R<sub>1</sub> sum (
$$\Gamma$$
],  $\sigma$ ).  
R<sub>2</sub> sum ( $\Gamma$ X/Xs], X+S):- sum (Xs,S).

$$G_0 = \langle Sum(Eloo], N) | + vue \rangle$$

$$R_1 \qquad | R_2 \qquad \langle Sum(E], S) | N = S + 100 \rangle$$

$$R_1 \qquad | R_2 \qquad | R_2 \qquad | R_2 \qquad | R_2 \qquad | False \rangle$$

Go = 
$$\langle Sum(As, Io) | tvue \rangle$$
 $\langle Sum(xs,s) | [X|Xs] = As, X+S = Io \rangle$ 
 $\langle Sum(Xs',s') | [X,x'|Xs'] = As, X+X+S' = Io \rangle$ 
 $\langle D|As = [X,X'], X+X' = Io \rangle$ 
 $\langle Sum(Xs',s') | [X,X',X'] = As, X+X+X'' + s'' = Io \rangle$ 
 $\langle Sum(Xs'',s'') | [X,X',X''] = As, X+X+X'' + s'' = Io \rangle$ 
 $\langle Sum(Xs'',s'') | [X,X',X''] = As, X+X+X'' + s'' = Io \rangle$ 
 $\langle Sum(Xs'',s'') | [X,X',X''] = As, X+X+X'' + s'' = Io \rangle$ 
 $\langle Sum(Xs'',s'') | [X,X',X''] = As, X+X+X'' + s'' = Io \rangle$ 
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 $\langle Sum(Xs'',s'') | [X,X',X''] = As, X+X+X'' + s''' = Io \rangle$ 
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 $\langle Sum(Xs'',s'') | [X,X'',X''] = As, X+X+X'' + S''' = Io \rangle$