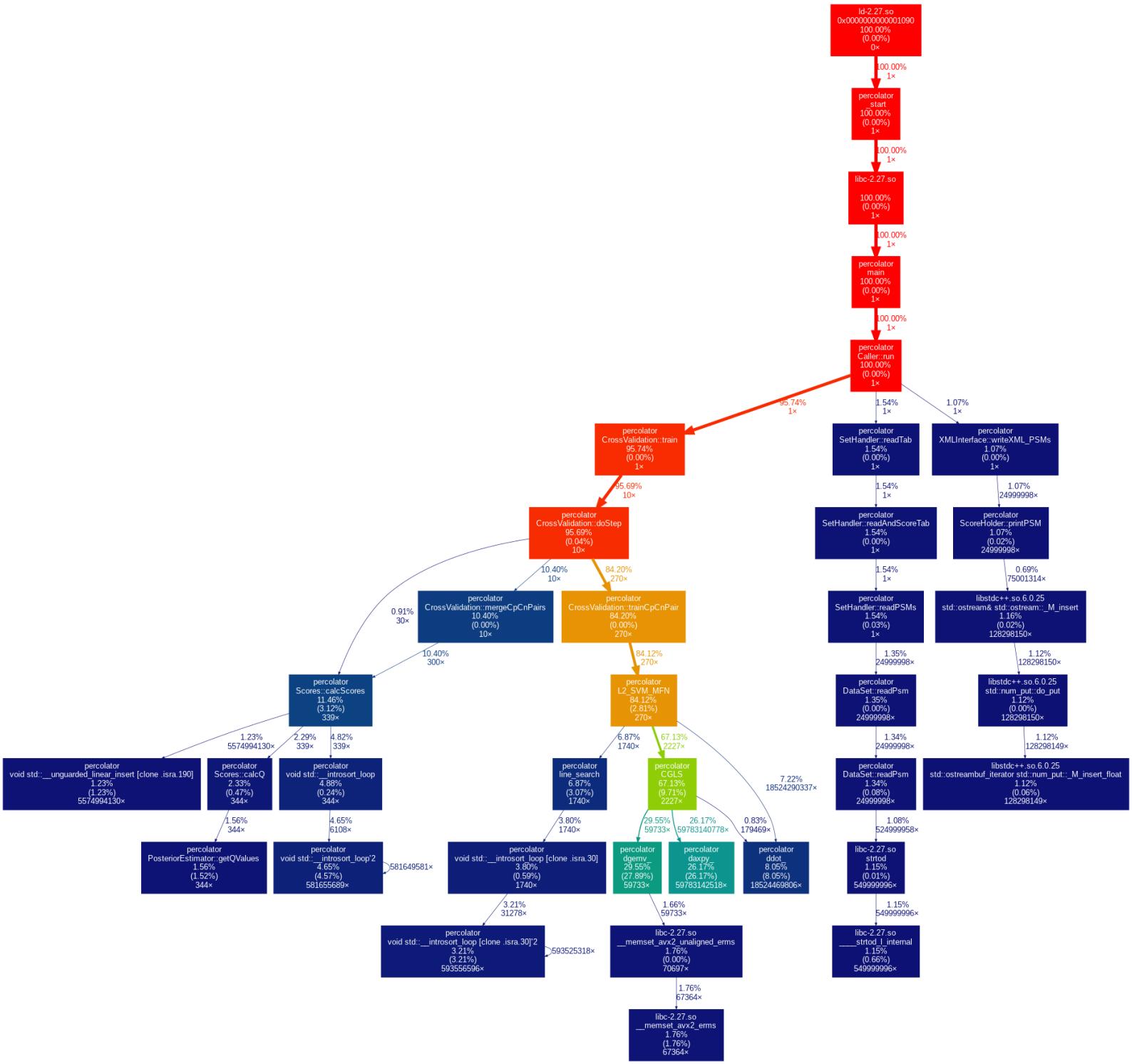
Result of running Percolator without parallelization. The graph below shows the number of instructions called by different functions in terms of percentage. At most 11% of the instructions were called from “calcScores” which is what Quick-LOHify (Q-LOH) is optimizing. These images represents running the original Percolator version without Q-LOH.



The graph below shows what sub-functions are called from calcScores. By looking directly in the source code we can see that calcScore calls calcQ and std::sort.