


```
_Unwind_Reason_Code (*__gxx_personality_v0)  
    (int version,  
     _Unwind_Action actions,  
     uint64_t exceptionClass,  
     struct _Unwind_Exception *exceptionObject,  
     struct _Unwind_Context *context);
```



JANUARY



Unwinding-Phase2





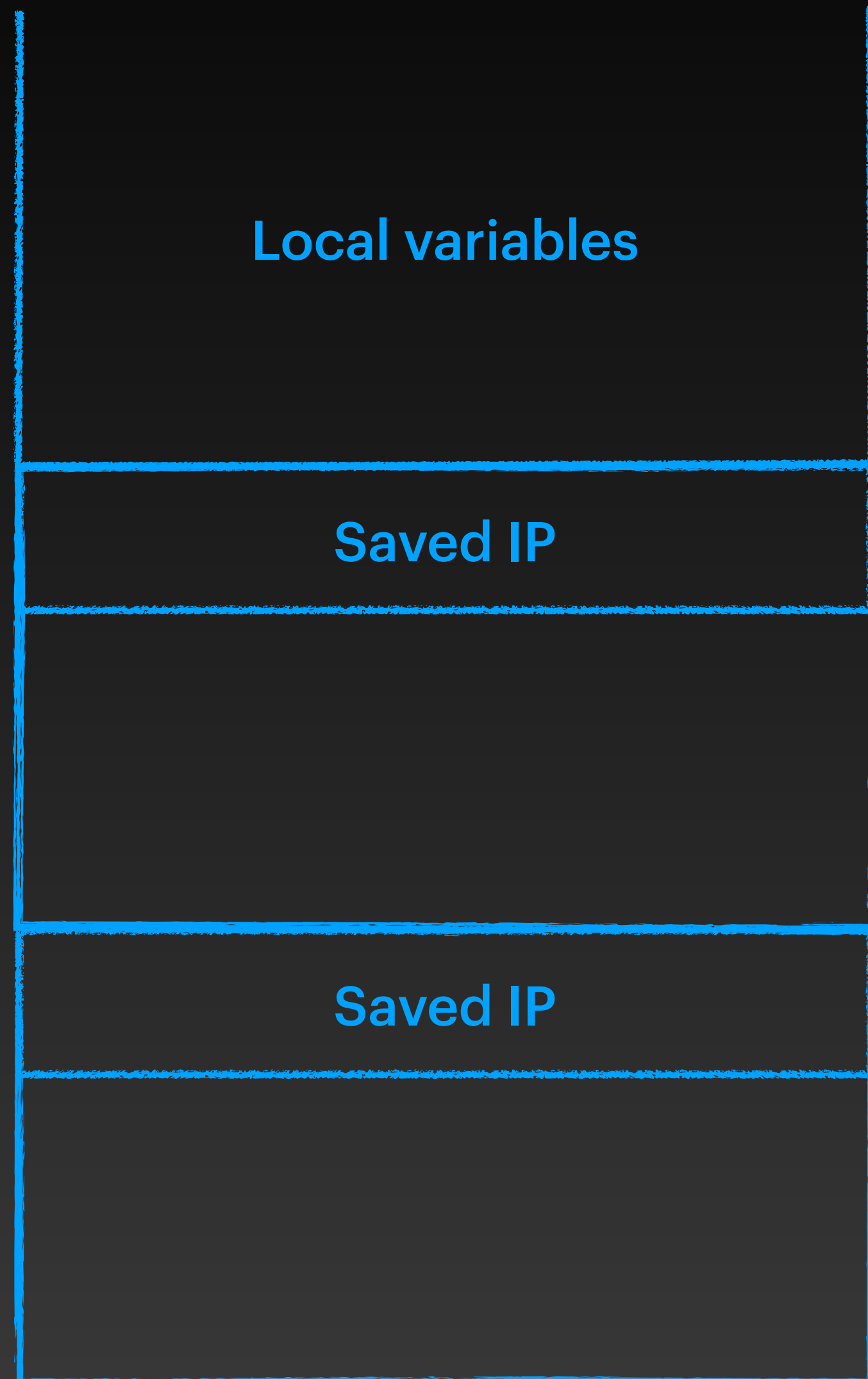
Local variables



Saved IP

Saved IP

Unwinding - Phase2



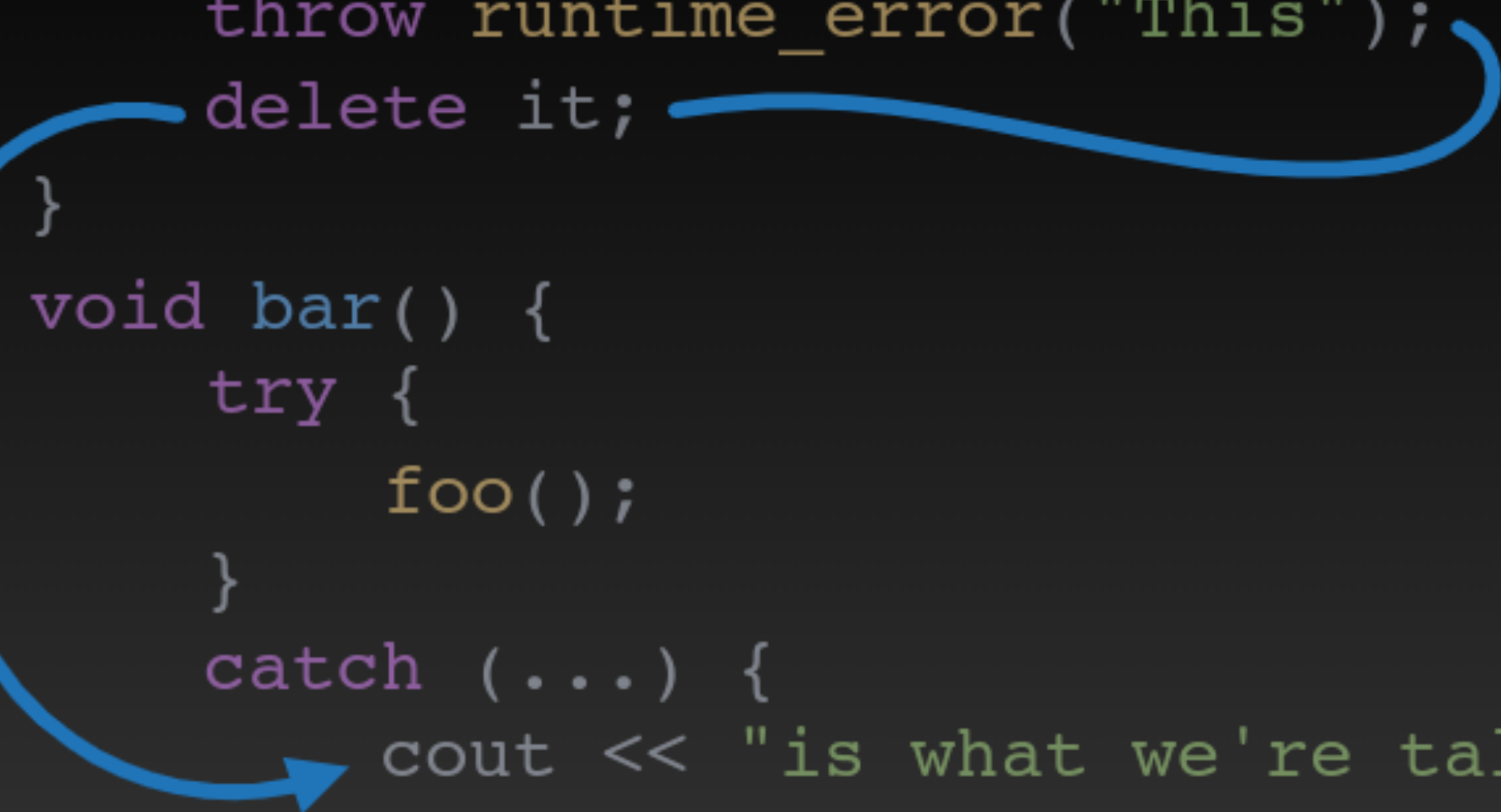
```
_Unwind_Reason_Code (*__gxx_personality_v0)
(int version,
 _Unwind_Action actions,
 uint64 exceptionClass,
 struct _Unwind_Exception *exceptionObject,
 struct _Unwind_Context *context);
```

`_UA_CLEANUP_PHASE`

- Start again from bottom
- Restore callee-saved registers
- Call cleanup handlers

Cleanup Handlers

```
void foo() {  
    Something *it = new Something();  
    throw runtime_error("This");  
    delete it;  
}  
void bar() {  
    try {  
        foo();  
    }  
    catch (...) {  
        cout << "is what we're talking about!"  
              << endl;  
    }  
}
```

A blue curved arrow originates from the line 'throw runtime_error("This");' in the foo() function and points to the 'catch (...) {' block in the bar() function, illustrating the path of exception unwinding and cleanup handler execution.

- Release used memory resources
- Continue Execution via _Unwind_Resume