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From: Metzger <UD004872@VM1.NoDak.EDU>  
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 Date: Tue, 30 Apr 91 09:15:41 CDT  
 Organization: North Dakota Higher Education Computer Network  
 Subject: Re: Integer Sequences, extensions and corrections  
 To: Number Theory List <NMBRTHRY@NDSUVM1>,  
 Neil Sloane <njas@research.att.com>  
 In-Reply-To: Message of Mon, 29 Apr 91 13:09:37 -0400 from  
 <njas@research.att.com>  
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There are three references to the game of MOUSETRAP that I find in your book. #1635, #1186 and #1423. All of these came from an article by Adolph Steen in Quarterly Journal of Pure and Applied Mathematics, Vol. 15, pp 230-241. You may have other references to sequences from that article, but I haven't bumped into them.

Sequence 1423 is correct. The other two ARE correctly copied from the article, but both are based on an error Steen made in one of his formulas. No doubt he would have discovered that if he had had a computer! In section six of his article he gives formula

$$a(n-1, x-1) = a(n-2, x-2) - a(n-3, x-2)$$

it should be

$$a(n-1, x-1) = a(n-1, x-2) - a(n-2, x-2).$$

This changes sequence # 1635 from: 1, 5, 31, 197, 1435, 11765, 107755  
 to: 1, 5, 31, 203, 1501, 12449, 114955

# 1186 from: 1, 3, 13, 65, 403, 2885, 23515, 214805  
 to: 1, 3, 13, 65, 397, 2819, 22831, 207605.

These corrections were found by Dan Mundfrom as part of an independent study at the Univ of North Dakota.

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