```
%3.5
A = [0 0 1 0 1 1;
     1 0 0 1 0 1;
     1 2 1 1 1 1;
     1 2 1 -1 -1 1;
     1 4 4 1 2 1;
     4 4 1 2 1 1];

 Y = [6; 6; 3; 7; 2; 6];

 result = A\Y


result =

    3.0000
   -2.0000
    1.0000
   -2.0000
    0.0000
    5.0000
```

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