$ClassName: \ Class_04.2bp-44$

BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

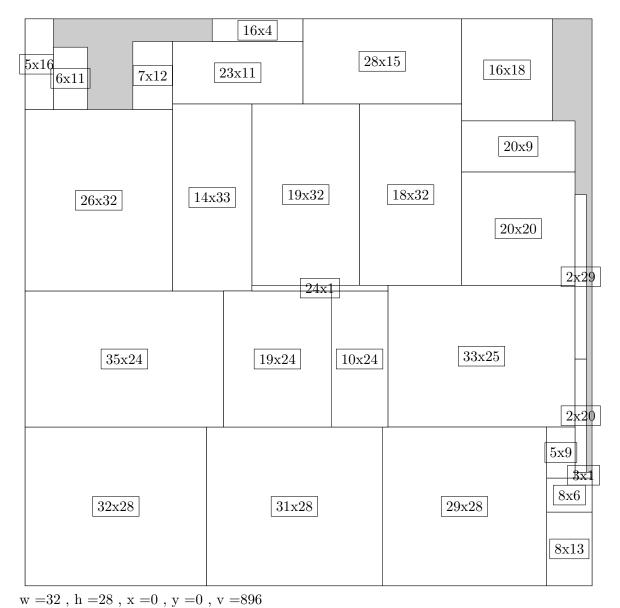
TypeNum: <u>98</u> Num: <u>100</u> OutS: <u>40000</u> InS: <u>32327</u> Rate: <u>0.808</u>

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

LBWithCut: $\underline{\mathbf{4}}$ NodeCut: $\underline{\mathbf{0}}$ 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: $\underline{\mathbf{1}}$

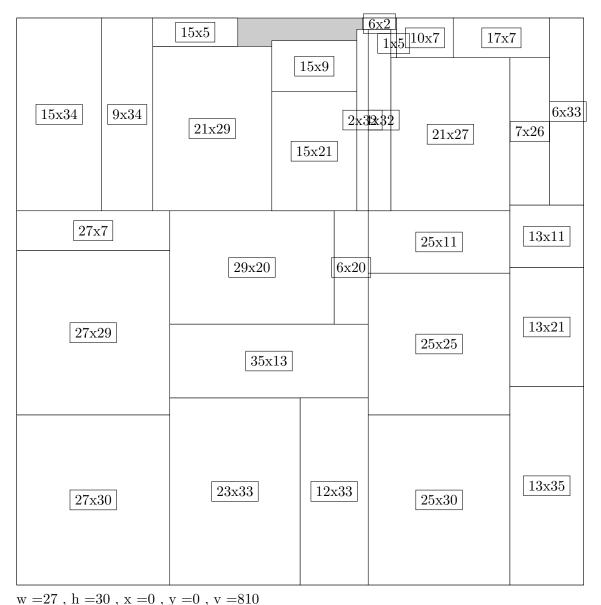
isOpt: **true**

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.081 sTotalTime: 0.134 s



```
\begin{array}{l} w = & 31 \ , \ h = & 28 \ , \ x = & 32 \ , \ y = & 0 \ , \ v = & 868 \\ w = & 35 \ , \ h = & 24 \ , \ x = & 0 \ , \ y = & 28 \ , \ v = & 840 \\ w = & 26 \ , \ h = & 32 \ , \ x = & 0 \ , \ y = & 52 \ , \ v = & 832 \\ w = & 33 \ , \ h = & 25 \ , \ x = & 64 \ , \ y = & 28 \ , \ v = & 825 \\ w = & 29 \ , \ h = & 28 \ , \ x = & 63 \ , \ y = & 0 \ , \ v = & 812 \\ w = & 19 \ , \ h = & 32 \ , \ x = & 40 \ , \ y = & 53 \ , \ v = & 608 \\ w = & 18 \ , \ h = & 32 \ , \ x = & 59 \ , \ y = & 53 \ , \ v = & 576 \\ w = & 14 \ , \ h = & 33 \ , \ x = & 26 \ , \ y = & 52 \ , \ v = & 462 \\ w = & 19 \ , \ h = & 24 \ , \ x = & 35 \ , \ y = & 28 \ , \ v = & 420 \\ w = & 28 \ , \ h = & 15 \ , \ x = & 49 \ , \ y = & 85 \ , \ v = & 420 \\ w = & 20 \ , \ h = & 20 \ , \ x = & 77 \ , \ y = & 82 \ , \ v = & 288 \\ w = & 23 \ , \ h = & 11 \ , \ x = & 26 \ , \ y = & 85 \ , \ v = & 253 \\ w = & 10 \ , \ h = & 24 \ , \ x = & 54 \ , \ y = & 28 \ , \ v = & 240 \\ \end{array}
```

