Section 1.12: conta

Monday, October 19, 2015 10:30 AM

consider the following conditional statements. Do they still make sense when written as a loiconditional?

(1) If today is February 14th, then today is valentine's Day,

Yes

because if today & Feb 14th, today & valentine's day

(a) If you est at Joe's, you will have a good meal.

because there are potentially other places that you call have a good meal.

example: True: If and only if snarks are Bookins, then the bellmen is incorrect.

a) Sharks are Bodyums. Is the bellman correct? No b) Sharks are not Bodyums. Is the bellman correct? Yes of the bellman is correct. Are sharks Bodyums? No d) The bellman is incorrect. Are sharks Bodyums? Yes

example: Is the bicanditional, per q, logically equivalent to $(p \land q) \lor (\bar{p} \land \bar{q})$?

Tustify your answer using a truth table.

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