```cpp
#include <iostream>
using namespace std;

int main(void) {
    int arr[10] = {9, 6, 3, 8, 5, 2, 7, 4, 1, 0};
    int n = 10;

    for(int i = 0; i < n; i++) {
        for(int j = 0; j < n-i-1; j++) {
            if(arr[j] > arr[j+1]) {
                swap(arr[j], arr[j+1]);
            }
        }
    }
}
```

Figure 1: Bubble Sort in C++

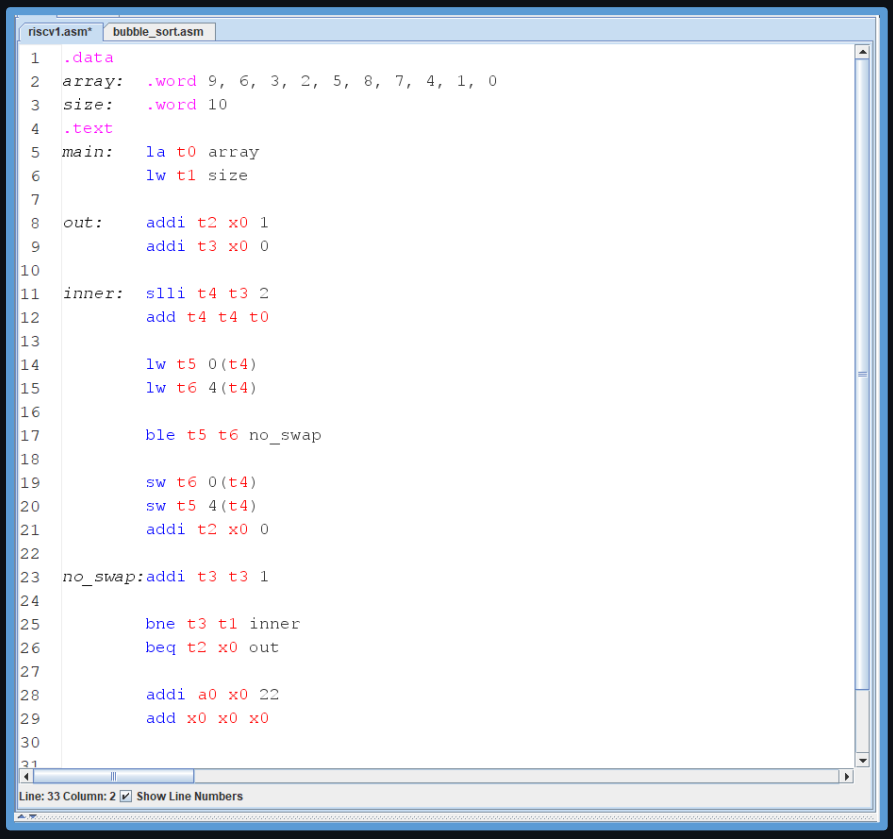

