

*:96 Overheads

Part 3a: E-mail introduction

More about this course about Internet application protocols can be found at URL:

<http://www.dsv.su.se/~jpalme/internet-course/Int-app-prot-kurs.html>

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Internet e-mail address format

"Paul K. Rarey" <prarey@ssf-sys.dhl.com>

User friendly name

E-mail address

Envelope, Content, Heading and Body

```
Subject: RE: Meetings  
Date: Fri, 12 Jan 2001 09:34:09 -0800  
From: "Mary Smith" <marys@foo.net>  
To: "James Thorn" <jamest@bar.net>
```

} Heading

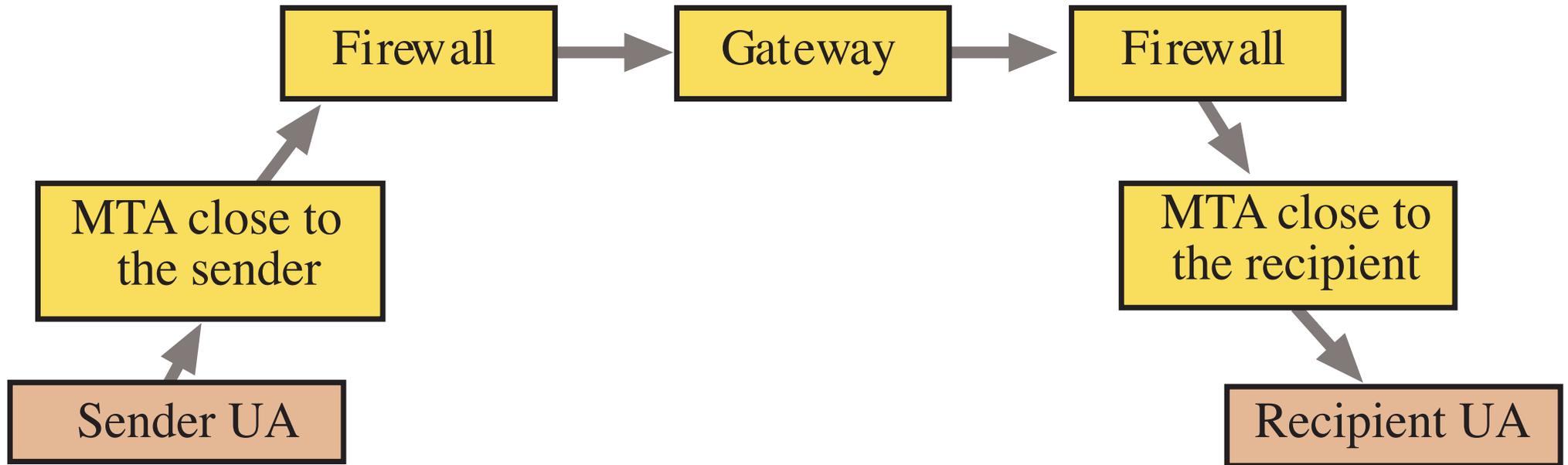
```
We met, we parted, we met again. We  
did not know then, that what we had,  
was the best that our life good give.
```

