

### Traccia:

Dato il seguente codice assembly, provare a ricostruire le istruzioni originali in C.

```
void foo() {  
    int ebp_save = ebp;  
    ebp = esp;  
    esp -= 8;  
    bar();  
    esp = ebp;  
    ebp = ebp_save;  
    return;  
}
```

```
void baz_and_quux() {  
    int ebp_save = ebp;  
    ebp = esp;  
    esp -= 8;  
    baz();  
    quux();  
    esp = ebp;  
    ebp = ebp_save;  
    return;  
}
```

```
void bar() {  
    int ebp_save = ebp;  
    ebp = esp;  
    int eax = 0;  
    *(int *)eax = 1;  
    ebp = ebp_save;  
    return;  
}
```

```
}
```

```
void foo() {
```

```
    int ebp_save = ebp;
```

```
    ebp = esp;
```

```
    esp &= 0xffffffff0;
```

```
    foo();
```

```
    eax = 0;
```

```
    esp = ebp;
```

```
    ebp = ebp_save;
```

```
    return;
```

```
}
```