

```

{ $l \xrightarrow{\alpha} \text{nil}$ }
while { $\exists \beta, \alpha'. \alpha = \beta \alpha' \wedge l \xrightarrow{\alpha'} \text{nil}$ }
   $l \neq \text{nil}$ 
do begin { $\alpha' \neq \epsilon$ }
   $t := l;$            { $t \xrightarrow{x} l' \xrightarrow{\alpha''} \text{nil}$ }
   $l := l.2;$         { $t \xrightarrow{x} l \xrightarrow{\alpha''} \text{nil}$ }
  dispose( $t$ );      { $l \xrightarrow{\alpha''} \text{nil}$ } end
{ $l \xrightarrow{\epsilon} \text{nil}$ }
{emp}

```