} Body

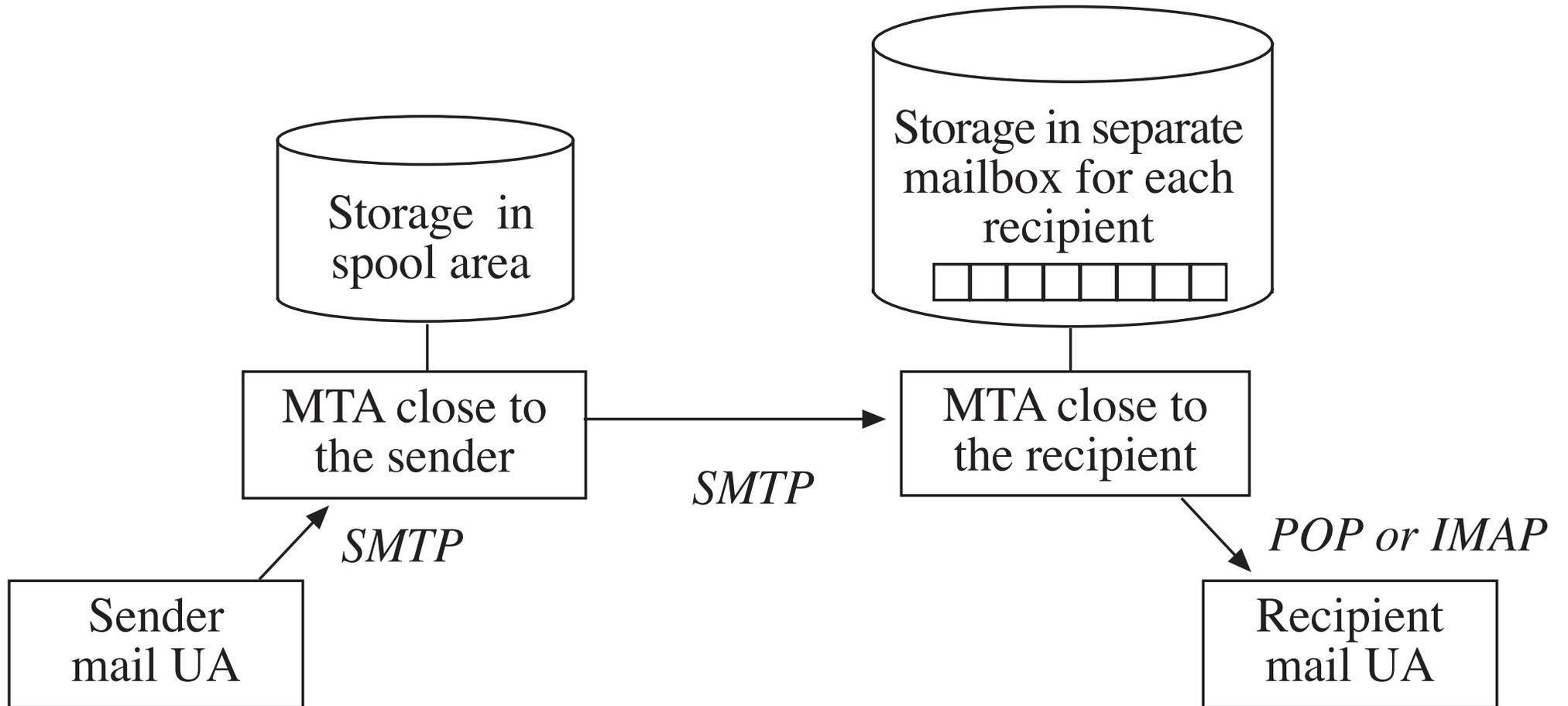
```
MAIL FROM:<dduck@duckville.net>  
RCPT TO:<jpalme@dsv.su.se>
```

