import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.println("Enter the password: ");

System.out.println("Password should be a minimum of 8 characters in length.");

System.out.println("Password should contain at least one uppercase, one lowercase, one digit, and one special character.");

System.out.println("Special characters allowed: !@#$%^&\*()-\_=+[{]}\\|;:'\",<.>/?");

System.out.println("It should not contain white space.");

String password = scanner.nextLine();

int length = password.length();

boolean hasUpperCase = false;

boolean hasLowerCase = false;

boolean hasDigit = false;

boolean hasSpecialCharacter = false;

boolean hasWhiteSpace = false;

for (int i = 0; i < length; i++) {

char ch = password.charAt(i);

if (Character.isUpperCase(ch)) {

hasUpperCase = true;

} else if (Character.isLowerCase(ch)) {

hasLowerCase = true;

} else if (Character.isDigit(ch)) {

hasDigit = true;

} else if (isSpecialCharacter(ch)) {

hasSpecialCharacter = true;

} else if (Character.isWhitespace(ch)) {

hasWhiteSpace = true;

}

}

if (length >= 8 && hasUpperCase && hasLowerCase && hasDigit && hasSpecialCharacter && !hasWhiteSpace) {

System.out.println("1");

} else {

System.out.println("0");

}

}

public static boolean isSpecialCharacter(char ch) {

String specialCharacters = "!@#$%^&\*()-\_=+[{]}\\|;:'\",<.>/?";

return specialCharacters.indexOf(ch) != -1;

}

}