```cpp
#ifndef _CRC_H
#define _CRC_H

#include <string>

const unsigned char crcTable[] = {
      0,  94, 188, 226,  97,  63, 221, 131, 194, 156, 126,  32, 163, 253,  31, 65,
    157, 195,  33, 127, 252, 162,  64,  30,  95,   1, 227, 189,  62,  96, 130,220,
     35, 125, 159, 193,  66,  28, 254, 160, 225, 191,  93,   3, 128, 222,  60, 98,
    190, 224,   2,  92, 223, 129,  99,  61, 124,  34, 192, 158,  29,  67, 161,255,
     70,  24, 250, 164,  39, 121, 155, 197, 132, 218,  56, 102, 229, 187,  89,  7,
    219, 133, 103,  57, 186, 228,   6,  88,  25,  71, 165, 251, 120,  38, 196,154,
    101,  59, 217, 135,   4,  90, 184, 230, 167, 249,  27,  69, 198, 152, 122, 36,
    248, 166,  68,  26, 153, 199,  37, 123,  58, 100, 134, 216,  91,   5, 231,185,
    140, 210,  48, 110, 237, 179,  81,  15,  78,  16, 242, 172,  47, 113, 147,205,
     17,  79, 173, 243, 112,  46, 204, 146, 211, 141, 111,  49, 178, 236,  14, 80,
    175, 241,  19,  77, 206, 144, 114,  44, 109,  51, 209, 143,  12,  82, 176,238,
     50, 108, 142, 208,  83,  13, 239, 177, 240, 174,  76,  18, 145, 207,  45,115,
    202, 148, 118,  40, 171, 245,  23,  73,   8,  86, 180, 234, 105,  55, 213,139,
     87,   9, 235, 181,  54, 104, 138, 212, 149, 203,  41, 119, 244, 170,  72, 22,
    233, 183,  85,  11, 136, 214,  52, 106,  43, 117, 151, 201,  74,  20, 246,168,
    116,  42, 200, 150,  21,  75, 169, 247, 182, 232,  10,  84, 215, 137, 107, 53,
};


class CRC {
public:
    static unsigned char calc(std::string in);
};

#endif
```