```cpp
/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference"
 * by Nicolai M. Josuttis, Addison-Wesley, 1999
 *
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 */
#include <algorithm>
using namespace std;

/* function that compares two pointers by comparing the values to which they
point
 */
bool int_ptr_less (int* a, int* b)
{
    return *a < *b;
}

int main()
{
    int x = 17;
    int y = 42;
    int* px = &x;
    int* py = &y;
    int* pmax;

    // call max() with special comparison function
    pmax = max (px, py, int_ptr_less);
    //...
}
```