

Re: Need help with a circuit

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On 28 Dec 2004 14:31:25 -0800, "Dark Alchemist"

<GhostOfACPast@gmail.com> wrote:

>*Hmmm, I was able to get all the way to the last part on my own but even*

>*looking at what you did (where I see an and gate) I am lost.*

>

>*So, I have two outputs (A, B) and your logic table works. Now all I*

>*need to do is take the $A \text{ AND } B = 0$ or 1 in this instance. I noticed*

>*that $0 < x < 1$ $1 \cdot 1$ and 1 is 1 while 0 and 1 or 1 and $0 = 0$*

>*so would it not be simpler to $(A \text{ AND } B) * \text{sqrt}(1-x^2)$? The product of*

>*that would be 0 or the sqrt part.*

Yes, that's essentially what I've done by ANDing the comparator outputs and giving you that AND as an enable. Not knowing what your square-rooter-subtractor circuitry looks like, that was as far as I could go. If you can perform the ANDing in your computational circuitry, go for it!

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John Fields