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-	. 1 . 1.1
-	Homeworks
	1 The same of the
The state of the s	I. This will urtimately result in an empty
-	set. The set could go up to infinity but there
7	1s no integer n such as n=n+1.
	2. This set only contains palindromes. It
	would have an infinite amount of palindrome
-	Strings.
79	
	3.1)={(1,6)(1,7)(1,8)(1,9)(1,10)(2,6)
	(27)(20)(1,4)(1,4)(1,10)
-	(2,7)(2,8)(2,9)(2,10)(3,6)(3,7)(3,8)(3,9)
7	(3,10)(4,6)(4,7)(4,8)(4,9)(4,16)(5,6)(5,7)
-	(5,2)(5,9)(5,10)}
-	R={10,10,10,10,10,7,8,9,10,6,7,7,
	8,8,9,9,8,7,6,10,6,6,6,6,6,6,
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0	4. f(4) = 7, g(4,7) is equal to 8 from
-	the table.
-	7.10 0.0000
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9	
0	
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Disase: The assumption that $\frac{1}{5}$ $\frac{1}{1}$ = $\frac{1}{1}$ $\frac{$ $= \frac{k^2 + 2k + 1}{(k+1)(k+2)} = \frac{(k+1)(k+1)}{(k+2)(k+1)} = \frac{(k+1)}{(k+2)}$ This means the statement halds at L=K+I and n < k+1 and n+1 < k+2 so at all ingers n. 2. OBose: If n=1, $|3|=|\frac{n(n+1)}{2}|^2=|\frac{2}{2}|^2=1$ Dinductive Hypothesis: The assumption that $= (\frac{k(k+1)}{2})^2$ Binductive step: $= (\frac{3}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=(\frac{k(k+1)}{2})^2=($ $\frac{k^{4}+2k^{3}+k^{2}}{2+k^{3}+3k^{2}+3k+1} = \frac{k^{4}}{2}+2k^{3}+\frac{7}{2}k^{2}+3k+1 = \frac{((1x+1)(k+2))^{2}}{2}$ This means the statment holds at i=k+1 and N 5k +1 and N+1 5k+2 so at all integers n.