## Code:

$$x1 - x4 == 160$$

$$>> eq2 = x1 - x2 == 240$$

$$x1 - x2 == 240$$

$$>> eq3 = x3-x2==600$$

$$x3 - x2 == 600$$

$$>> eq4 = x3-x2 == 520$$

Empty sym: 4-by-0

B =

$$x4 - x1 + 160$$

$$x2 - x1 + 240$$

$$x2 - x3 + 600$$

$$x2 - x3 + 520$$

>> [A,B] = equationsToMatrix([eq1,eq2,eq3,eq4],[x1,x2,x3,x4])

**A** =

B =

160

240

600

520

>> AB=[A,B]

AB =

[1, 0, 0, -1, 160]

```
[1, -1, 0, 0, 240]
```

alpha =

1

ans =

ans =

AB =

$$>> alp = A(3,2)/A(2,2)$$

1

AB =

$$>> alp=A(4,3)/A(3,3)$$

1

AB=

>> syms k

$$>> x4 = k$$

k

$$>> x2 = -AB(2,5)+x4$$

0

$$>> x2 = -AB(2,5)+x4$$