Acquire	Release	Release	load resp
ms = meta.read()	data.write(r)	data.write(r)	data.write(r)
if(ms.isValid)	Grant	meta.write(r)	Grant
if(ms.hasSharers)	Acquire	Grant	
Probe	ms = meta.read()		
Finish	if(!ms.isValid)	Manager	Sub-Flows
meta.write(g)	load req	Client S	ub-Flows
Probe	Grant	store req	writeback req
cs = meta.read()	data.write(g)	cs = meta.read()	cs = meta.read()
if(cs.isValid)	meta.write(g)	if(!cs.isValid)	if(cs.needWB)
d = data.read(p)	proc resp	if(!ev.needsWB)	Release
meta.write(p)	Finish	Acquire	Grant
Release			meta.write(g)