Re: what boolean connectives together with −> make a complete system?

Source: http://sci.tech−archive.net/Archive/sci.math/2004−12/9650.html

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From: Owen (*oorionus_at_yahoo.com*)
Date: 12/21/04

Date: Tue, 21 Dec 2004 15:07:02 −0500

Where are the expected muraders of anything that novices say, such as me, express.
Ullrich, G. Frege, Fransen, ..where are you complaints?

Surely , I didn't say something correct, in your view.

"Owen" <oorionus@yahoo.com> wrote in message news:_8OdnddRjY3CT1vcRVn−uw@rogers.com...
> I. (nor)
>
> 1.~p =df (p nor p)
> 2. p v q =df ~(p nor q)
> 3. _T =df p v ~p
> 4. F =df ~T
> 5. p & q =df ~(~p v ~q)
> 6. p nand q =df ~(p & q)
> 7. p −> q =df ~p v q
> 8. p −|−> q =df ~(p −> q)
> 9. p <−> q =df (p −> q)&(q −> p)
> 10. p xor q =df ~(p <−> q)
>
>
> II. (nand)
>
> 1. ~p =df (p nand p)
> 2. p & q =df ~(p nand q)
> 3. F =df p & ~p
> 4. T =df ~F
> 5. p v q =df ~(~p & ~q)
> 6. p nor q =df ~(p v q)
> 7. p −> q =df ~p v q
> 8. p −|−> q =df ~(p −> q)
> 9. p <−> q =df (p −> q)&(q −> p)
> 10. p xor q =df ~(p <−> q)
>

>
> *III. (T, −|−>)*
>
> *1. ~p =df T −|−> p*
> *2. F =df ~T*
> *3. p −> q =df ~(p −|−> q)*
> *4. p v q =df ~p −> q*
> *5. p nor q =df ~(p v q)*
> *6. p & q =df ~(~p v ~q)*
> *7. p nand q =df ~(p & q)*
> *8. p <−> q =df (p −> q)&(q −> p)*
> *9. p xor q =df ~(p <−> q)*
>
>
> *IV. (F, −>)*
>
> *1. ~p =df p −> F*
> *2. T=df ~F*
> *3. p −|−> q =df ~(p −> q)*
> *4. p v q =df ~p −> q*
> *5. p nor q =df ~(p v q)*
> *6. p & q =df ~(~p v ~q)*
> *7. p nand q =df ~(p & q)*
> *8. p <−> q =df (p −> q)&(q −> p)*
> *9. p xor q =df ~(p <−> q)*
>
> *V. (~, v)*
>
> *1. T =df p v ~p*
> *2. F =df ~T*
> *3. p nor q =df ~(p v q)*
> *4. p −> q =df ~p v q*
> *5. p −|−> q =df ~(p −> q)*
> *6. p & q =df ~(~p v ~q)*
> *7. p nand q =df ~(p & q)*
> *8. p <−> q =df (p −> q)&(q −> p)*
> *9. p xor q =df ~(p <−> q)*
>
> *VI. (~, &)*
>
> *1. F =df p & ~p*
> *2. T =df ~F*
> *3. p nand q =df ~(p & q)*
> *4. p v q =df ~(~p & ~q)*
> *5. p nor q =df ~(p v q)*
> *6. p −> q =df ~p v q*
> *7. p −|−> q =df ~(p −> q)*
> *8. p <−> q =df (p −> q)&(q −> p)*
> *9. p xor q =df ~(p <−> q)*
>
> *VII. (~, −>)*

> *1. T =df p −> p*
> *2. F =df ~T*
> *3. p −|−> q =df ~(p −> q)*
> *4. p v q =df ~p −> q*
> *5. p nor q =df ~(p v q)*
> *6. p & q =df ~(~p v ~q)*
> *7. p nand q =df ~(p & q)*
> *8. p <−> q =df (p −> q)&(q −> p)*
> *9. p xor q =df ~(p <−> q)*
>
>
>
>
>
> *"|−|erc" <h@r.c> wrote in message*
news:32n8q4F3onqg5U1@individual.net...
> > *like NOT and OR is complete.*
> >
> > *NOR is complete*
> >
> > *−> and ?*
> >
> > *Herc*
> >
> > *−−*
> > *"YOU CAN'T PROVE ME"*
> > *If you prove it's true then it has a proof, which makes it false*
> > *If you don't prove it, then its true*
> > *10,000 people in sci.math ALL believe this is irrefutable that*
> *mathematics will always be incomplete.*
> >
> >
>
>