## Problem 1

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|  |

将矩阵B的右下角3×2子矩阵输出。



### MATLAB Code

|  |  |
| --- | --- |
|  | |
| 1  2  3  4  5  6  7 | *%% problem 1*  B = [3       0      16;       17     -6      9;       0      23      -4       9      7       0       4      13      11];  A = B(end-2:end,end-1:end) |
|  | |

### Output

|  |  |
| --- | --- |
|  | |
|  | A =  23 -4  7 0  13 11 |
|  | |

## Problem 2

下面是一个线性方程组，（1）求解方程的解；（2）将方程右边向量元素b3改为0.53，再求解，并比较b3的变化和解的相对变化



### MATLAB Code

|  |  |
| --- | --- |
|  | |
| 1  2  3  4  5  6  7  8  9 | *%% problem 2*  *%% problem 2*  A = hilb(4);  A = A(1:3,2:4);  b = [0.95;0.67;0.52];  A\b  b(3) = 0.53;  A\b |
|  | |

### Output

|  |  |
| --- | --- |
|  | |
|  | ans =  1.2000  0.6000  0.6000  ans =  3.0000  -6.6000  6.6000 |
|  | |