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Discrete Mathematics
Logic
Examples for Negation
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Let us now see some examples where we can use negation. Let's see what happens when we negate a statement. Consider this statement P where 2 is less than or equal to 3. We all know that this is true and hence it gets a Boolean value 1. When we negate the statement obviously it becomes 2 is not less than or equal to 3 and I can write it like this. But it's very convenient to say that 2 is greater than 3. This becomes the negation of the statement P. Well we all know that 2 is greater than 3 is a false statement and hence this gets a Boolean value 0. The next one. 2 plus 3 is equal to 10. I am sure it's not true. The negation of this statement becomes 2 plus 3 is not equal to 10. Well these are all very simple examples. I hope you all are catching it really fast.