

Re: Hash table

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From: Jon Skeet [C# MVP] (skeet_at_pobox.com)

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Marty <reply@to.forum> wrote:

- > *Does anyone has to face the problem of hashing a string of 12 characters*
- > *AND avoid any collision?*
- >
- > *I'm looking for some algorithm who could return a good (small) hash*
- > *value for any string of 12 characters.*

For 12 characters to have a non-colliding hash, you'll need more than 24 bytes of hash. There are various ways of making it non-colliding – an identity hash would do, to start with, if your one goal is to avoid collisions. You obviously can't have a shorter hash and have no collisions – there are too many strings and not enough possible hash values! The point of a hash is usually to take a large amount of data and hash it into a smaller value which is **unlikely** to collide with that created by a different chunk of source data – but once you specify that collisions mustn't occur at all, hashing just doesn't work as a concept.

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Jon Skeet - <skeet@pobox.com>

<http://www.pobox.com/~skeet>

If replying to the group, please do not mail me too