1	PATE:N
sar	n a microbiology experiment, the bacteria count (m ten members) apple of tap water left over time t (days) is modelled by the function:
f(i)	$=\frac{4t}{t^2-4t+12}$ , while the bacteria count (in ten thousands) in a sample of <b>pond</b>
wa	ter left over time <b>t</b> (days) is modelled by the function: $g(t) = \frac{8t}{t^2 - 3t + 20}$
	what <b>time interval(s)</b> will the number of bacteria in the <b>tap water exceed</b> the bacteria count in the <b>pond water</b> ?  **(+) > 9(+)  **(+) > 9(+)  **(+) > 9(+)
	4+ 3+ 3+ 420 = + 12+3+160 = + 12+3+160 = + 12+3+160
47	$\frac{(+2-3++20)}{(+2-3++20)} > \frac{(+2-4++15)(+2-3++20)}{(+2-3++20)}$
(4+	(+2-4++13)(+3-3+ +20) (8+3-35+3+96+) 20
12.20miles market	(+2-4++13)(+2-3++20) [On The topumater has
-4	13+2012-16+  13+2012-16+  13+2012-16+  more backerson in it
(+	2-42+17)(+2-3++70) between the intervent
(	ox land 4 days.
	F <sup>2</sup> -5++4)
12.	4+1721C73+3++70) >0 XE(1,4)
Aug Especial Company	1-4)(+-1)
	++13/(+2-3++20)
70	noreal (-00,0)(0,1)(1,4)(4,00) 3=3
+2-1	1+13 + + +
+5-	3+ +20 + + + +
_	(-4+) +

1/2 5 2

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