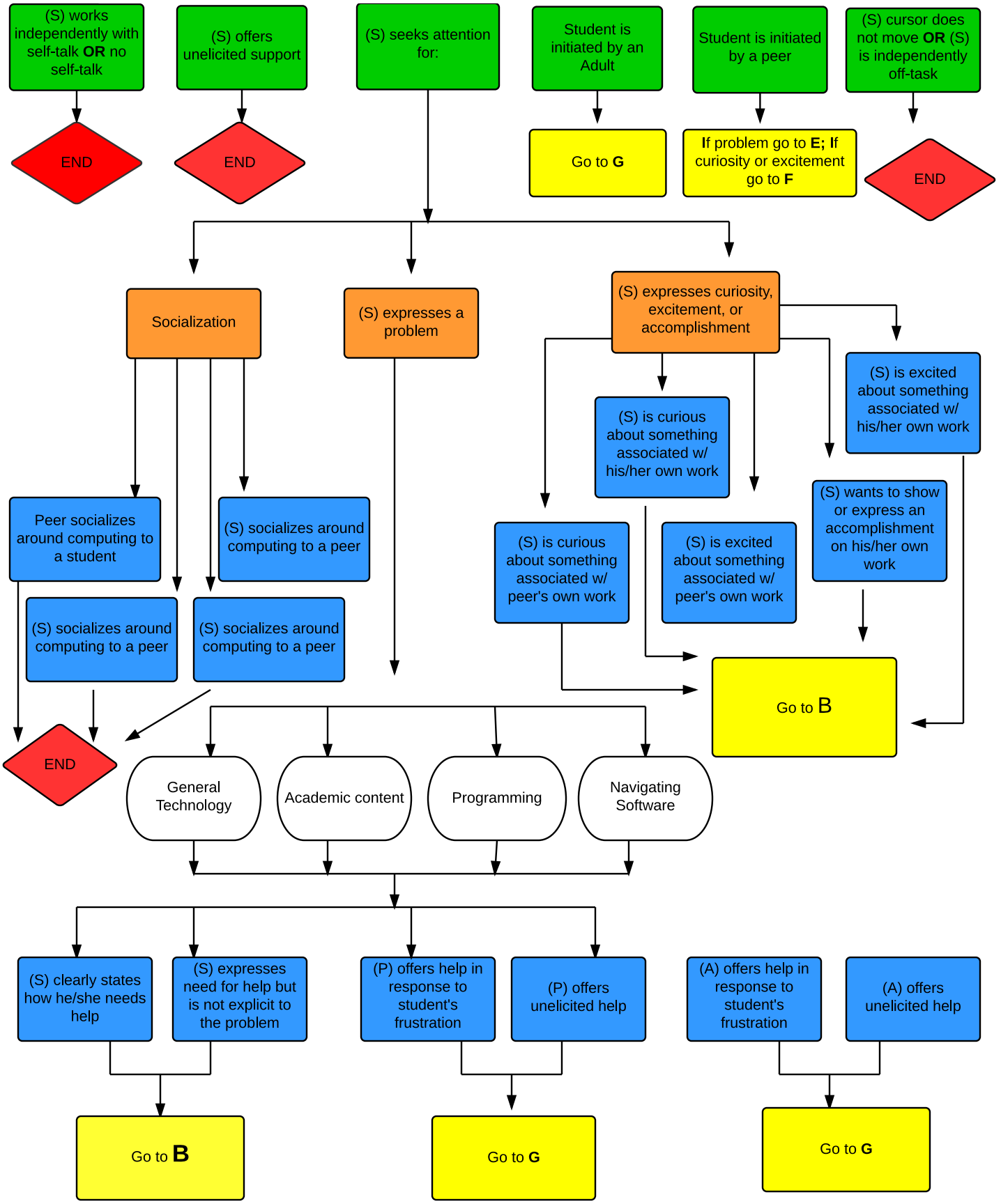
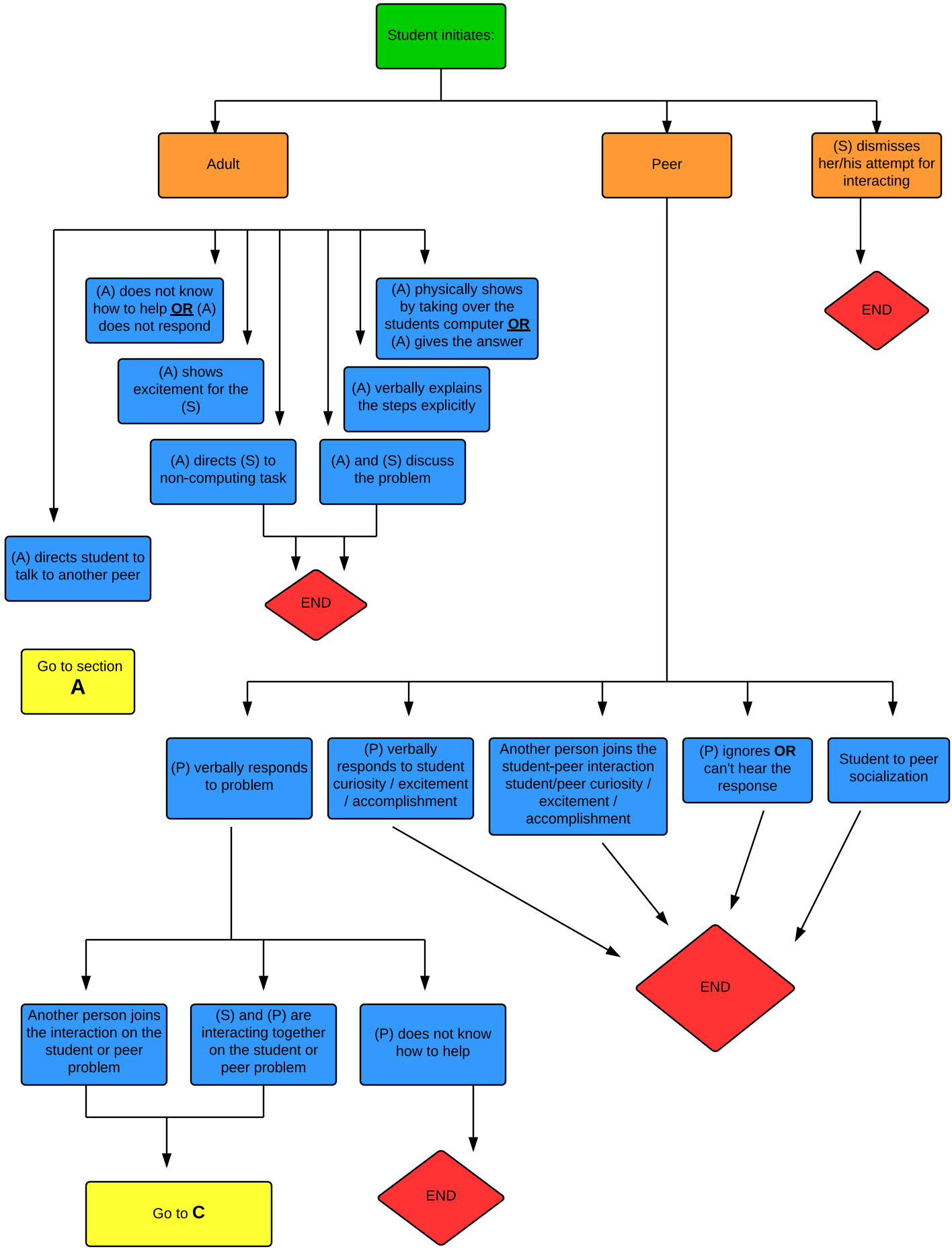
