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# SOLUTION 2016-06-15
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```
fill_io_gate IO_TIPO_CEREAD a_cedmaread
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```
# cedmaread(natl id, char * buf, natl quanti)
```

```
# id -> %rdi
```

```
# &buf -> %rsi
```

```
# quanti -> %rdx
```

```
.EXTERN c_cedmaread
```

```
a_cedmaread:
```

```
    cavallo_di_troia %rsi
```

```
    # check the buffer starting address
```

```
    movl %edx, %edx
```

```
    # zero out %rdx upper 32 bits
```

```
    cavallo_di_troia2 %rsi %rdx
```

```
    # check the entire buffer
```

```
    call c_cedmaread
```

```
    # call C++ primitive implementation
```

```
    iretq
```

```
    # return from interrupt
```

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