[Part (d) was on a separate sheet.]

(d) For the case (b) above of the line short circuited at one end,

(i) where would you place a resistor so as to suppress the lowest frequency resonance of the line, but leave the next higher frequency resonance approximately unchanged?

(ii) what fraction of all resonances would this resistor then suppress?

[Part (e) was on another separate sheet.]

(e) What would happen to the resonances on the line in case (a) above (both ends open circuit) if I cut a very small gap in the electrical conductors in the middle of the line? What would happen as I made the gap larger?

[Note: Most students got through parts (a) through (c) with some help. The more successful students got through most of part (d). Only a very few students got to start thinking about part (e).]