 $\begin{array}{l} w=20\;,\; h=9\;,\; x=77\;,\; y=73\;,\; v=180\\ w=8\;,\; h=13\;,\; x=92\;,\; y=0\;,\; v=104\\ w=7\;,\; h=12\;,\; x=19\;,\; y=84\;,\; v=84\\ w=5\;,\; h=16\;,\; x=0\;,\; y=84\;,\; v=80\\ w=6\;,\; h=11\;,\; x=5\;,\; y=84\;,\; v=66\\ w=16\;,\; h=4\;,\; x=33\;,\; y=96\;,\; v=64\\ w=2\;,\; h=29\;,\; x=97\;,\; y=40\;,\; v=58\\ w=8\;,\; h=6\;,\; x=92\;,\; y=13\;,\; v=48\\ w=5\;,\; h=9\;,\; x=92\;,\; y=19\;,\; v=45\\ w=24\;,\; h=1\;,\; x=40\;,\; y=52\;,\; v=24\\ w=3\;,\; h=1\;,\; x=97\;,\; y=19\;,\; v=3\\ \end{array}$



```
w =27, h =29, x =0, y =30, v =783

w =23, h =33, x =27, y =0, v =759

w =25, h =30, x =62, y =0, v =750

w =25, h =25, x =62, y =30, v =625

w =21, h =29, x =24, y =66, v =609

w =29, h =20, x =27, y =46, v =580

w =21, h =27, x =66, y =66, v =567

w =15, h =34, x =0, y =66, v =510

w =35, h =13, x =27, y =33, v =455

w =13, h =35, x =87, y =0, v =455

w =12, h =33, x =50, y =0, v =396

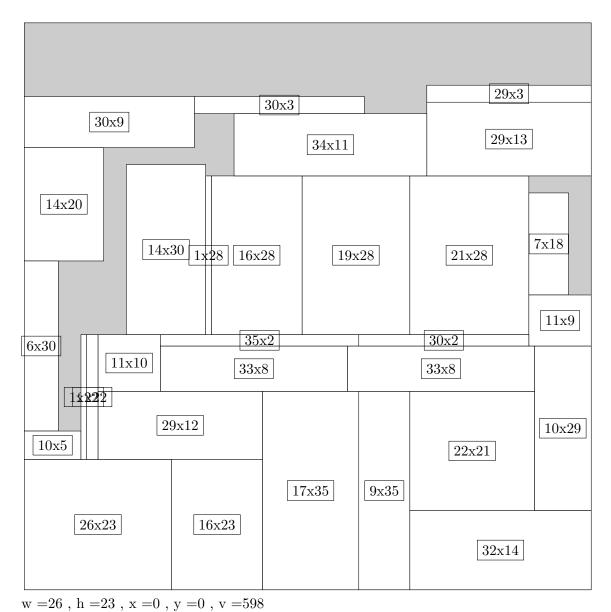
w =15, h =21, x =45, y =66, v =315

w =9, h =34, x =15, y =66, v =306

w =25, h =11, x =62, y =55, v =275

w =13, h =21, x =87, y =35, v =273
```

```
\begin{array}{l} w=6\;,\; h=33\;,\; x=94\;,\; y=67\;,\; v=198\\ w=27\;,\; h=7\;,\; x=0\;,\; y=59\;,\; v=189\\ w=7\;,\; h=26\;,\; x=87\;,\; y=67\;,\; v=182\\ w=13\;,\; h=11\;,\; x=87\;,\; y=56\;,\; v=143\\ w=15\;,\; h=9\;,\; x=45\;,\; y=87\;,\; v=135\\ w=4\;,\; h=32\;,\; x=62\;,\; y=66\;,\; v=128\\ w=6\;,\; h=20\;,\; x=56\;,\; y=46\;,\; v=120\\ w=17\;,\; h=7\;,\; x=77\;,\; y=93\;,\; v=119\\ w=15\;,\; h=5\;,\; x=24\;,\; y=95\;,\; v=75\\ w=10\;,\; h=7\;,\; x=67\;,\; y=93\;,\; v=70\\ w=2\;,\; h=32\;,\; x=60\;,\; y=66\;,\; v=64\\ w=6\;,\; h=2\;,\; x=61\;,\; y=98\;,\; v=12\\ w=1\;,\; h=5\;,\; x=66\;,\; y=93\;,\; v=5\\ \end{array}
```



```
\begin{array}{l} w = 17 \; , \; h = 35 \; , \; x = 42 \; , \; y = 0 \; , \; v = 595 \\ w = 21 \; , \; h = 28 \; , \; x = 68 \; , \; y = 45 \; , \; v = 588 \\ w = 19 \; , \; h = 28 \; , \; x = 49 \; , \; y = 45 \; , \; v = 532 \\ w = 22 \; , \; h = 21 \; , \; x = 68 \; , \; y = 14 \; , \; v = 462 \\ w = 32 \; , \; h = 14 \; , \; x = 68 \; , \; y = 0 \; , \; v = 448 \\ w = 16 \; , \; h = 28 \; , \; x = 33 \; , \; y = 45 \; , \; v = 448 \\ w = 14 \; , \; h = 30 \; , \; x = 18 \; , \; y = 45 \; , \; v = 420 \\ w = 29 \; , \; h = 13 \; , \; x = 71 \; , \; y = 73 \; , \; v = 377 \\ w = 34 \; , \; h = 11 \; , \; x = 37 \; , \; y = 73 \; , \; v = 374 \\ w = 29 \; , \; h = 12 \; , \; x = 13 \; , \; y = 23 \; , \; v = 348 \\ w = 9 \; , \; h = 35 \; , \; x = 59 \; , \; y = 0 \; , \; v = 315 \\ w = 10 \; , \; h = 29 \; , \; x = 90 \; , \; y = 14 \; , \; v = 290 \\ w = 14 \; , \; h = 20 \; , \; x = 0 \; , \; y = 58 \; , \; v = 280 \\ w = 30 \; , \; h = 9 \; , \; x = 0 \; , \; y = 78 \; , \; v = 270 \\ w = 33 \; , \; h = 8 \; , \; x = 57 \; , \; y = 35 \; , \; v = 264 \\ \end{array}
```

