```
Script started on Mon Oct 28 03:38:20 2013
bash-3.2$ make glpk
glpsol --nomip --nointopt --exact -m zo_hw4_q2.mod
GLPSOL: GLPK LP/MIP Solver, v4.48
Parameter(s) specified in the command line:
 --nomip --nointopt --exact -m zo_hw4_q2.mod
Reading model section from zo_hw4_q2.mod...
zo_hw4_q2.mod:29: warning: final NL missing before end of file
29 lines were read
Generating z...
Generating c1...
Generating c2...
Generating c3...
Generating c4...
Generating c5...
Model has been successfully generated
glp_exact: 6 rows, 8 columns, 22 non-zeros
GNU MP bignum library is being used
      0:   infsum =                      1   (4)
      5:   infsum =                      0   (0)
*     5:   objval =                      7   (0)
*     6:   objval =                      6   (0)
OPTIMAL SOLUTION FOUND
Time used:   0.0 secs
Memory used: 0.1 Mb (90058 bytes)
Display statement at line 28
z.val = 6
x1.val = 0
x2.val = 1
x3.val = 0
x4.val = 0
x5.val = 1
x6.val = 1
x7.val = 1
x8.val = 0
Model has been successfully processed
glpsol -m zo_hw4_q2.mod
GLPSOL: GLPK LP/MIP Solver, v4.48
Parameter(s) specified in the command line:
 -m zo_hw4_q2.mod
Reading model section from zo_hw4_q2.mod...
zo_hw4_q2.mod:29: warning: final NL missing before end of file
29 lines were read
Generating z...
Generating c1...
Generating c2...
Generating c3...
Generating c4...
Generating c5...
Model has been successfully generated
GLPK Simplex Optimizer, v4.48
6 rows, 8 columns, 22 non-zeros
Preprocessing...
4 rows, 5 columns, 9 non-zeros
Scaling...
 A: min|aij| =  1.000e+00  max|aij| =  1.000e+00  ratio =  1.000e+00
```

```
Problem data seem to be well scaled
Constructing initial basis...
Size of triangular part = 4
*     0: obj =   6.000000000e+00  infeas =  0.000e+00 (0)
OPTIMAL SOLUTION FOUND
Time used:   0.0 secs
Memory used: 0.1 Mb (115820 bytes)
Display statement at line 28
z.val = 6
x1.val = 0
x2.val = 1
x3.val = 0
x4.val = 0
x5.val = 1
x6.val = 1
x7.val = 1
x8.val = 0
Model has been successfully processed
bash-3.2$ exit
exit

Script done on Mon Oct 28 03:38:31 2013
```