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Thread: [with calling recursive/iterative function that findsminValue of type Int](#)

gang7 - May 7, 2016, 7:17 pm

Hello,

I've currently got an assignment utilizing the m68000 processor. The objective of the assignment is to call a recursive function that finds the minimum value and sort it using one of two methods.

The basic idea is that the minimum value is either the first element of the list, or it is the minimum value from the rest of list. You should correctly implement the above pseudocode in your findmin.s file.

Here is the high level abstraction I am using for pseudocode:

Code int findmin(int* vals, int count)

```
{
    if(count == 1)
    {
        return vals[0];
    }
    else
    {
        int minrest = findmin(vals+1,count-1);
        if (minrest < vals[0])
        {
            return minrest
        }
        else
        {
            return vals[0]
        }
    }
}
```

Here is my current code, as you can see I've just started and I've currently got an error:

Code start: initIO * Initialize (required for I/O)

 setEVT * Error handling routines

* initF * For floating point macros only

*move hardcoded values into d0 and d1

move.l #0,D0

move.l #1,D1

cmp.l D0,D1

bgt less

lineout greater

less:

lineout less

break

* Terminate execution

*

*-----

* Storage declarations

greater: dc.b 'greater'

less: dc.b 'less'

 endppasm template.s

Macro preprocessing complete.

ERROR in line 157: Symbol value differs between first and second pass

1 error detected

No warnings generated

68000 Assembler by PGM

Please help when possible, thank you.

browncrown - May 17, 2016, 9:09 pm

the error is because you are using the symbol "less" in 2 x places

less:

 lineout less

and a second time

less: dc.b 'less'

call the second one "lessmsg" or something