```
char* init_buf = 0x804e220;
                                int* buf = ebp - 0x98;
                                buf[0] = *(int*)(init_buf);
                                buf[1] = *(int*)(init_buf + 0x4);
                                buf[2] = *(int*)(init_buf + 0x8);
                                 (char*)(buf)[0xc] = init_buf[0xc];
                         int idx = 0;
                                           // & idx = ebp - 0x4
                         char str[0x80]; // str = ebp - 0x84 (input key)
                         int v1;
                                           // v1 = ebp - 0x88
                         char* str1 = buf; // str1 = ebp - 0x98
                                    // &v2 = ebp - 0x9c
                         int v2;
                                          str[idx] != 0?
                                                        false
    (str[idx] >= 'a') && (str[idx] <= 'z')?
                                                        idx = 0;
                         true
       v1 = &str[idx];
false
                                                        str1[idx] != 0?
       *((char*)v1) = str[idx] - 'a' + 'A';
                                        v1 = str[idx];
                      ++idx;
                                        v1 = 0xc0de * v1;
                                        v2 = v1;
                                        v2 == str1[idx]?
                                                                        false
                                                false
                                                        true
                                          idx != 0xc?
                                                           ++idx;
                                                false
                                              YES!
                                                             Nope.
```