Figure 2: Bubble Sort in RISC-V

Figure 3: Expected Result

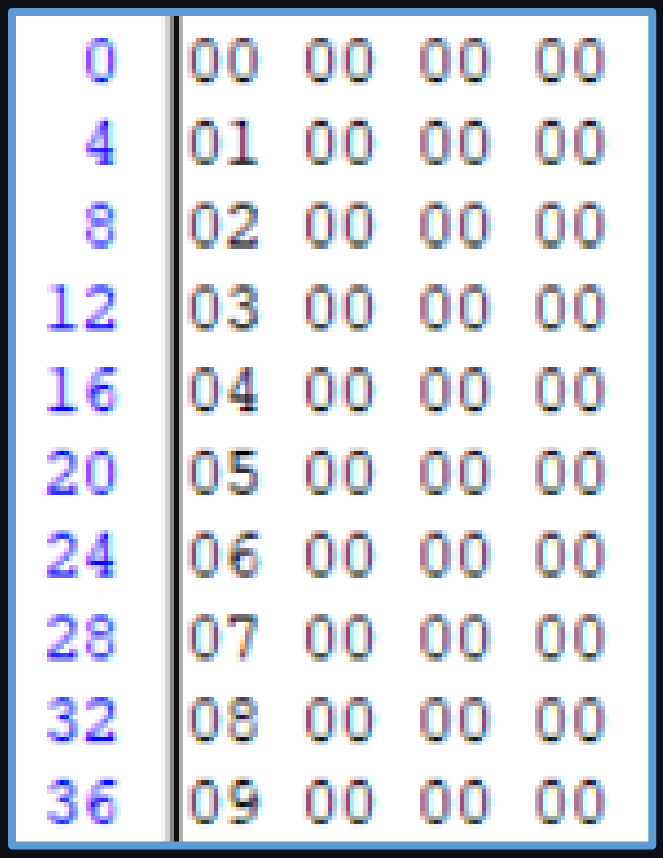

Figure 4: Actual Result

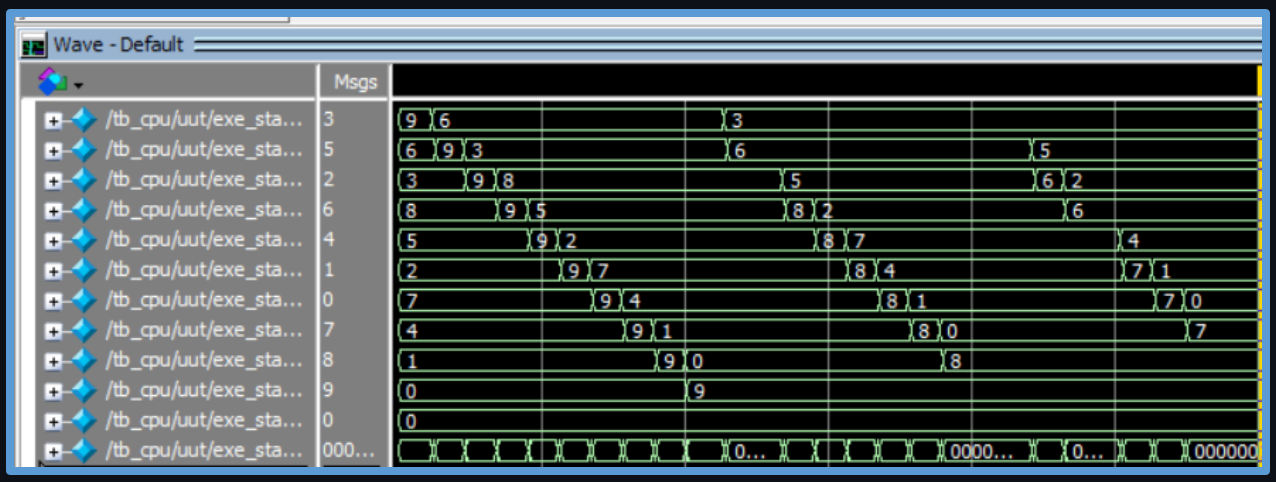

Figure 5: Data Memory [0ns, 3ns]

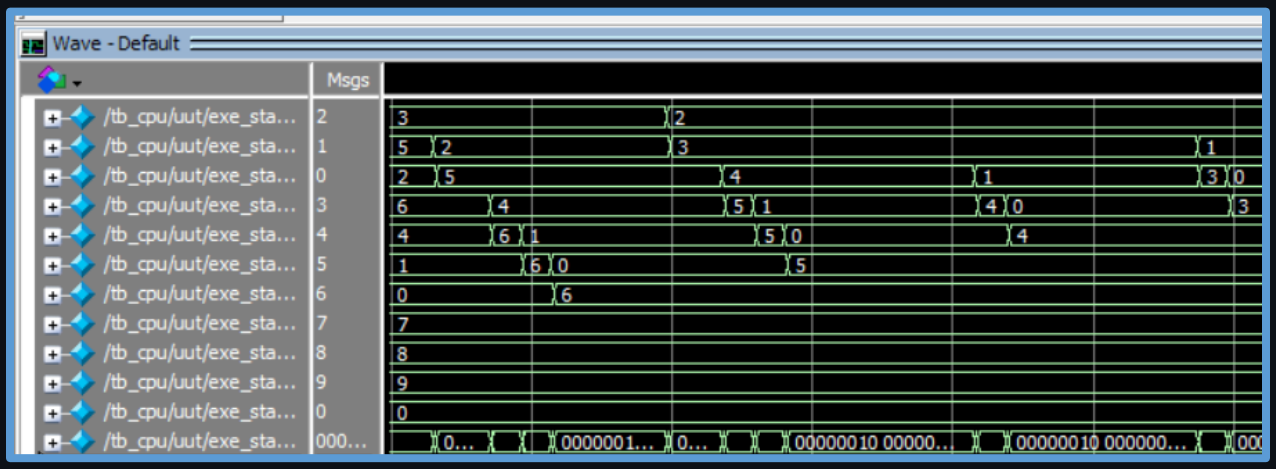

Figure 6: Data Memory [3ns, 6ns]

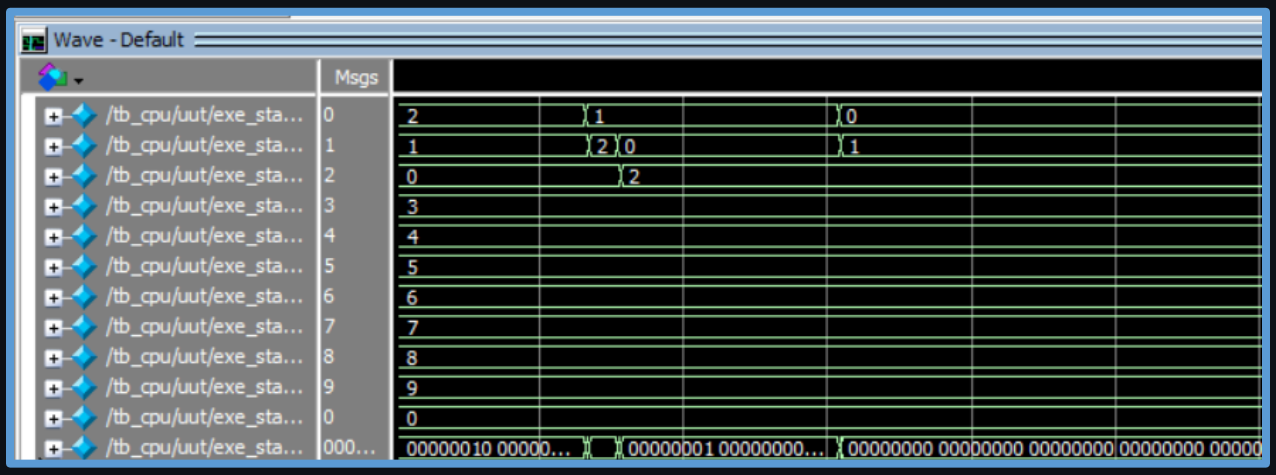

Figure 7: Data Memory [6ns, 9ns]