

EXTENSION 2017-02-24

carica_gate TIPO_CRES a_countres LIV_UTENTE

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// primitive per il livello I/O

carica_gate	TIPO_APE	a_activate_pe	LIV_SISTEMA
carica_gate	TIPO_WFI	a_wfi	LIV_SISTEMA
carica_gate	TIPO_FG	a_fill_gate	LIV_SISTEMA
carica_gate	TIPO_P	a_panic	LIV_SISTEMA
carica_gate	TIPO_AB	a_abort_p	LIV_SISTEMA
carica_gate	TIPO_TRA	a_trasforma	LIV_SISTEMA

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carica_gate	TIPO_NONRES	a_nonresident	LIV_SISTEMA
carica_gate	TIPO_RES	a_resident	LIV_SISTEMA

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#-----
.EXTERN c_countres # natq countres();
#-----

a_countres:

```
.cfi_startproc
.cfi_def_cfa_offset 40
.cfi_offset rip, -40
.cfi_offset rsp, -16
call c_countres # call C++ implementation
iretq # return from interrupt
.cfi_endproc
```

#-----
.EXTERN c_nonresident # void nonresident(natl id);
#-----

a_nonresident:

```
.cfi_startproc
.cfi_def_cfa_offset 40
.cfi_offset rip, -40
.cfi_offset rsp, -16
call salva_stato # save current process state
call c_nonresident # call C++ implementation
call carica_stato # load new process state
iretq # return from interrupt
.cfi_endproc
```

#-----
.extern c_resident # natl resident(addr base, natq size);
#-----

a_resident:

```
.cfi_startproc
.cfi_def_cfa_offset 40
.cfi_offset rip, -40
.cfi_offset rsp, -16
call salva_stato # save current process state
cavallo_di_troia %rdi # check addressed pages base
cavallo_di_troia2 %rdi %rsi # check addressed pages length
call c_resident # call C++ implementation
call carica_stato # load new process state
iretq # return from interrupt
.cfi_endproc
```

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