

Re: Troolean operators

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- *From:* rick_sobie@xxxxxxxxxxxx
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Because there is a difference between something not being assigned and a value.

for instance, you ask the computer if this number is greater than or equal to 0
do this, else do that.

You think you have it covered no?

Well the problem is that an undefined variable can be any value, whatever happens
to be at that memory address, so it is outside of your equation.

Let me try and clarify this a bit...

You have an equation, and if the result is positive or 0 then this.

Now in this above example, it returned a negative number, and so you assume,
that you caught that as part of your equation, and so that.

Now what if the value sitting in that register just happened to be a positive number?

Well then you assume, what you were expecting was the result in your equation, was true.

Yet that number was just sitting in a memory register, the actual variable which was supposed to represent that memory register, was not assigned a value at all.

Now it wasn't technically nil. It has some old number in it from a previous
assign call.

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So here you have a situation, where your supposed air tight equation, has a thing which can enter into your equation, yet not be part of your equation. It has entered because it looked like a value you were expecting, and it became a part of the equation, but it just entered in the middle. It did not come in in linear fashion.

So what you might have said instead of if the result is greater than or equal to 0, then this, else do that. That is a typical boolean situation and that covers true or false.

Lets freeze that frame for clarity right there.

Things can only be greater than or equal to 0, and less than 0 no?

Yet, what happened was one of the parts of your equation was an imaginary or random or nil value, it was merely an undefined commodity.

So the result looks right. It looks like it is still greater than or equal to 0 or less than 0, but really the equation answered nothing.

Because one of the constituent parts was well a lie.

And so what would be the merit of a reply, that was a lie? You can't send rockets to the moon based on lies.

"Well when you get out there, in space, be sure that your flaps are not on too steep an angle, you don't want friction to burn them when they are turned towards the sun"

So, OK, there is no atmosphere in space, flaps need air pressure to work, yet would the sun cause them a problem, and would that problem surface, when you are back on earth, trying to land?

If the person was a known liar who told you that, you would be worried because number one, it sounds serious, yet has components which may not make sense.

So it may be a true statement, it may be a false statement, and it may be pure nonsense.

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