```
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.  #defineLedVd           9
10. #define LedVm2         7
11. #defineLedAm2          4
12. #defineLedVd2          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. }
```