$ClassName: \ Class_04.2bp-32$

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

TypeNum: <u>76</u> Num: <u>80</u> OutS: <u>30000</u> InS: <u>24830</u> Rate: <u>0.828</u>

UB: <u>3</u> LB0: <u>3</u> 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: 0.085 sTotalTime: 600.430 s



```
w = 0, h = 31, x = 94, y = 0, v = 130

w = 6, h = 27, x = 94, y = 31, v = 162

w = 6, h = 15, x = 94, y = 58, v = 90

w = 4, h = 27, x = 96, y = 73, v = 108

w = 1, h = 25, x = 95, y = 73, v = 25

w = 29, h = 19, x = 65, y = 0, v = 551

w = 35, h = 17, x = 30, y = 0, v = 595

w = 27, h = 2, x = 38, y = 17, v = 54

w = 7, h = 2, x = 31, y = 17, v = 14

w = 15, h = 18, x = 15, y = 0, v = 270

w = 34, h = 20, x = 60, y = 19, v = 680

w = 17, h = 20, x = 43, y = 19, v = 340

w = 34, h = 34, x = 60, y = 39, v = 1156

w = 17, h = 32, x = 43, y = 39, v = 544

w = 1, h = 32, x = 42, y = 39, v = 32

w = 33, h = 22, x = 61, y = 73, v = 726
```

$$w = 32$$
, $h = 2$, $x = 62$, $y = 95$, $v = 64$

$$w$$
 =26 , h =1 , x =68 , y =97 , v =26

$$w$$
 =23 , h =2 , x =71 , y =98 , v =46

$$w = 20$$
, $h = 25$, $x = 41$, $y = 73$, $v = 500$

$$w = 28$$
, $h = 24$, $x = 13$, $y = 19$, $v = 672$

$$w = 28$$
, $h = 21$, $x = 13$, $y = 43$, $v = 588$

$$w = 26$$
, $h = 30$, $x = 15$, $y = 64$, $v = 780$

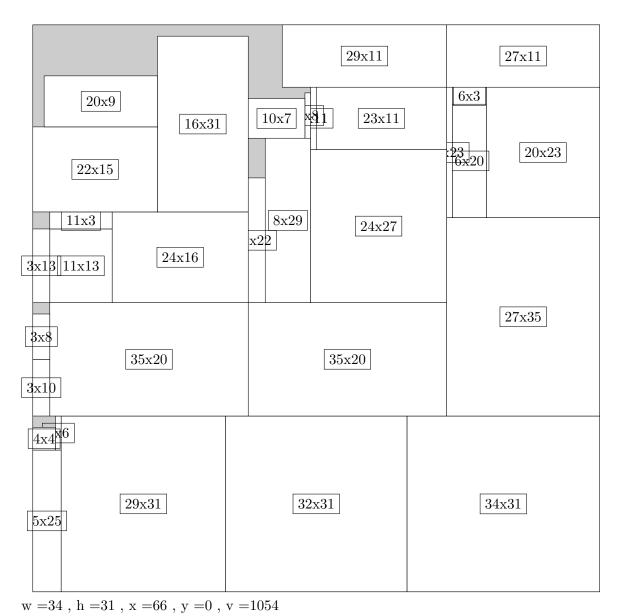
$$\le =13$$
 , $h=24$, $x=0$, $y=0$, $v=312$

$$\le =13$$
 , $h=19$, $x=0$, $y=24$, $v=247$

$$w = 9$$
, $h = 22$, $x = 4$, $y = 43$, $v = 198$

$$\mathbf{w}$$
 =4 , h =20 , x =0 , y =43 , v =80

$$w = 10$$
, $h = 35$, $x = 3$, $y = 65$, $v = 350$



$$\begin{array}{l} w = 32 \; , \; h = 31 \; , \; x = 34 \; , \; y = 0 \; , \; v = 992 \\ w = 29 \; , \; h = 31 \; , \; x = 5 \; , \; y = 0 \; , \; v = 899 \\ w = 5 \; , \; h = 25 \; , \; x = 0 \; , \; y = 0 \; , \; v = 125 \\ w = 1 \; , \; h = 6 \; , \; x = 4 \; , \; y = 25 \; , \; v = 6 \\ w = 4 \; , \; h = 4 \; , \; x = 0 \; , \; y = 25 \; , \; v = 16 \\ w = 27 \; , \; h = 35 \; , \; x = 73 \; , \; y = 31 \; , \; v = 945 \\ w = 20 \; , \; h = 23 \; , \; x = 80 \; , \; y = 66 \; , \; v = 460 \\ w = 6 \; , \; h = 20 \; , \; x = 74 \; , \; y = 66 \; , \; v = 120 \\ w = 6 \; , \; h = 3 \; , \; x = 74 \; , \; y = 86 \; , \; v = 18 \\ w = 1 \; , \; h = 23 \; , \; x = 73 \; , \; y = 66 \; , \; v = 23 \\ w = 27 \; , \; h = 11 \; , \; x = 73 \; , \; y = 89 \; , \; v = 297 \\ w = 35 \; , \; h = 20 \; , \; x = 38 \; , \; y = 31 \; , \; v = 700 \\ w = 24 \; , \; h = 27 \; , \; x = 49 \; , \; y = 51 \; , \; v = 648 \\ w = 23 \; , \; h = 11 \; , \; x = 50 \; , \; y = 78 \; , \; v = 253 \end{array}$$

