class Main {

public static void main(String[] args) {

System.out.println("T");

System.out.println("TR");

System.out.println("TRI");

System.out.println("TRIA");

System.out.println("TRIAN");

System.out.println("TRIANG");

System.out.println("TRIANGL");

System.out.println("TRIANGLE");

System.out.println("");

System.out.println("SQUARE");

System.out.print("Q ");

System.out.println("R");

System.out.print("U ");

System.out.println("A");

System.out.print("A ");

System.out.println("Q");

System.out.print("R ");

System.out.println("Q");

System.out.println("ERAUQS");

}

}