} Envelope

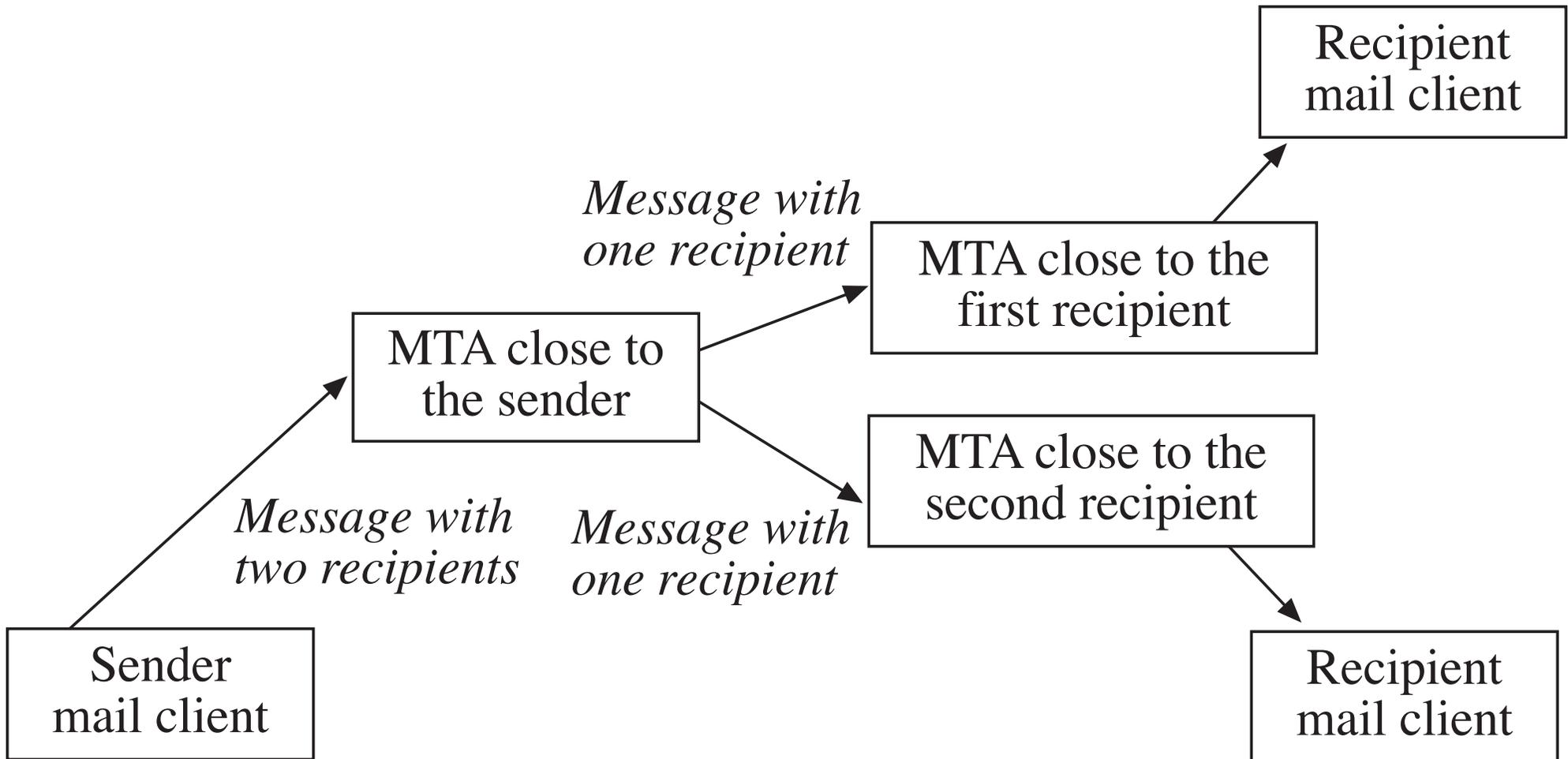
Multiple Relaying because of Firewalls



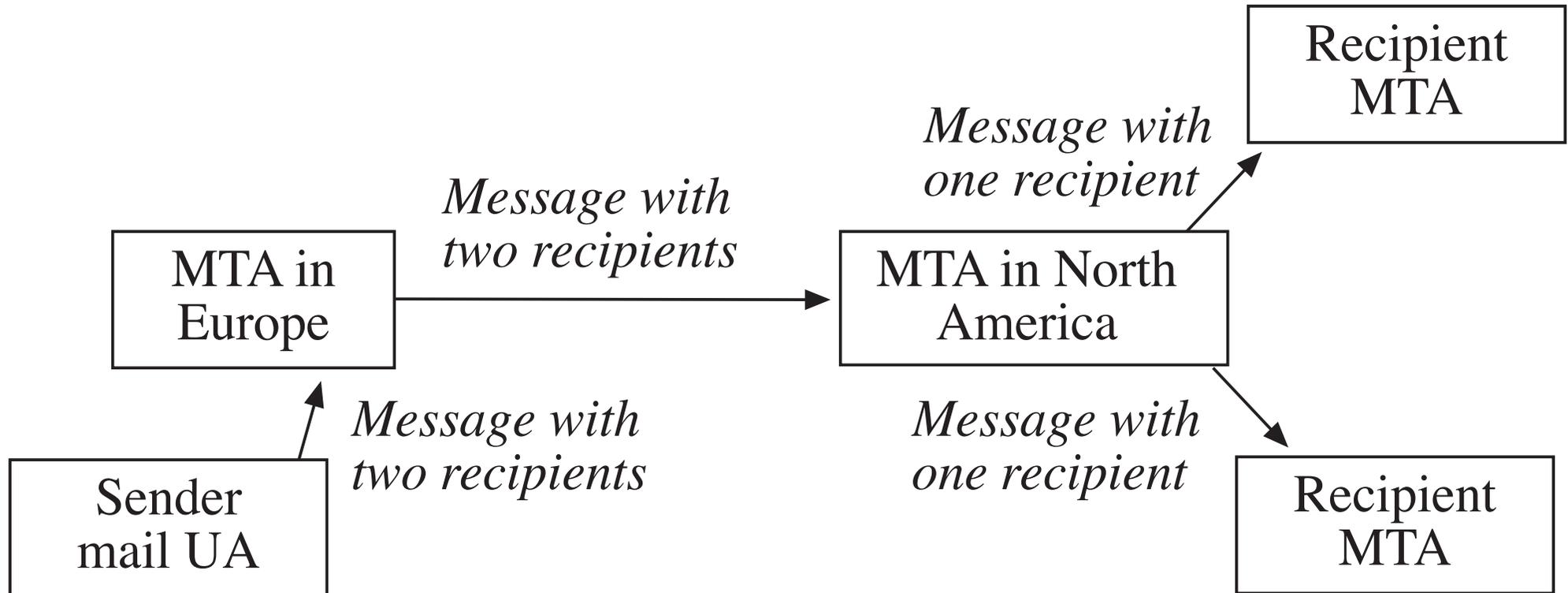
Storage of Mail in MTAs



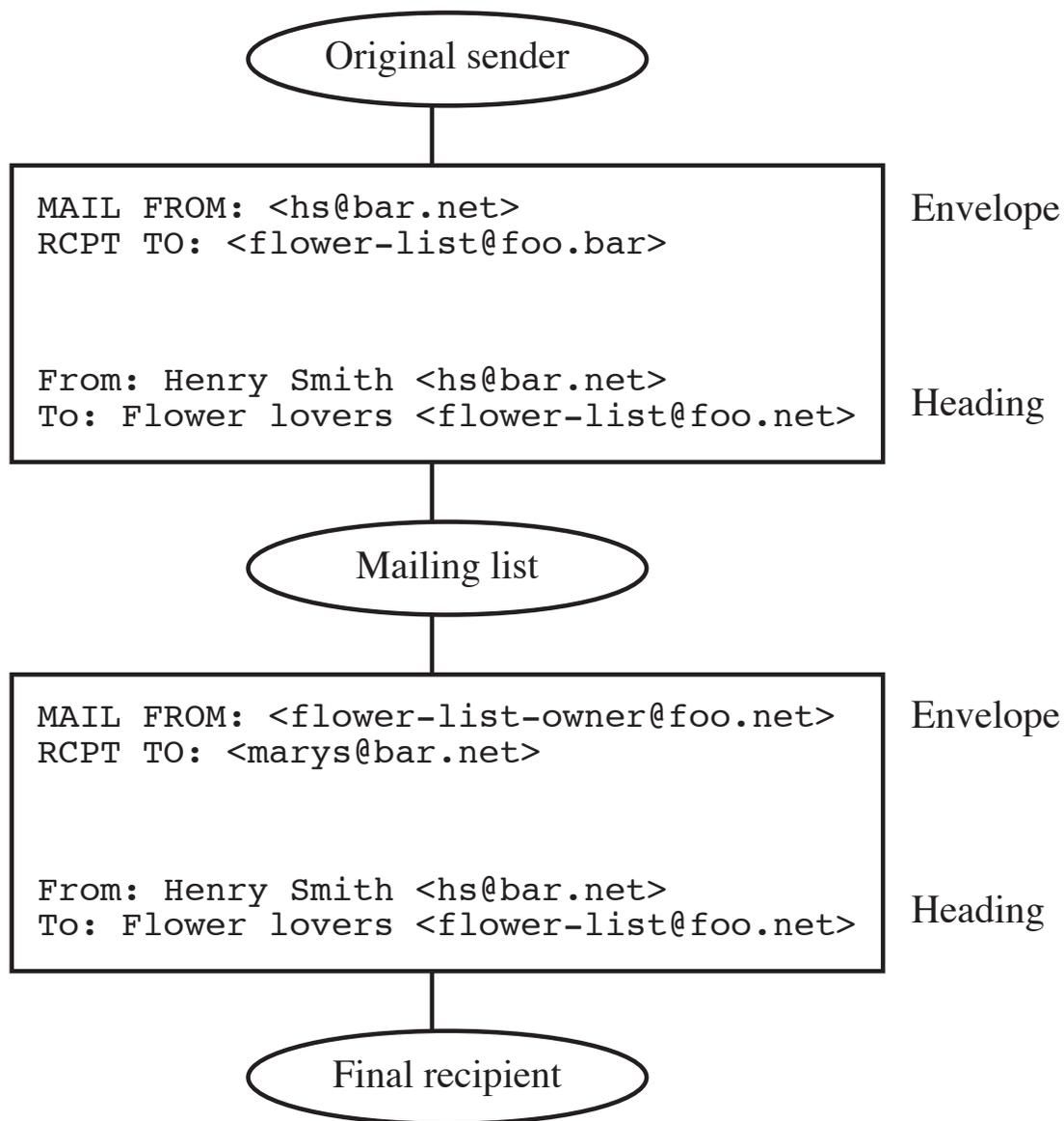
Split of Messages in MTAs



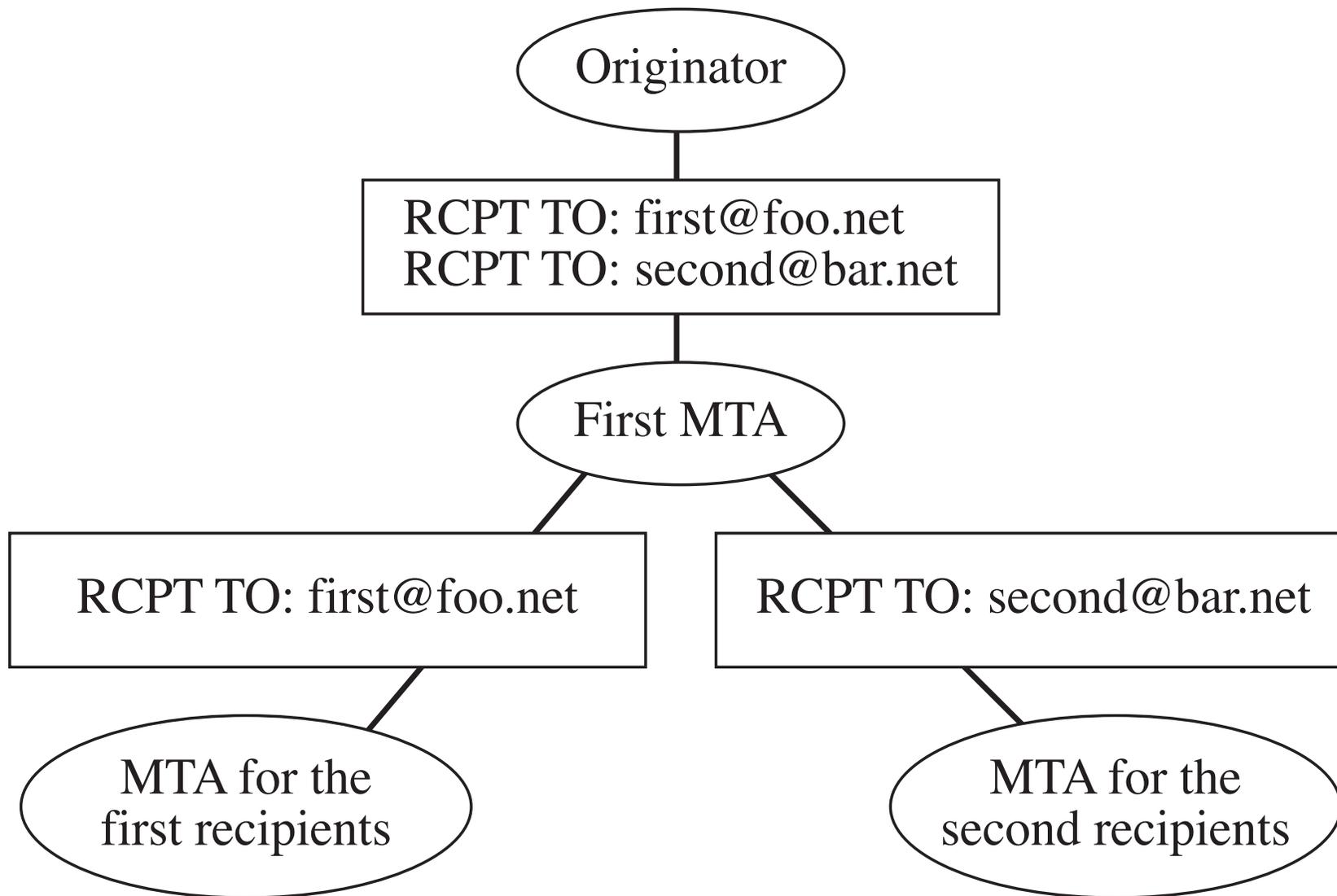
Saving Netload by Split in MTAs



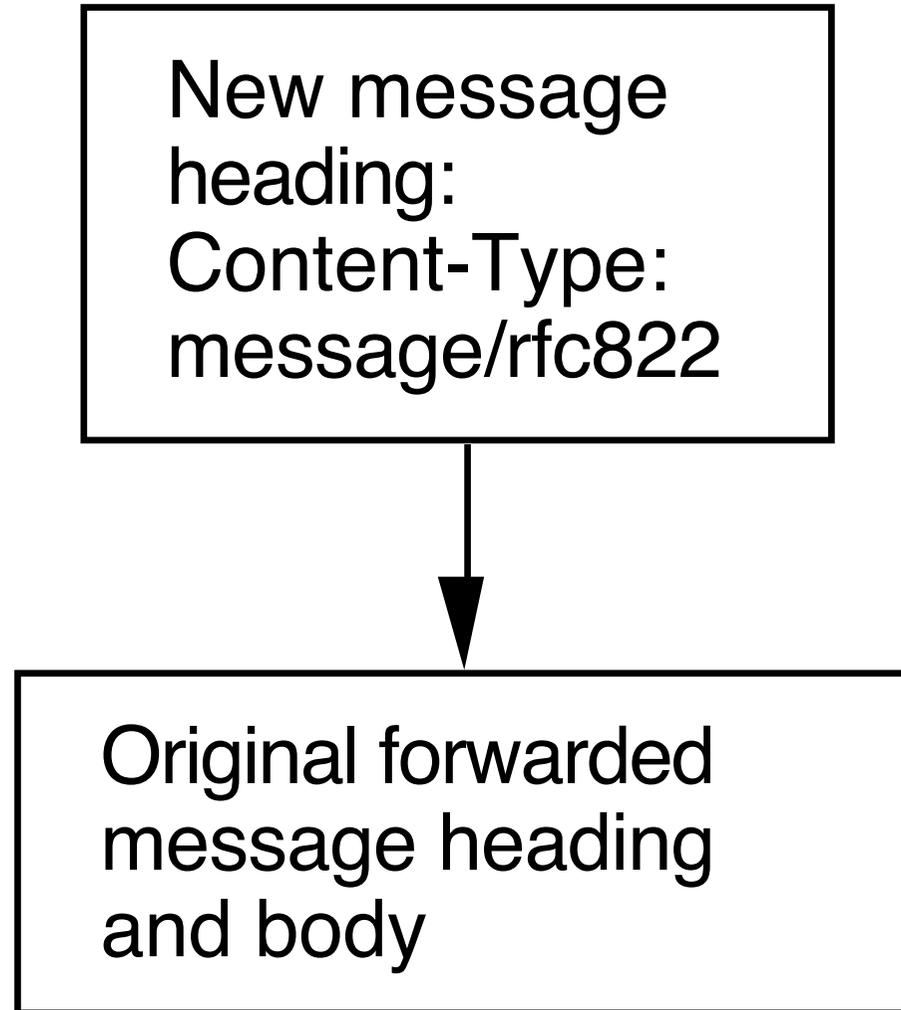
From and MAIL FROM for Mailing Lists



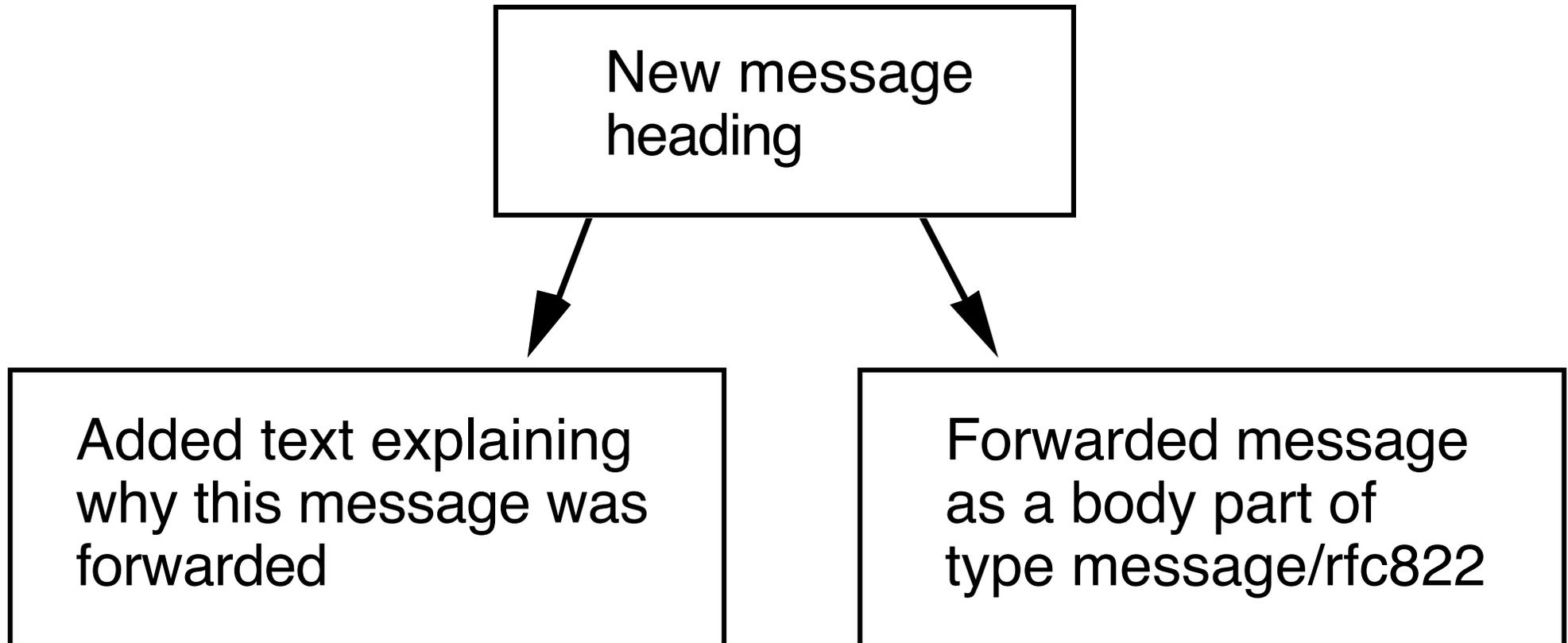
RCPT TO versus To after Split



