1. void setup() {
2. pinMode(A0, INPUT);
3. pinMode(A1, INPUT);
4. pinMode(8, OUTPUT);
5. pinMode(A1, INPUT);
6. pinMode(A5, OUTPUT);
7. }
8. void loop() {
9. int val1 = 0;
10. int val2 = 0;
11. int val3 = 0;
12. int val4 = 0;
13. int val5 = 0;
14. int val6 = 0;
15. int val7 = 0;
16. int val8 = 0;
17. int val9 = 0;
18. int val10 = 0;
19. int sumval = 0;
20. int impuls = 100; //длина импульса подобрать взависимости от частоты
21. int zaderjka = 0;
22. int basa = 0;
23. zaderjka = analogRead(A4);
24. pinMode(A0, OUTPUT);
25. digitalWrite(A0, LOW);
26. pinMode(A0, INPUT);
27. digitalWrite(8,HIGH);
28. delayMicroseconds(impuls);
29. digitalWrite(8, LOW);
30. delayMicroseconds(zaderjka);
31. val1 = analogRead(A0);
32. digitalWrite(8,HIGH);
33. delayMicroseconds(impuls);
34. digitalWrite(8, LOW);
35. delayMicroseconds(zaderjka);
36. val2 = analogRead(A0);
37. digitalWrite(8,HIGH);
38. delayMicroseconds(impuls);
39. digitalWrite(8, LOW);
40. delayMicroseconds(zaderjka);
41. val3 = analogRead(A0);
42. digitalWrite(8,HIGH);
43. delayMicroseconds(impuls);
44. digitalWrite(8, LOW);
45. delayMicroseconds(zaderjka);
46. val4 = analogRead(A0);
47. digitalWrite(8,HIGH);
48. delayMicroseconds(impuls);
49. digitalWrite(8, LOW);
50. delayMicroseconds(zaderjka);
51. val5 = analogRead(A0);
52. digitalWrite(8,HIGH);
53. delayMicroseconds(impuls);
54. digitalWrite(8, LOW);
55. delayMicroseconds(zaderjka);
56. val6 = analogRead(A0);
57. digitalWrite(8,HIGH);
58. delayMicroseconds(impuls);
59. digitalWrite(8, LOW);
60. delayMicroseconds(zaderjka);
61. val7 = analogRead(A0);
62. digitalWrite(8,HIGH);
63. delayMicroseconds(impuls);
64. digitalWrite(8, LOW);
65. delayMicroseconds(zaderjka);
66. val8 = analogRead(A0);
67. digitalWrite(8,HIGH);
68. delayMicroseconds(impuls);
69. digitalWrite(8, LOW);
70. delayMicroseconds(zaderjka);
71. val9 = analogRead(A0);
72. digitalWrite(8,HIGH);
73. delayMicroseconds(impuls);
74. digitalWrite(8, LOW);
75. delayMicroseconds(zaderjka);
76. val10 = analogRead(A0);
77. sumval = val1 + val2 + val3 + val4 + val5 + val6 + val7 + val8 + val9 + val10;
78. sumval = sumval/5;
79. basa = analogRead(A1);
80. if (sumval > basa)
81. {tone(A5,1000);
82. delay(50);
83. noTone(A5);
84. }
85. else {delay(50);
86. }
87. }