10, y =17, v =50

w =10, h =4, x =10, y =22, v =40

w =10, h =2, x =10, y =26, v =20

w =9, h =2, x =11, y =28, v =18
```

 $\begin{array}{l} w = \! 10 \; , \; h = \! 7 \; , \; x = \! 0 \; , \; y = \! 10 \; , \; v = \! 70 \\ w = \! 7 \; , \; h = \! 8 \; , \; x = \! 3 \; , \; y = \! 17 \; , \; v = \! 56 \end{array}$

 $\le =3$, h =6 , x =0 , y =17 , v =18

 \mathbf{w} =2 , h =2 , x =1 , y =23 , v =4

 $\le =9$, h =5 , x =1 , y =25 , v =45

2x7 7x8	3x9 5x9	6x9	7x9
9x6	6x5	7x1 7x5	8x6
9x7	1x7] [5x7]	7x7	[8x7]
9x9	6x9	6x2 6x6	9x8

$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 21 \ , \ y = 0 \ , \ v = 72 \\ w = 6 \ , \ h = 6 \ , \ x = 15 \ , \ y = 0 \ , \ v = 36 \\ w = 6 \ , \ h = 2 \ , \ x = 15 \ , \ y = 6 \ , \ v = 12 \end{array}$$

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

$$w$$
 =7 , h =7 , x =15 , y =8 , v =49

$$w = 8$$
, $h = 6$, $x = 22$, $y = 15$, $v = 48$

$$w = 7$$
, $h = 5$, $x = 15$, $y = 15$, $v = 35$

$$w = 7$$
, $h = 1$, $x = 15$, $y = 20$, $v = 7$

$$\mathbf{w}$$
 =6 , h =9 , x =9 , y =0 , v =
54

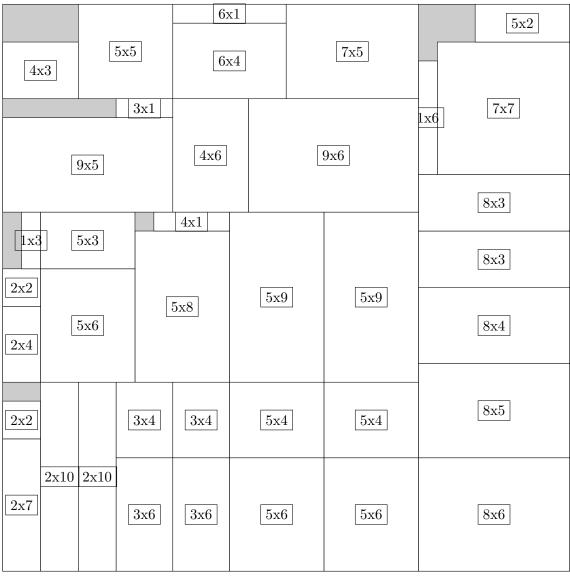
$$\mathbf{w}$$
 =1 , h =7 , x =9 , y =9 , v =7

$$w = 6$$
, $h = 5$, $x = 9$, $y = 16$, $v = 30$

$$w$$
 =7 , h =9 , x =23 , y =21 , v =63

$$w = 3$$
, $h = 9$, $x = 9$, $y = 21$, $v = 27$

 $\begin{array}{l} w=9\ ,\, h=9\ ,\, x=0\ ,\, y=0\ ,\, v=81\\ w=9\ ,\, h=7\ ,\, x=0\ ,\, y=9\ ,\, v=63\\ w=9\ ,\, h=6\ ,\, x=0\ ,\, y=16\ ,\, v=54\\ w=7\ ,\, h=8\ ,\, x=2\ ,\, y=22\ ,\, v=56\\ w=2\ ,\, h=7\ ,\, x=0\ ,\, y=22\ ,\, v=14 \end{array}$



$$w = 8$$
, $h = 6$, $x = 22$, $y = 0$, $v = 48$

$$w = 8$$
, $h = 4$, $x = 22$, $y = 11$, $v = 32$

$$w$$
 =8 , h =3 , x =22 , y =15 , v =24

$$w = 8$$
, $h = 3$, $x = 22$, $y = 18$, $v = 24$

$$w = 7$$
, $h = 7$, $x = 23$, $y = 21$, $v = 49$

$$w = 1$$
, $h = 6$, $x = 22$, $y = 21$, $v = 6$

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

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

$$w = 5$$
, $h = 4$, $x = 17$, $y = 6$, $v = 20$

$$w = 5$$
, $h = 6$, $x = 12$, $y = 0$, $v = 30$

$$w = 5$$
, $h = 4$, $x = 12$, $y = 6$, $v = 20$

$$w = 3$$
, $h = 6$, $x = 9$, $y = 0$, $v = 18$

$$w = 3$$
, $h = 4$, $x = 9$, $y = 6$, $v = 12$

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

$$w = 3$$
, $h = 4$, $x = 6$, $y = 6$, $v = 12$

w = 8, h = 5, x = 22, y = 6, v = 40

```
\mathbf{w} =2 , h =10 , x =4 , y =0 , v =20
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$$w = 2$$
, $h = 10$, $x = 2$, $y = 0$, $v = 20$

$$\mathbf{w}$$
 =2 , h =7 , x =0 , y =0 , v =14

$$w = 2$$
, $h = 2$, $x = 0$, $y = 7$, $v = 4$

$$w = 5$$
, $h = 9$, $x = 17$, $y = 10$, $v = 45$

$$w = 5$$
, $h = 9$, $x = 12$, $y = 10$, $v = 45$

$$w = 5$$
, $h = 8$, $x = 7$, $y = 10$, $v = 40$

$$\mathbf{w}$$
 =4 , h =1 , x =8 , y =18 , v =4

$$w = 5$$
, $h = 6$, $x = 2$, $y = 10$, $v = 30$

$$w = 2$$
, $h = 4$, $x = 0$, $y = 10$, $v = 8$

$$w = 2$$
, $h = 2$, $x = 0$, $y = 14$, $v = 4$

$$w = 5$$
, $h = 3$, $x = 2$, $y = 16$, $v = 15$

$$w = 1$$
, $h = 3$, $x = 1$, $y = 16$, $v = 3$

$$w = 9$$
, $h = 6$, $x = 13$, $y = 19$, $v = 54$

$$w = 4$$
, $h = 6$, $x = 9$, $y = 19$, $v = 24$

$$w$$
 =9 , h =5 , x =0 , y =19 , v =45

$$w = 3$$
, $h = 1$, $x = 6$, $y = 24$, $v = 3$

$$w = 7$$
, $h = 5$, $x = 15$, $y = 25$, $v = 35$

$$w = 6$$
, $h = 4$, $x = 9$, $y = 25$, $v = 24$

$$w = 6$$
, $h = 1$, $x = 9$, $y = 29$, $v = 6$

$$w = 5$$
, $h = 5$, $x = 4$, $y = 25$, $v = 25$

$$w = 4$$
, $h = 3$, $x = 0$, $y = 25$, $v = 12$