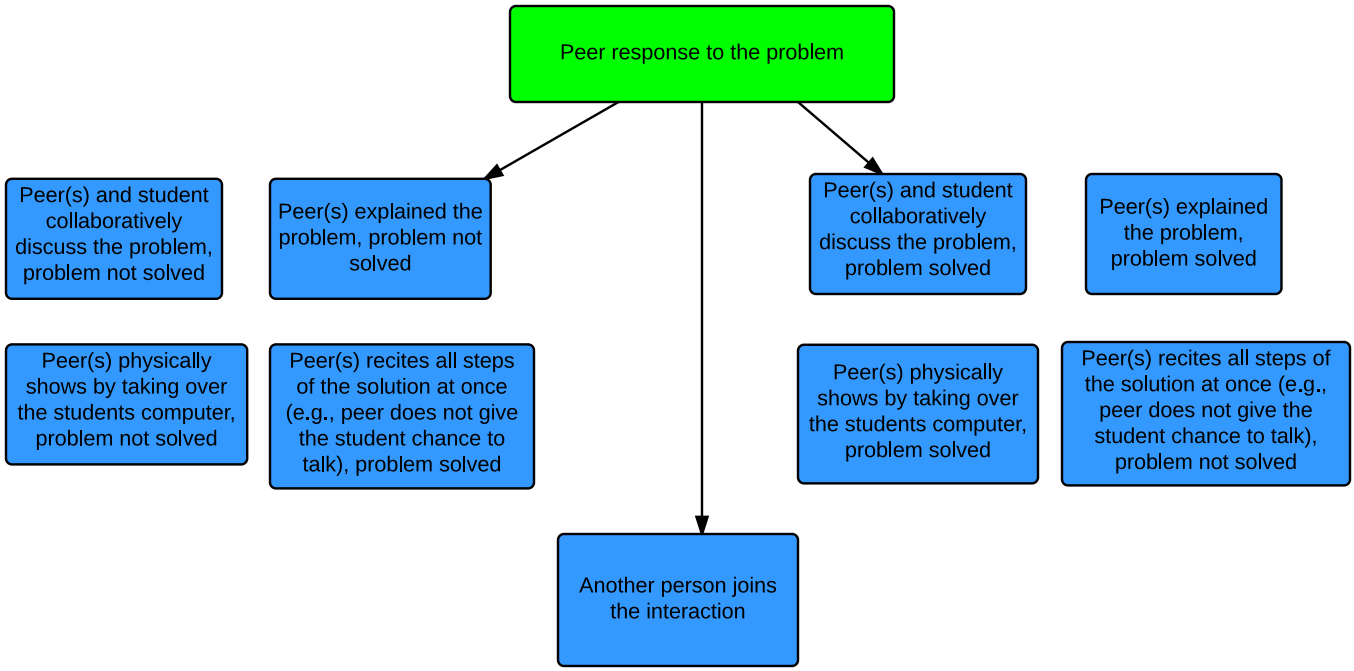
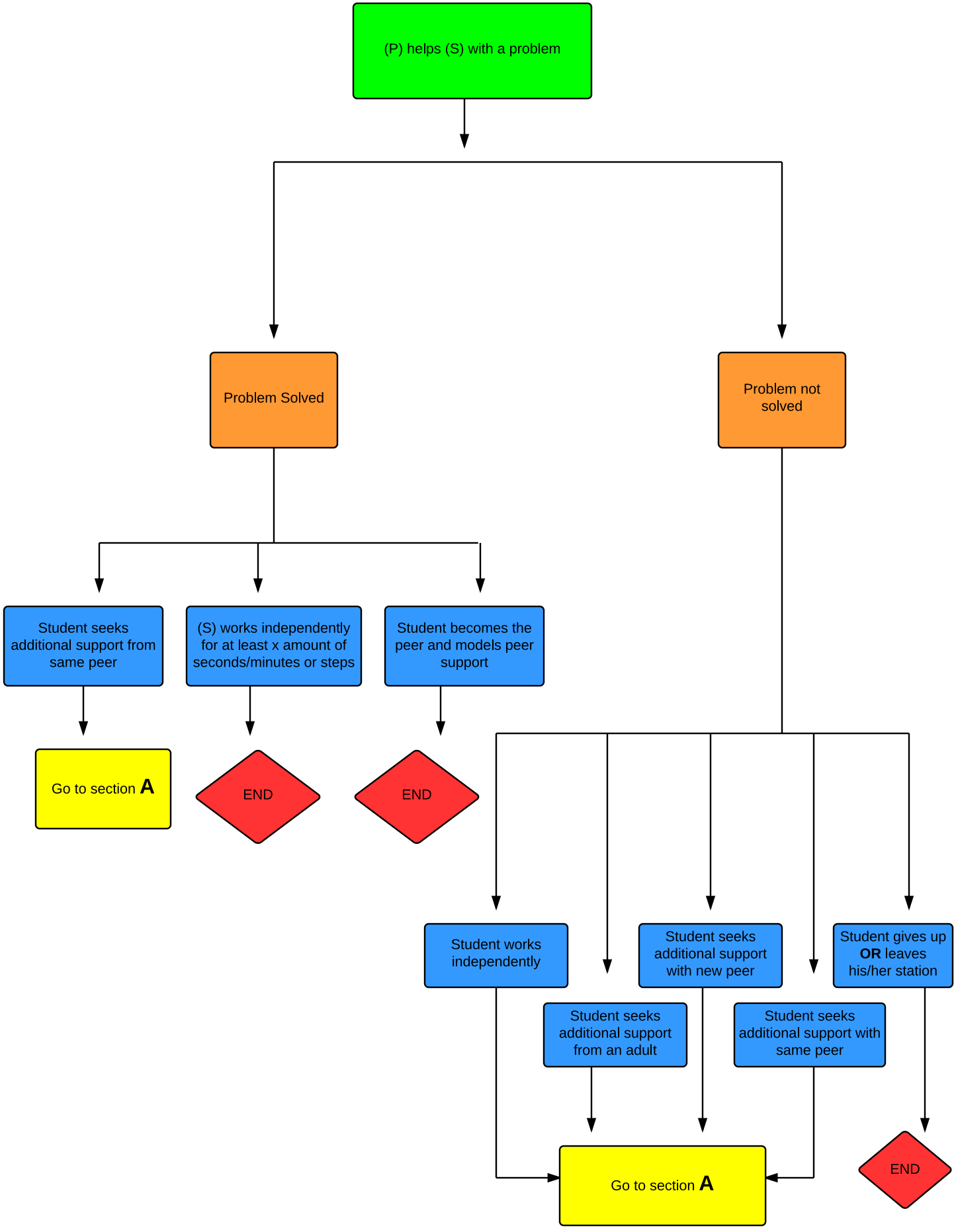
Israel, M., Wherfel, Q., & Shehab, S. (2015). Collaborative Computing Observation Instrument Flow Chart

