1. // C++ code
2. //
3. /\*
4. This program blinks pin 13 of the Arduino (the
5. built-in LED)
6. \*/
7. #define LedVm 13
8. #define LedAm 11
9. #define LedVd 9
10. #define LedVm2 7
11. #define LedAm2 4
12. #define LedVd2 2
13. #define ON HIGH
14. #define OFF LOW
15. int tempo\_Vm = 3000; //tempo vermelho
16. int tempo\_Am = 500; //tempo amarelo
17. int tempo\_Vd = 3000; //tempo verde
18. int tempo\_Vm2 =3000; //tempo vermelho 2
19. int tempo\_Am2 = 500; //tempo amarelo 2
20. int tempo\_Vd2 = 3000; //tempo verde 2
21. void setup()
22. {
23. pinMode(LedVm, OUTPUT);
24. pinMode(LedAm, OUTPUT);
25. pinMode(LedVd, OUTPUT);
26. pinMode(LedVm2, OUTPUT);
27. pinMode(LedAm2, OUTPUT);
28. pinMode(LedVd2, OUTPUT);
29. }
30. void loop()
31. {
32. //Acender Led Vermelho 1 Acender Led Verde 2
33. digitalWrite(LedVm, ON);
34. digitalWrite(LedAm, OFF);
35. digitalWrite(LedVd, OFF);
36. digitalWrite(LedVd2, ON);
37. delay(tempo\_Vm);
38. //Acender Led amarelo2 apagar Led verde 2
39. digitalWrite(LedAm2, ON);
40. digitalWrite(LedVd2, OFF);
41. delay(tempo\_Am2);
42. //Acender Led Verde 1 Acender Led Vermelho 2
43. digitalWrite(LedVm, OFF);
44. digitalWrite(LedAm, OFF);
45. digitalWrite(LedVd, ON);
46. digitalWrite(LedVm2, ON);
47. digitalWrite(LedAm2, OFF);
48. delay(tempo\_Vd);
49. //Acender Led Amarelo 1 e Apagar Led Verde 1
50. digitalWrite(LedAm, ON);
51. digitalWrite(LedVd, OFF);
52. delay(tempo\_Am2);
53. //Apagar Led Vermelho 2 para voltar o loop
54. digitalWrite(LedVm2, OFF);
55. }