Outline for April 10, 2003

1. Take-Grant
   a. can\(\text{\textbullet share}(r, x, y, G_0)\) iff there is an edge from \(x\) to \(y\) labelled \(r\) in \(G_0\), or all of the following hold: (1) there is a vertex \(y'\) with an edge from \(y'\) to \(y\) labelled \(r\); (2) there is a subject \(y''\) which terminally spans to \(y'\), or \(y'' = y'\); (3) there is a subject \(x'\) which initially spans to \(x\), or \(x' = x\); and (4) there is a sequence of islands \(I_1, ..., I_n\) connected by bridges for which \(x'\) is in \(I_1\) and \(y'\) is in \(I_n\).
   b. Go through interpretation
   c. can\(\text{\textbullet steal}(r, x, y, G_0)\) iff all of the following hold: (1) there is no edge in \(G_0\) from \(x\) to \(y\) labelled \(r\); (2) there is a subject \(x'\) which initially spans to \(x\), or \(x' = x\); and (4) there is a vertex \(y'\) with an edge labeled \(r\) to \(y\) in \(G_0\) for which can\(\text{\textbullet share}(t, x, y', G_0)\) holds
   d. Present conspiracies

2. Schematic Protection Model
   a. Model components
   b. Link function
   c. Filter function
   d. Example: Take-Grant as an instance of SPM
   e. Create operations and attenuation