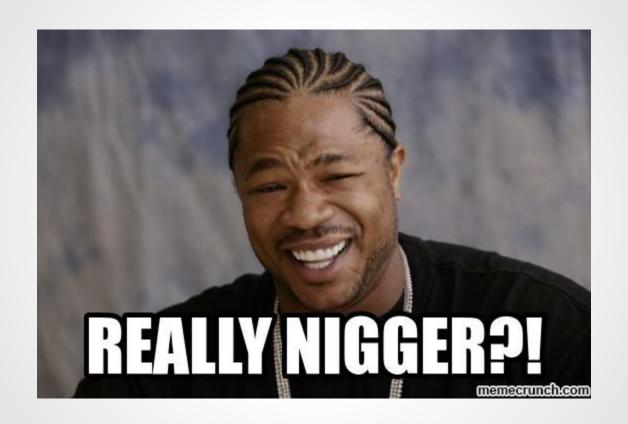
???

Gabriel Laskar <gabriel@lse.epita.fr>



```
int lets_segv()
{
    char *ptr = (char *)0;
    printf("%c\n", *ptr);
    return 0;
}
int main()
{
    try {
        lets_segv();
    } catch (const std::exception &e) {
        printf("[!] exception : segv!\n");
    return 0;
```







```
template <int SigNum>
struct SigExcept {
     static void install() {
           struct sigaction sig;
           sig.sa_sigaction = SigExcept<SigNum>::handler;
           sig.sa_flags = SA_SIGINFO | SA_ONSTACK;
           sigaction(SigNum, &sig, NULL);
     }
     static void handler(int, siginfo_t *, void *ptr) {
           ucontext_t *ctx = (ucontext_t *)ptr;
           ctx->uc_mcontext.gregs[REG_RSP] += 8;
           *(greg_t *)ctx->uc_mcontext.gregs[REG_RSP] =
                ctx->uc_mcontext.gregs[REG_RIP];
           ctx->uc_mcontext.gregs[REG_RIP] =
                (greg_t)SigExcept<SigNum>::throw_exception;
     static void throw_exception() {
           throw signal_exception<SigNum>();
};
```