$$Deref: Status \times Response \rightarrow Status. \tag{1}$$

Where Status and Response are:

Status: (RequestURI, Status Code, TargetURI).

Response: (Status Code, TargetURI).

 $StatusCode: _(underscore\ denotes\ empty), 200, 303, 302, 307, 4xx, 5xx, unhash, BAD, ANY$.

$$Deref: (URI_r, _, ANY) (200, _) \to (URI_r, 200, ANY)$$
 (2)

$$Deref: (URI_r, _ANY) (301, URI_t) \to (URI_t, _URI_t).$$
 (3)

$$Deref: (URI_r, _, ANY) (302/307, URI_t) \to (URI_r, _, URI_t).$$
 (4)

$$Deref: (URI_r, _, ANY) (303, URI_t) \to (URI_r, 303, URI_t).$$
 (5)

$$Deref: (URI_r, ANY, ANY) (4xx/5xx, BAD) \rightarrow (URI_r, BAD, _) . \tag{6}$$

$$Deref: (URI_r # frag, ANY, ANY) (unhash, URI_r) \rightarrow (URI_r # frag, un$$
 (7)

 $hash, URI_r$).

$$\begin{aligned} & \textit{Deref:} \left(\textit{URI}_r, 303 / \textit{unhash}, \textit{URI}_t \right) \left(200, _ \right) \\ & \rightarrow \left(\textit{URI}_r, 303 / \textit{unhash}, \textit{URI}_t \right). \end{aligned} \tag{8}$$

Deref:
$$(URI_r, 303/unhash, ANY) (301/302/303/307, URI_t) \rightarrow (URI_r, 303/unhash, URI_t)$$
. (9)