

MATLAB solve

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From: George (*georgekurian79_at_yahoo.com*)

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Hi

I need to solve a set of linear equations , for example

$$4*a+b=17 \text{ and } 19*a+b=3$$

I need to find the solution for a and b , the only issue being that I need all the operations ie the multiplication and addition operations to be under mod 26

I tried this out but it did not work

```
A=solve('(mod(mod(4*a,26)+b),26)=17','(mod(mod(19*a)+b)=3')  
??? Error using ==> solve  
'(mod(mod(4*a,26)+b),26)=17' is not a valid expression or equation.
```

I know the solution (under mod 26 operations) is a= 6 and b= 19

How do I implement mod operations on the solve ?

George