#pragma once

#ifdef \_\_cplusplus

#include <twml/optim.h>

namespace twml {

template<typename Tx>

static int64\_t linear\_search(const Tx \*xsData, const Tx val, const int64\_t mainSize) {

int64\_t left = 0;

int64\_t right = mainSize-1;

while(left <= right && val > xsData[left])

left++;

return left;

}

} // namespace twml

#endif