



### AutoBench™ Version 1.1

### Benchmark Name: Pointer Chasing

**Benchmark Description**

This EEMBC benchmark simulates an embedded automotive/industrial application which performs a lot of pointer manipulation.

The kernel employs a doubly linked list then searches the list for entries which match an input token. A large set of input tokens is used to exercise the entire list. The number of steps taken to find each input token is recorded.

**Optimization Rules**

Category	Allowed	Disallowed
ANSI C	X	
Intrinsics/Language Extensions	X	
Custom Libraries	X	
Assembly Language	X	
HW Accelerators	X	

**Algorithm Flowchart**

