20171006Durchlauf08:  
Code v.1.19  
randomSeed(analogRead(0)); 🡪 must be called when battery already plugged in!  
tone-emission = 450ms

|  |  |
| --- | --- |
| **Setup A** | **Setup B** |
| respondFactor = 191  waitFactor = 114600  initial dB entry = 1500  Intensities: red = 0.00, green = 255.00, blue = 0.00  new median = 1923.10  ######### db fillup ########  Intensities: red = 0.00, green = 127.50, blue = 127.50  1500 | 1923 | 0 | 0 | 0 | 0 |  1 | 1 | 0 | 0 | 0 | 0 |  new median = 1538.48  ######## APPROVE #######  Intensities: red = 0.00, green = 170.00, blue = 85.00  1500 | 1923 | 0 | 0 | 0 | 0 |  2 | 1 | 0 | 0 | 0 | 0 |  new median = 1326.28  ######### db fillup ########  Intensities: red = 0.00, green = 191.25, blue = 63.75  1500 | 1923 | 1326 | 0 | 0 | 0 |  2 | 1 | 1 | 0 | 0 | 0 |  new median = 1068.39  ######### db fillup ########  Intensities: red = 0.00, green = 204.00, blue = 51.00  1500 | 1923 | 1326 | 1068 | 0 | 0 |  2 | 1 | 1 | 1 | 0 | 0 |  new median = 1039.51  ######## APPROVE #######  Intensities: red = 0.00, green = 212.50, blue = 42.50  1500 | 1923 | 1326 | 1068 | 0 | 0 |  2 | 1 | 1 | 2 | 0 | 0 |  new median = 961.55  ######### db fillup ########  Intensities: red = 36.43, green = 182.14, blue = 36.43  1500 | 1923 | 1326 | 1068 | 961 | 0 |  2 | 1 | 1 | 2 | 1 | 0 |  new median = 442.09  ######### db fillup ########  Intensities: red = 63.75, green = 159.38, blue = 31.87  1500 | 1923 | 1326 | 1068 | 961 | 442 |  2 | 1 | 1 | 2 | 1 | 1 |  new median = 63.47  incomingData out of range  new median = 1098.91  ######## APPROVE #######  Intensities: red = 56.67, green = 170.00, blue = 28.33  1500 | 1923 | 1326 | 1068 | 961 | 442 |  2 | 1 | 1 | 3 | 1 | 1 |  ..emitting most frequent tone = 1068 ..emitting most frequent tone = 1068  new median = 0.79  incomingData out of range  new median = 90.07  incomingData out of range  new median = 174.04  incomingData out of range  new median = 83.80  incomingData out of range  ..emitting most frequent tone = 1068 ..emitting most frequent tone = 1068  new median = 986.21  ######## APPROVE #######  Intensities: red = 76.50, green = 153.00, blue = 25.50  1500 | 1923 | 1326 | 1068 | 961 | 442 |  2 | 1 | 1 | 3 | 2 | 1 |  new median = 938.10  ######## APPROVE #######  Intensities: red = 92.73, green = 139.09, blue = 23.18  1500 | 1923 | 1326 | 1068 | 961 | 442 |  2 | 1 | 1 | 3 | 3 | 1 |  new median = 1602.58  ######### db fillup ########  ----------------end of database reached.----------------  1923 dropped, 1602 added  442 | 961 | 1068 | 1326 | 1500 | 1602 |  1 | 3 | 3 | 1 | 2 | 1 |  961 - 442 > 1068 - 961, difference/wait = 20437  closest sound = 1068  ######## REJECT ########  waiting time: 20437  Intensities: red = 92.73, green = 139.09, blue = 23.18  442 | 961 | 1068 | 1326 | 1500 | 1602 |  1 | 3 | 3 | 1 | 2 | 1 |  new median = 356.13  442 dropped, 356 added  356 | 961 | 1068 | 1326 | 1500 | 1602 |  1 | 3 | 3 | 1 | 2 | 1 |  entry at 0, wait = 50019  closest sound = 961  ######## REJECT ########  waiting time: 50019  Intensities: red = 92.73, green = 139.09, blue = 23.18  356 | 961 | 1068 | 1326 | 1500 | 1602 |  1 | 3 | 3 | 1 | 2 | 1 |  new median = 961.55  ######## APPROVE #######  Intensities: red = 106.25, green = 127.50, blue = 21.25  356 | 961 | 1068 | 1326 | 1500 | 1602 |  1 | 4 | 3 | 1 | 2 | 1 |  new median = 13.78  incomingData out of range  new median = 224.92  incomingData out of range  new median = 200.32  incomingData out of range  new median = 162.97  incomingData out of range  new median = 224.92  incomingData out of range  new median = 418.07  356 dropped, 418 added  418 | 961 | 1068 | 1326 | 1500 | 1602 |  1 | 4 | 3 | 1 | 2 | 1 |  entry at 0, wait = 38177  closest sound = 961  ######## REJECT ########  waiting time: 38177  Intensities: red = 106.25, green = 127.50, blue = 21.25  418 | 961 | 1068 | 1326 | 1500 | 1602 |  1 | 4 | 3 | 1 | 2 | 1 |  new median = 1012.16  418 dropped, 1012 added  961 | 1012 | 1068 | 1326 | 1500 | 1602 |  4 | 1 | 3 | 1 | 2 | 1 |  entry at 0, wait = 9741  closest sound = 1012  ######## REJECT ########  waiting time: 9741  Intensities: red = 106.25, green = 127.50, blue = 21.25  961 | 1012 | 1068 | 1326 | 1500 | 1602 |  4 | 1 | 3 | 1 | 2 | 1 |  new median = 986.21  ######## APPROVE #######  Intensities: red = 117.69, green = 117.69, blue = 19.62  961 | 1012 | 1068 | 1326 | 1500 | 1602 |  5 | 1 | 3 | 1 | 2 | 1 | | respondFactor = 189  waitFactor = 113400  initial dB entry = 980  Intensities: red = 255.00, green = 0.00, blue = 0.00  new median = 1538.48  ######### db fillup ########  Intensities: red = 127.50, green = 127.50, blue = 0.00  980 | 1538 | 0 | 0 | 0 | 0 |  1 | 1 | 0 | 0 | 0 | 0 |  new median = 1479.31  ######### db fillup ########  Intensities: red = 85.00, green = 170.00, blue = 0.00  980 | 1538 | 1479 | 0 | 0 | 0 |  1 | 1 | 1 | 0 | 0 | 0 |  new median = 1326.28  ######### db fillup ########  Intensities: red = 63.75, green = 191.25, blue = 0.00  980 | 1538 | 1479 | 1326 | 0 | 0 |  1 | 1 | 1 | 1 | 0 | 0 |  new median = 1068.39  ######### db fillup ########  Intensities: red = 51.00, green = 204.00, blue = 0.00  980 | 1538 | 1479 | 1326 | 1068 | 0 |  1 | 1 | 1 | 1 | 1 | 0 |  new median = 1068.39  ######## APPROVE #######  Intensities: red = 42.50, green = 212.50, blue = 0.00  980 | 1538 | 1479 | 1326 | 1068 | 0 |  1 | 1 | 1 | 1 | 2 | 0 |  new median = 512.83  ######### db fillup ########  Intensities: red = 72.86, green = 182.14, blue = 0.00  980 | 1538 | 1479 | 1326 | 1068 | 512 |  1 | 1 | 1 | 1 | 2 | 1 |  new median = 452.49  ######### db fillup ########  ----------------end of database reached.