
```
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% 1/25/2018
% EELE 201
% Script to determine the values of X1 through X4 for Part 1, and to
  determine
% VA and VB for Part 2.
```

```
clear;
clc;
```

```
A = [1,0,-10,5;7,2,3,4;0,-4,5,1;1,7,3,0];
B = [0;-5;5;100];
```

```
format long
IM = A\B
```

```
IM =
```

```
-19.318181818181820
 13.636363636363633
   7.954545454545457
 19.772727272727280
```

```
R1 = 1;
R2 = 2;
IS1 = 1;
IS2 = 2;
IS3 = 3;
```

```
W = [1/R1,0;-1/R2,1/R2];
Z = [(IS1 - IS2) + IS3;IS3];
```

```
WM = W\Z
```

```
WM =
```

```
2
8
```

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