

Verifying Non-blocking Data Structures with Manual Memory Management

Sebastian Wolff

Non-blocking Queue (Michael&Scott)

```
void dequeue() {  
    while (true) {  
        head = Head;  
        next = head->next;  
        // ...  
        if (CAS(Head, head, next)) {  
            // leak head?  
            return;  
        }  
    }  
}
```