Forwarding with a MIME Message/rfc822



Forwarding with a MIME multipart message

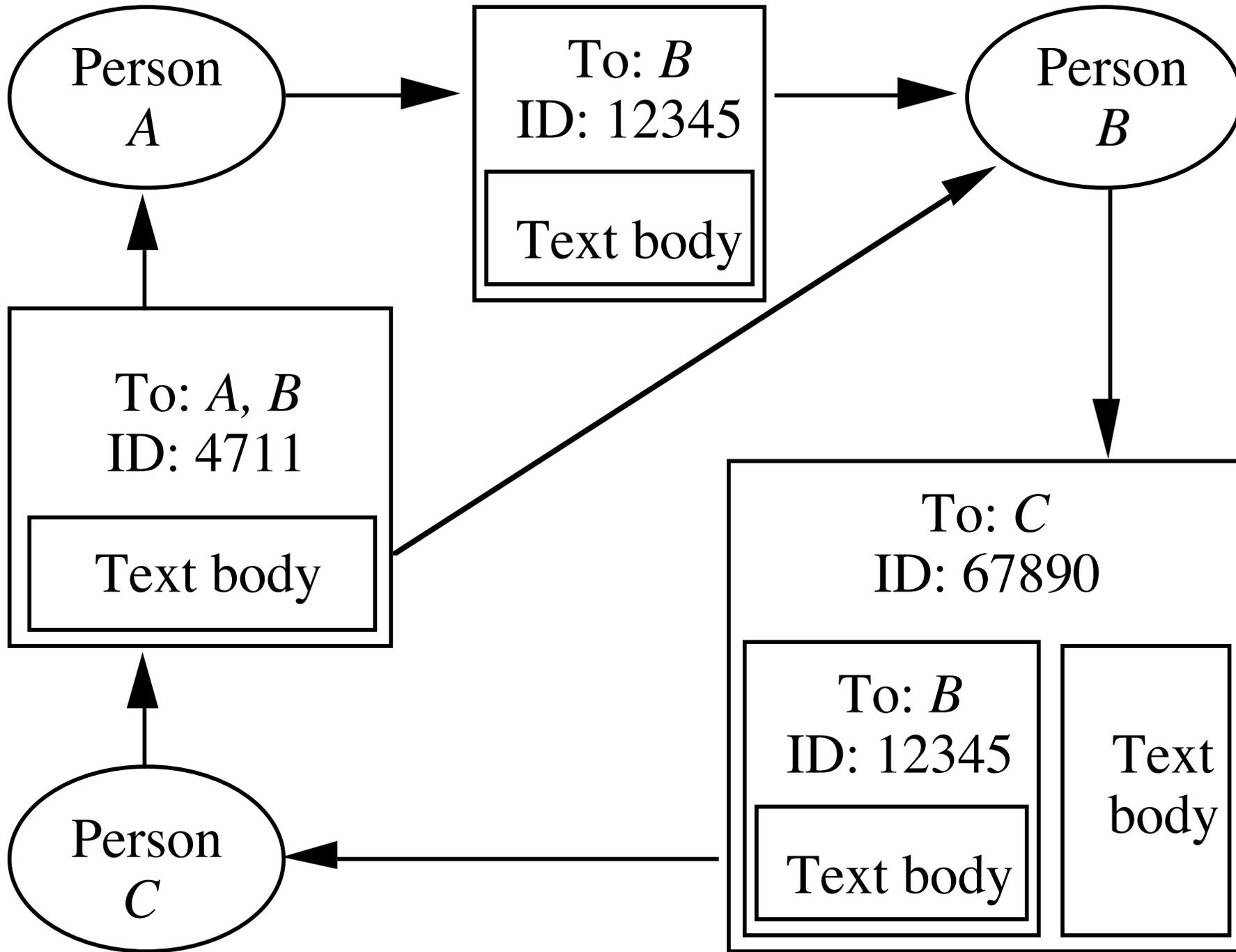


Resending and Forwarding

Original message	<pre>Date: 14 Jan 2005 09:35 From: Donald Duck <dduck@northpole.foo> To: Jacob Palme <jpalme@dsv.su.se></pre>
Resent message	<pre>Date: 14 Jan 2005 09:35 Resent-Date 14 Jan 2005 10:35 From: Donald Duck <dduck@northpole.foo> Resent-From: Jacob Palme <jpalme@dsv.su.se> To: Jacob Palme <jpalme@dsv.su.se> Resent-To: Ducklovers <dlovers@dsv.su.se></pre>
