1:	(rev•rev)x=rev(rev x)	Unfold •
2:	rev(rev[])=rev[]	Unfold rev'0
3:	rev[]=[]	Unfold rev'0
4:	[]=[]	= reflexive
5:	rev[]=[]	= transitive 3,4
6:	rev(rev[])=[]	= transitive 2,5
7:	rev(rev[x3])=rev[x3]	Unfold rev'1
8:	rev[x3]=[x3]	Unfold rev'1
9:	[x3]=[x3]	= reflexive
10:	rev[x3]=[x3]	= transitive 8,9
11:	rev(rev[x3])=[x3]	= transitive 7,10
12:	rev(rev xs)=xs, rev(rev ys)=ys	assumptions
13:	rev(rev(xs++ys))=rev(rev ys++rev xs)	Unfold rev'2
14:	rev(rev ys++rev xs)=rev(rev xs)++rev(rev ys)	Unfold rev'2
15:	rev(rev xs)++rev(rev ys)=xs++rev(rev ys)	Unfold 12.1
16:	xs++rev(rev ys)=xs++ys	Unfold 12.2
17:	xs++ys=xs++ys	= reflexive
18:	xs++rev(rev ys)=xs++ys	= transitive 16,17
19:	rev(rev xs)++rev(rev ys)=xs++ys	= transitive 15,18
20:	rev(rev ys++rev xs)=xs++ys	= transitive 14,19
21:	rev(rev(xs++ys))=xs++ys	= transitive 13,20
22:	rev(rev x)=x	listinduction 6,11,12-21
23:	x=id x	Fold id
24:	rev(rev x)=id x	= transitive 22,23
25:	(rev•rev)x=id x	= transitive 1,24
26:	rev•rev=id	ext 25