

Re: HLA v1.68 is now available

Source: <http://coding.derkeiler.com/Archive/Assembler/alt.lang.asm/2004-07/1182.html>

From: Alex McDonald (alex_mcd_at_btopenworld.com)

Date: 07/28/04

Date: Wed, 28 Jul 2004 07:48:40 +0000 (UTC)

"Randall Hyde" <randyhyde@earthlink.net> wrote in message
news:qMBNc.529\$9Y6.141@newsread1.news.pas.earthlink.net...

>

> "Alex McDonald" <alex_mcd@btopenworld.com> wrote in message news:ce6jj8

>>

>> Randy has indicated (another part of this thread) that this is an

>> NP-complete problem; I'm not in agreement with him here, as I think it's

a

>> cost-based variation of transitive closure, where each basic block is a

> node

>> on the graph and the cost is the jump distance. The minimal algorithm is

>> P-complete and requires one pass; however, it's a second pass over the

>> data -- hence two passes needed for your assembler. I'm willing to be

> proved

>> wrong on this one, btw.

>

> Alex, this is a very *old* proof. 70's or 80's as I recall.

> You might want to read the following, as it provides a pretty good

> explanation of this:

> <http://www.masmforum.com/viewtopic.php?t=1734>

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I stand corrected.

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Regards

Alex McDonald