GATE 2018 SYLLABI

Unique, Infinite, Many, Consistent, Inconsistent Solutions ?

```
1) a_1x + b_1y = c_1
2) a_2x + b_2y = c_2
```

lf

$a_1/a_2 \neq b_1/b_2$

Than, its called unique solution.it means intercepting lines.Its also called consistent solution.

lf

$a_1/a_2 = b_1/b_2 \neq C_1/C_2$

Than its called no solution. It means parallel lines. Its also called inconsistent solution.

lf

$a_1/a_2 = b_1/b_2 = c_1/c_2$

Than, its called infinite many soluiton. It means coincident lines. Its also called consistent solution.

For example-

Related Posts:

- 2. Normal Forms
- 3. L-HOSPITAL RULE
- 4. Static Single Assignment
- 6. Birthday Attack