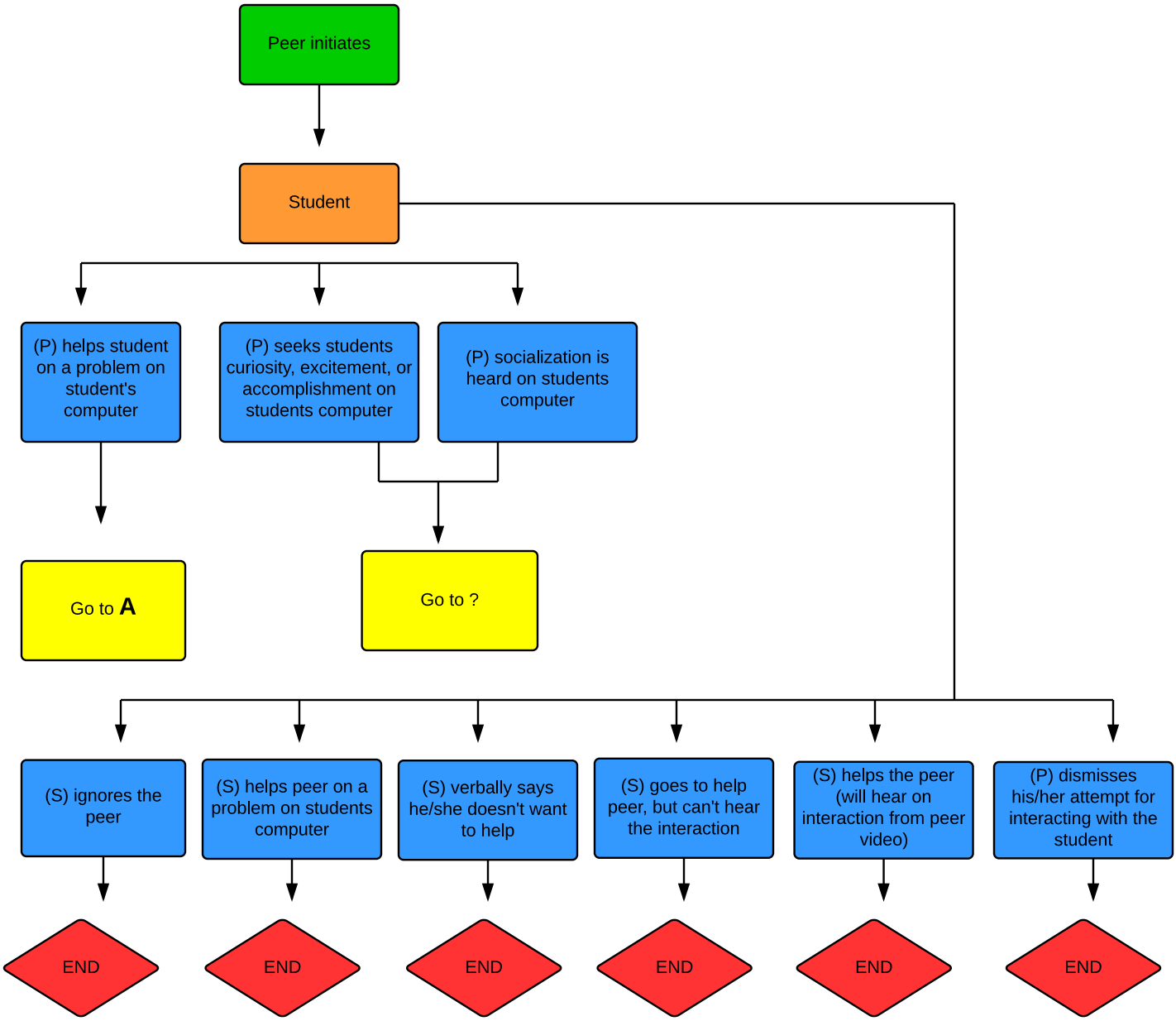


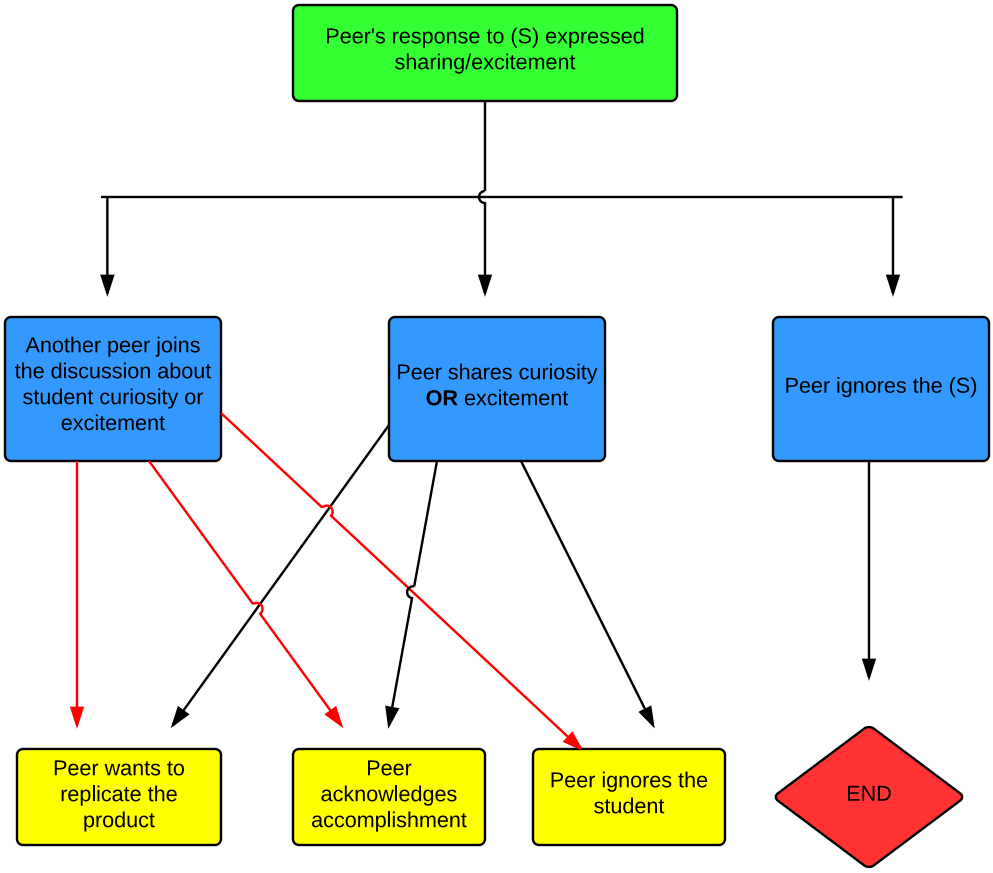

Student initiates:
Adult
Peer
(S) dismisses her/his attempt for interacting
END
(A) does not know how to help OR (A) does not respond
(A) physically shows by taking over the students computer OR (A) gives the answer
(A) shows excitement for the (S)
(A) verbally explains the steps explicitly
(A) directs (S) to non-computing task
(A) and (S) discuss the problem
(A) directs student to talk to another peer
END
Go to section A
(P) verbally responds to problem
(P) verbally responds to student curiosity / excitement / accomplishment
Another person joins the student-peer interaction student/peer curiosity / excitement / accomplishment
(P) ignores OR can't hear the response
Student to peer socialization
END
Another person joins the interaction on the student or peer problem
(S) and (P) are interacting together on the student or peer problem
(P) does not know how to help
Go to C
END

