

R₁ reverse (Xs, Rs) :- reverse-dl (Xs, Rs \ [E]).

R₂ reverse-dl ([], T \ T).

R₃ reverse-dl ([X/Xs], Rs \ T) :- reverse-dl (Xs, Rs \ [X \ T]).

G₀ = <reverse ([1, 2, 3], As) | true>

/ R₁

<reverse-dl ([1, 2, 3], As \ [1]) | true>

/ R₂
<[] | false>

\ R₃

<reverse-dl ([2, 3], As \ [1]) | true>

/ R₂
<[] | false>

\ R₃

<reverse-dl ([3], As \ [2, 1]) | true>

/ R₂
<[] | false>

\ R₃

<reverse-dl ([], As \ [3, 2, 1]) | true>

/ R₂
<[] | As = [3, 2, 1]>

\ R₃

<[] | false>