w = 1, h = 11, x = 49, y = 78, v = 11

w =8 , h =29 , x =41 , y =51 , v =232

w = 3, h = 22, x = 38, y = 51, v = 66

 \mathbf{w} =1 , h =8 , x =48 , y =80 , v =8

 $\le =10$, h =7 , x =38 , y =80 , v =70

w = 29, h = 11, x = 44, y = 89, v = 319

w = 35, h = 20, x = 3, y = 31, v = 700

w = 3, h = 10, x = 0, y = 31, v = 30

 \mathbf{w} =3 , h =8 , x =0 , y =41 , v =24

w = 24, h = 16, x = 14, y = 51, v = 384

w = 11, h = 13, x = 3, y = 51, v = 143

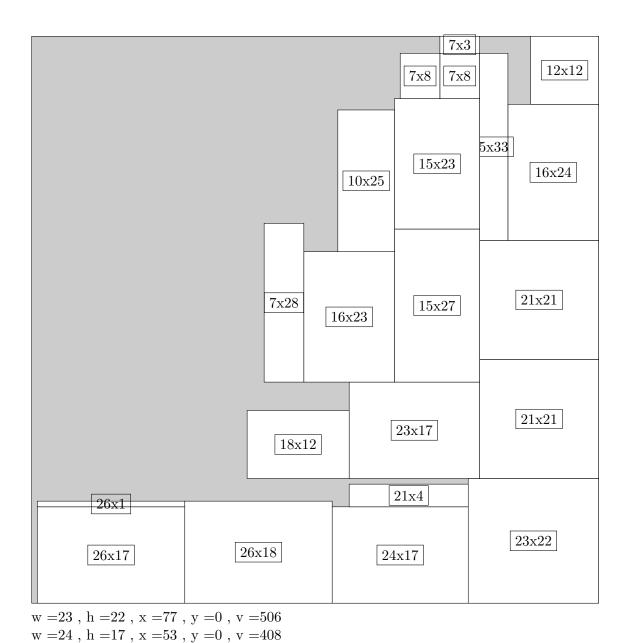
w = 11, h = 3, x = 3, y = 64, v = 33

w = 3, h = 13, x = 0, y = 51, v = 39

w = 16, h = 31, x = 22, y = 67, v = 496

 $\le =22$, h =15 , x =0 , y =67 , v =330

w =20 , h =9 , x =2 , y =82 , v =180



```
\begin{array}{l} w=21\ ,\ h=4\ ,\ x=56\ ,\ y=17\ ,\ v=84\\ w=26\ ,\ h=18\ ,\ x=27\ ,\ y=0\ ,\ v=468\\ w=26\ ,\ h=17\ ,\ x=1\  \, ,\ y=0\  \, ,\ v=442\\ w=26\  \, ,\ h=1\  \, ,\ x=1\  \, ,\ y=17\  \, ,\ v=26\\ w=21\  \, ,\ h=21\  \, ,\ x=79\  \, ,\ y=22\  \, ,\ v=441\\ w=21\  \, ,\ h=21\  \, ,\ x=79\  \, ,\ y=43\  \, ,\ v=441\\ w=16\  \, ,\ h=24\  \, ,\ x=84\  \, ,\ y=64\  \, ,\ v=384\\ w=12\  \, ,\ h=12\  \, ,\ x=88\  \, ,\ y=88\  \, ,\ v=144\\ w=5\  \, ,\ h=33\  \, ,\ x=79\  \, ,\ y=64\  \, ,\ v=165\\ w=23\  \, ,\ h=17\  \, ,\ x=56\  \, ,\ y=22\  \, ,\ v=391\\ w=18\  \, ,\ h=12\  \, ,\ x=38\  \, ,\ y=22\  \, ,\ v=216\\ w=15\  \, ,\ h=27\  \, ,\ x=64\  \, ,\ y=39\  \, ,\ v=405\\ \end{array}
```

w =15, h =23, x =64, y =66, v =345 w =7, h =8, x =72, y =89, v =56 $\begin{array}{l} w=7\ ,\, h=3\ ,\, x=72\ ,\, y=97\ ,\, v=21\\ w=7\ ,\, h=8\ ,\, x=65\ ,\, y=89\ ,\, v=56\\ w=16\ ,\, h=23\ ,\, x=48\ ,\, y=39\ ,\, v=368\\ w=10\ ,\, h=25\ ,\, x=54\ ,\, y=62\ ,\, v=250\\ w=7\ ,\, h=28\ ,\, x=41\ ,\, y=39\ ,\, v=196 \end{array}$