Resolver	resolverState	Context(nextFile)	Return
resolverState=initialState			
nextFile(resolverState)	initialState	ELFContextState=processingFileNode,	a.o
resolverState=nochange			
process(a.o)			
state=definedatoms/undefinedatoms(reason:main/printf)			
nextFile(resolverState)	definedAtoms/ undefinedAtoms	ELFContextState=processingFileNode,	b.o
resolverState=nochange			
process(b.o)			
state=undefinedatoms(reason:pthread_create)			
nextFile(resolverState)	undefinedAtoms	ELFContextState=processingGroupNode,libc.a	libc.a
resolverState=nochange			
LinkingContext would exit the GroupNode only if the state of each file in the group is unchanged, or has only definedAtoms			
(ITERATION 1)			
process(libc.a)			
process(printf.o)			
state=definedatom(reason:printf)			
nextFile(resolverState)	definedAtoms	ELFContextState=processingGroupNode, state[libc.a]=definedAtoms	libpthread.a
resolverState=nochange			
process(libpthread.a)			
process(pthread.o)			
state=definedatom/undefinedatoms(reason:pthread_create/exit)			
nextFile(resolverState)	definedAtoms/ undefinedatoms	ELFContextState=processingGroupNode, state[libpthread.a]=definedAtoms|undefinedAtoms	libc.a
(ITERATION 2)			
resolverState=nochange			
process(libc.a)			
process(exit.o)			
state=definedatom(reason: exit)			
nextfile(resolverState)	definedAtoms	ELFContextState=processingGroupNode, state[libc.a]=definedAtoms	libpthread.a
resolverState=nochange			
process(libc.a)			
state=nochange			
nextfile(resolverState)	nochange	ELFContextState=processingGroupNode, state[libpthread.a]=nochange	
Group Exit			
resolverState=nochange			
process(function.o)			
state=definedatom	(reason:	fn)	
Exit Operation			