

Lab-2: Solving linear congruence of the form $ax = b(mod\ m)$.

1. Write a Python program to show that the linear congruence $6x \equiv 5(mod\ 15)$ has no solution.
2. Write a Python program to find the solution of the congruence $5x \equiv 3(mod\ 13)$.
3. Write a Python program to find the inverse of 5 mod 13.