

Ex3

```
unsigned strlen(const char *str) return (*str) ? 1+strlen(str+1) : 0;
int main() unsigned x; x = strlen("Tak"); return 0;
nop ldi d,0 jmp main
strlen: // [retAddr] str retAddr: 0 str: 1 ldi c,str add c,d ld c,(c) // c == str ld b,(c) // b == (c) == (str) and b,b ldi
a,0 // let's assume it is an empty str jzi strlen,sNull//isnotnullinc//a == str + 1decst(d),c//pushstr + 1decldia,.5 +
st(d),a//pushretaddrjmpistrlenincd//a == strlen(str + 1)incastrlen,sNull : ldb,(d)incdnmpb
it_s tr1:byte84byte97byte107byte0main://[x]dec dx:0decldia,it_s tr1st(d),a//push" Tak"decldia,.5+st(d),a//pushretaddrjmpistrlenincdnldib,xaddb,dst(b),a//x=strlen(" Ta
it_s tr1:byte84byte97byte107byte0main://[x]dec dx:0decldia,it_s tr1st(d),a//push" Tak"decldia,.5+st(d),a//pushretaddrjmpistrlenincdnldib,xaddb,dst(b),a//x=strlen(" Ta
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