

```

procedure recovery_protocol(p)
% Executed by recovering participant p

1      R := set of DT-log records regarding transaction
2      case R of
3          {}:                                skip
4          {start}:                          decide ABORT
5          {start,no}:                       decide ABORT
6          {start,vote,decision}:            skip
7          {start,yes}:
8              while (undecided) do
9                  send [HELP, transaction] to all participants
10                 set-timeout-to  $2\delta$ 
11                 wait-for receipt of [REPLY: transaction, reply] message
12                     if (reply  $\neq$ ?) then
13                         decide reply
14                     else
15                         if (received ? replies from all participants) then
16                             decide ABORT
17                 on-timeout
18                     skip

```