```
a1 = 5; a2 = 11; b1 = 17; b2 = 3; c1 = 11; c2 = 5;
```

## Solving

```
A = [a1 b1; a2 b2];
B = [c1; c2];
C = mod(A \setminus B, 7)
C = 2 \times 1
    0.3023
    0.5581
% Extract the Numerator
[N, D] = rat(C);
C = mod(N, 7)
C = 2 \times 1
     6
     3
syms k
x = 7*k + C(1)
x = 7k + 6
y = 7*k + C(2)
y = 7k + 3
logical(mod(a1*x + b1*y, 7) == mod(c1, 7))
ans = logical
logical(mod(a2*x + b2*y, 7) == mod(c2, 7))
ans = logical
   1
```