

# Ex3

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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,0 // is not null in cc // a == str + 1 dec dst(d),c // push str + 1 dec dst(d),c // push
ret addr jmp strlen,0 // a == strlen(str + 1) in cc // a == strlen(str + 1) in cc // a == strlen(str + 1) in cc // a == strlen(str + 1) in cc
it_s tr1: byte 84 byte 97 byte 107 byte 0 main: // [x] dec dst(d),c // push "Tak" dec dst(d),c // push ret addr jmp strlen,0 // a == strlen(str + 1) in cc // a == strlen(str + 1) in cc // a == strlen(str + 1) in cc // a == strlen(str + 1) in cc

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