----------------  980 dropped, 452 added  452 | 512 | 1068 | 1326 | 1479 | 1538 |  1 | 1 | 2 | 1 | 1 | 1 |  entry at 0, wait = 11340  closest sound = 512  ######## REJECT ########  waiting time: 11340  Intensities: red = 72.86, green = 182.14, blue = 0.00  452 | 512 | 1068 | 1326 | 1479 | 1538 |  1 | 1 | 2 | 1 | 1 | 1 |  new median = 110.21  incomingData out of range  new median = 0.70  incomingData out of range  ..emitting most frequent tone = 1068 ..emitting most frequent tone = 1068 ..emitting most frequent tone = 1068  new median = 99.90  incomingData out of range  new median = 99.90  incomingData out of range  new median = 986.21  452 dropped, 986 added  512 | 986 | 1068 | 1326 | 1479 | 1538 |  1 | 1 | 2 | 1 | 1 | 1 |  entry at 0, wait = 24050  closest sound = 986  ######## REJECT ########  waiting time: 24050  Intensities: red = 72.86, green = 182.14, blue = 0.00  512 | 986 | 1068 | 1326 | 1479 | 1538 |  1 | 1 | 2 | 1 | 1 | 1 |  new median = 165.07  incomingData out of range  new median = 961.55  ######## APPROVE #######  Intensities: red = 95.62, green = 159.38, blue = 0.00  512 | 986 | 1068 | 1326 | 1479 | 1538 |  1 | 2 | 2 | 1 | 1 | 1 |  new median = 1602.58  512 dropped, 1602 added  986 | 1068 | 1326 | 1479 | 1538 | 1602 |  2 | 2 | 1 | 1 | 1 | 1 |  entry at 0, wait = 15498  closest sound = 1068  ######## REJECT ########  waiting time: 15498  Intensities: red = 95.62, green = 159.38, blue = 0.00  986 | 1068 | 1326 | 1479 | 1538 | 1602 |  2 | 2 | 1 | 1 | 1 | 1 |  new median = 1068.39  ######## APPROVE #######  Intensities: red = 85.00, green = 170.00, blue = 0.00  986 | 1068 | 1326 | 1479 | 1538 | 1602 |  2 | 3 | 1 | 1 | 1 | 1 |  new median = 0.63  incomingData out of range  new median = 1131.24  1326 dropped, 1131 added  986 | 1068 | 1131 | 1479 | 1538 | 1602 |  2 | 3 | 1 | 1 | 1 | 1 |  1131 - 1068 < 1479 - 1131, difference/wait = 11907  closest sound = 1068  ######## REJECT ########  waiting time: 11907  Intensities: red = 85.00, green = 170.00, blue = 0.00  986 | 1068 | 1131 | 1479 | 1538 | 1602 |  2 | 3 | 1 | 1 | 1 | 1 |  new median = 961.55  ######## APPROVE #######  Intensities: red = 102.00, green = 153.00, blue = 0.00  986 | 1068 | 1131 | 1479 | 1538 | 1602 |  3 | 3 | 1 | 1 | 1 | 1 |  new median = 457.88  1131 dropped, 457 added  457 | 986 | 1068 | 1479 | 1538 | 1602 |  1 | 3 | 3 | 1 | 1 | 1 |  1068 - 986 < 1479 - 1068, difference/wait = 15498  closest sound = 986  ######## REJECT ########  waiting time: 15498  Intensities: red = 102.00, green = 153.00, blue = 0.00  457 | 986 | 1068 | 1479 | 1538 | 1602 |  1 | 3 | 3 | 1 | 1 | 1 |  new median = 457.88  ######## APPROVE #######  Intensities: red = 115.91, green = 139.09, blue = 0.00  457 | 986 | 1068 | 1479 | 1538 | 1602 |  2 | 3 | 3 | 1 | 1 | 1 |  new median = 457.88  ######## APPROVE #######  Intensities: red = 127.50, green = 127.50, blue = 0.00  457 | 986 | 1068 | 1479 | 1538 | 1602 |  3 | 3 | 3 | 1 | 1 | 1 |  new median = 1.10  incomingData out of range  ..emitting most frequent tone = 457 ..emitting most frequent tone = 457 ..emitting most frequent tone = 457  new median = 6.60  incomingData out of range  new median = 5494.57  incomingData out of range  new median = 5494.57  incomingData out of range  new median = 1.28  incomingData out of range  new median = 1.28  incomingData out of range |