

## Ask the Lecturer

### ~inside != outside

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**~inside != outside**

by [Sean Wayland](#) - Monday, 2 October 2017, 8:15 AM

Looking over assignment one and the solutions I see that when asked to negate "inside" the correct answers is "not inside" not "outside."

Take heed !

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**Re: ~inside != outside**

by [Sean Wayland](#) - Monday, 2 October 2017, 10:18 AM

I guess if Tom didn't actually exist that would be a negation of inside which was mutually exclusive of outside.

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**Re: ~inside != outside**

by [Peter Loxley](#) - Tuesday, 3 October 2017, 10:18 AM

This wasn't in any of the assignments for AMTH140. I would say "not inside" is equivalent to "outside".

Peter

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**Re: ~inside != outside**

by [Sean Wayland](#) - Wednesday, 4 October 2017, 11:38 AM

Perhaps Tom died ( after creating myspace ) and all that was left was his Facebook page.

Here's my assignment.

a) Apply De Morgan's laws to write the negation of the statement "Jim is inside and Jan is at the pool".

Let Jim is inside be denoted by A  
Let Jan is at the pool be denoted by B

This can be written as  $A \wedge B$

We want to find  $\neg(A \wedge B)$

2 Using de morgan's this becomes  $\neg(A) \vee \neg(B)$   
*not inside*  
ie Jim is outside or Jan is not at the pool.

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**Re: ~inside != outside**

by [Peter Loxley](#) - Wednesday, 4 October 2017, 12:23 PM

You should have sent this back to your marker with a query.

Peter

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