$$w = 33$$
, $h = 8$, $x = 24$, $y = 35$, $v = 264$

$$\mathbf{w}$$
 =6 , h =30 , x =0 , y =28 , v =180

$$w=7$$
 , $h=\!18$, $x=\!89$, $y=\!52$, $v=\!126$

$$w$$
 =11 , h =10 , x =13 , y =35 , v =110

$$w = 11$$
, $h = 9$, $x = 89$, $y = 43$, $v = 99$

$$w = 30$$
, $h = 3$, $x = 30$, $y = 84$, $v = 90$

$$\le =29$$
 , h =3 , x =71 , y =86 , v =87

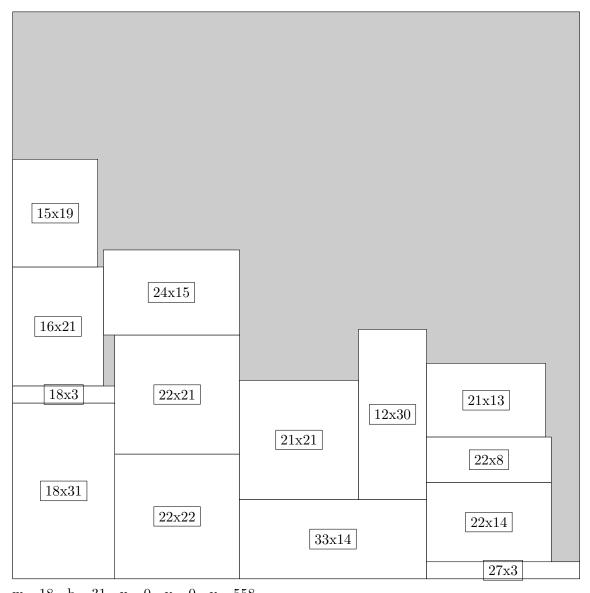
$$w = 30$$
, $h = 2$, $x = 59$, $y = 43$, $v = 60$

$$\le =10$$
 , h =5 , x =0 , y =23 , v =50

$$w = 2$$
, $h = 22$, $x = 11$, $y = 23$, $v = 44$

$$w = 1$$
, $h = 28$, $x = 32$, $y = 45$, $v = 28$

$$\le =1$$
 , h =22 , x =10 , y =23 , v =22



```
\begin{array}{l} w = 18 \;,\; h = 31 \;,\; x = 0 \;,\; y = 0 \;,\; v = 558 \\ w = 22 \;,\; h = 22 \;,\; x = 18 \;,\; y = 0 \;,\; v = 484 \\ w = 33 \;,\; h = 14 \;,\; x = 40 \;,\; y = 0 \;,\; v = 462 \\ w = 22 \;,\; h = 21 \;,\; x = 18 \;,\; y = 22 \;,\; v = 462 \\ w = 21 \;,\; h = 21 \;,\; x = 40 \;,\; y = 14 \;,\; v = 441 \\ w = 24 \;,\; h = 15 \;,\; x = 16 \;,\; y = 43 \;,\; v = 360 \\ w = 12 \;,\; h = 30 \;,\; x = 61 \;,\; y = 14 \;,\; v = 360 \\ w = 16 \;,\; h = 21 \;,\; x = 0 \;,\; y = 34 \;,\; v = 336 \\ w = 22 \;,\; h = 14 \;,\; x = 73 \;,\; y = 3 \;,\; v = 308 \\ w = 15 \;,\; h = 19 \;,\; x = 0 \;,\; y = 55 \;,\; v = 285 \\ w = 21 \;,\; h = 13 \;,\; x = 73 \;,\; y = 25 \;,\; v = 273 \\ w = 22 \;,\; h = 8 \;,\; x = 73 \;,\; y = 17 \;,\; v = 176 \\ w = 27 \;,\; h = 3 \;,\; x = 73 \;,\; y = 0 \;,\; v = 81 \\ w = 18 \;,\; h = 3 \;,\; x = 0 \;,\; y = 31 \;,\; v = 54 \end{array}
```