Forwarded message	<pre>Date: 14 Jan 2005 10:35 From: Jacob Palme <jpalme@dsv.su.se> To: Ducklovers <dlovers@dsv.su.se> > Header and body of original message</pre>

Original message	Date: 14 Jan 2005 09:35 From: Donald Duck <dduck@northpole.foo> To: Jacob Palme <jpalme@dsv.su.se>
Mime forwarding variant 1	Date: 14 Jan 2005 10:35 From: Jacob Palme <jpalme@dsv.su.se> To: Ducklovers <dlovers@dsv.su.se> Content-Type: message/rfc822 Date: 14 Jan 2005 09:35 From: Donald Duck <dduck@northpole.foo> To: Jacob Palme <jpalme@dsv.su.se>

Original message	<p>Date: 14 Jan 2005 09:35 From: Donald Duck <dduck@northpole.foo> To: Jacob Palme <jpalme@dsv.su.se></p>
Mime forwarding variant 1	<p>Date: 14 Jan 2005 10:35 From: Jacob Palme <jpalme@dsv.su.se> To: Ducklovers <dlovers@dsv.su.se> Content-Type: Multipart/mixed Content-Type: message/rfc822 Date: 14 Jan 2005 09:35 From: Donald Duck <dduck@northpole.foo> To: Jacob Palme <jpalme@dsv.su.se> Content-Type: Text/plain Comment on forwarded message</p>



Methods of e-mail forwarding

- (a) Add new Resent-headers to the original message.
- (b) The forwarded message is made into a body part of type message/rfc822 in a new multipart message:
- (c) The text of the forwarded message is copied into the text of the new message with copy marks.

Which method is best if the forwarded message had a digital seal?

MAIL FROM (Envelope) versus From (Header)

Original message	<pre>RCPT TO:<cmclist@host.net> MAIL FROM:<jpalme@dsv.su.se> Date: 14 Jan 2005 09:35 From: Jacob Palme <jpalme@dsv.su.se> To: CMC mailing list <cmclist@host.net></pre>
Forwarded message	<pre>RCPT TO:<mary@host.net> MAIL FROM:<cmclist-owner@host.net> Date: 14 Jan 2005 09:35 From: Jacob Palme <jpalme@dsv.su.se> To: CMC mailing list <cmclist@host.net></pre>