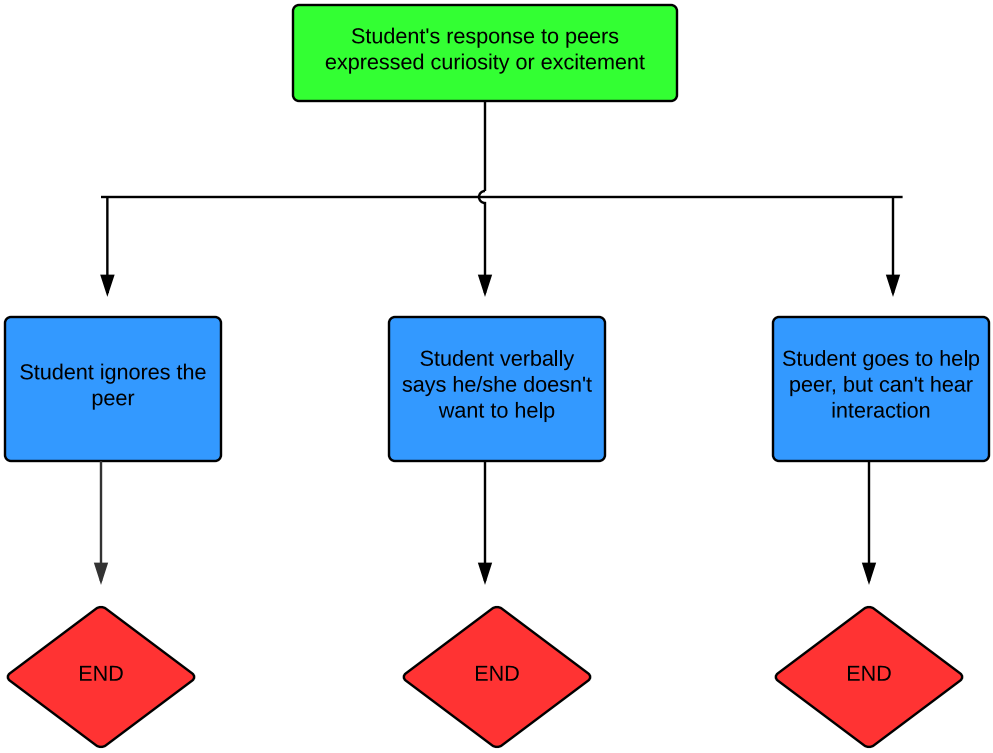


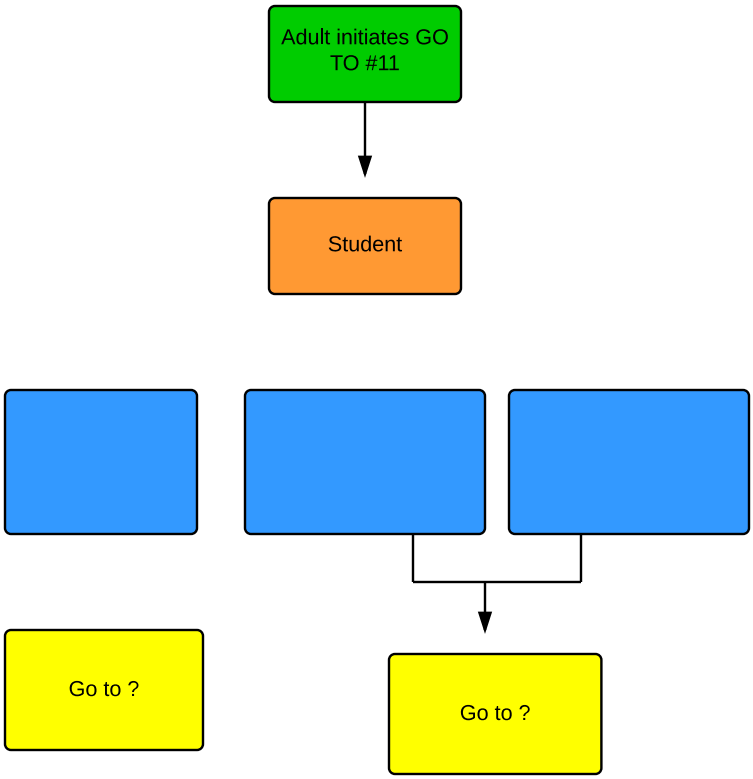

Another person joins the interaction on the student or peer problem

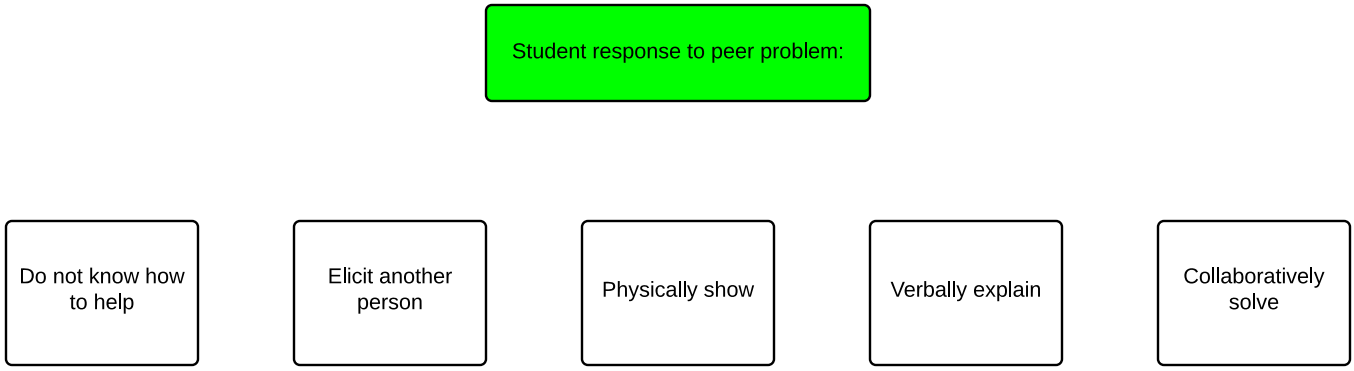

(P) helps (S) with a problem
Problem Solved
Problem not solved
Student seeks additional support from same peer
(S) works independently for at least x amount of seconds/minutes or steps
Student becomes the peer and models peer support
Go to section A
END
END
Student works independently
Student seeks additional support with new peer
Student gives up OR leaves his/her station
Student seeks additional support from an adult
Student seeks additional support with same peer
Go to section A
END


Peer initiates
Student
(P) helps student on a problem on student's computer
(P) seeks students curiosity, excitement, or accomplishment on students computer
(P) socialization is heard on students computer
Go to A
Go to ?
(S) ignores the peer
(S) helps peer on a problem on students computer
(S) verbally says he/she doesn't want to help
(S) goes to help peer, but can't hear the interaction
(S) helps the peer (will hear on interaction from peer video)
(P) dismisses his/her attempt for interacting with the student
END
END
END
END
END
END


Peer's response to (S) expressed sharing/excitement
Another peer joins the discussion about student curiosity or excitement
Peer shares curiosity **OR** excitement
Peer ignores the (S)
Peer wants to replicate the product
Peer acknowledges accomplishment
Peer ignores the student
END


Student's response to peers expressed curiosity or excitement
Student ignores the peer
Student verbally says he/she doesn't want to help
Student goes to help peer, but can't hear interaction
END
END
END


Adult initiates GO TO #11
Student
Go to ?
Go to ?


Student response to peer problem:
Do not know how to help
Elicit another person
Physically show
Verbally explain
Collaboratively solve