
Subject: MSVS15x64: Compile Error C3256 C3259 C3250 in Fn.h findarg

Posted by [wqcmaster](#) on Fri, 28 May 2021 10:34:25 GMT

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Hi,

is there an error here?

No error is thrown under the CLANG compiler; if the MSVS15x64 compiler is used, several errors are thrown.

Upp Version: 15947

Package Core

File "Fn.h"

```
template <class T, class K, typename... L>
constexpr int findarg(const T& sel, const K& k, const L& ...args)
{
    if(sel == k)
        return 0;
    int q = findarg(sel, args...);
    return q >= 0 ? q + 1 : -1;
}
```

threw the following error:

...Fn.h (58): error C3256: "q": Variablenverwendung ergibt keinen konstanten Ausdruck

...Fn.h (53): error C3259: "constexpr"-Funktionen können nur eine return-Anweisung aufweisen.

...Fn.h (57): error C3250: "q": Deklaration ist im "constexpr"-Funktionstext nicht zulässig

But if the function is changed as follows:

```
template <class T, class K, typename... L>
constexpr int findarg(const T& sel, const K& k, const L& ...args)
{
    return (sel == k) ? 0 : findarg(sel, args...) >= 0 ? findarg(sel, args...) + 1 : -1;
}
```

-> no error is displayed when compiling.
