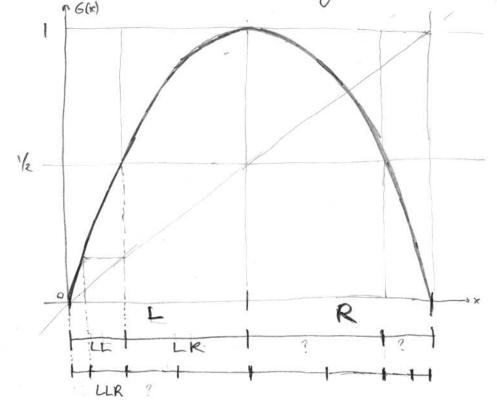
MATH 53 WORKSHEET

WORKSHEET: Itineranies

(0/5/07) Bernett.

e) Label all level-3 itinerary subintervals for G(x) = 4x(1-x):



(first do level-2)

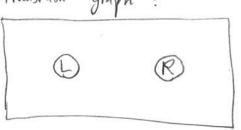
e level 3.

b) What do predict the ording for level-4 intervals is?

(stop when bored)

Try to come up with a general rule.

c) Transition graph:



· draw an arrow from Q-18 in the box if its possible to follow L by R in an itinerary.

· What does this imply about the sets f(L) and R? (use Γ, U, C, D, etc

· Add all other possible arrows to the graph.

d) Consider to with itin. LRLLRRLR

Come up with an itin. subinterval which lies in LRLLRR but maps > 4 from the eventually

(How many its required

MATH 53 WORKSHEET: Itineranies (0/5/07 Bernett. - SOCUTIONS e) Label all level-3 itiherary subintervals for G(x) = 4x(1-x): last leter always eycles: {L, R, R, L} Also see book \$1.8. first do level-2) LL LR PRR PRL LIL LIR LIRK LKL RRL RRR RURKLL e level 3. when remove 1st letter, It is leve note who remove 1st letter, it's Just the level-2 in same order in ocuerace b) What do predict the ording for level-4 intervals is? (stop when bored) see above: the tray is that under 6, as subintered maps to its word with first letter removed. 9) Transition graph: · draw an arrow from ()- (B) in the box if its possible to follow L by R in an itinerary. f(R) = R · What does this imply about the sets f(L) and R? (use n, u, c, o, etc · Add all other possible arrows to the graph. Come up with an itin. LRLLRRLR yo ELRLRRR but maps 3 to from Xo eventually