
Subject: Re: Should the pick semantics be changed?

Posted by [mirek](#) on Sun, 09 Mar 2014 08:34:32 GMT

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piotr5 wrote on Fri, 07 March 2014 10:23l agree, imho this is a bug in gcc (or maybe also in c++11 standard): every return statement should pass the arguments as rvalue to the return-type constructor since the return statement is leaving scope and thereby its parameters have the same properties as all implicate rvalue objects: unlikely to remain (unless static), should not be altered except for purposes of picking, definitely a temporary value.

thinking about it, consider

```
struct Foo {  
    Vector<int> bar;  
  
    Vector<int> Bar() { return bar; }  
};
```

Now perhaps compiler could distinguish the situation where local lvalue is returned, but I guess rules would become complicated here....

Mirek
