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\\\\infty } { a \_ { n } x ^ { n } }$$的收敛半径不小于1.n=0(Ⅱ)证明(1-x)S\'(x)-xS(x)=0(x∈(-1,1)),并求S(x)的表达式.","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":944},{"x":1654,"y":944},{"x":1654,"y":1623},{"x":0,"y":1623}]],"pos\_list":[[{"x":47,"y":944},{"x":1600,"y":944},{"x":1600,"y":1311},{"x":47,"y":1311}]],"element\_list":[{"type":0,"text":"(19)(本题满分10分)","pos\_list":[[{"x":53,"y":979},{"x":418,"y":978},{"x":418,"y":1010},{"x":53,"y":1011}]],"content\_list":[{"type":1,"prob":99,"string":"(19)(本题满分10分)","option":"","pos":[{"x":53,"y":979},{"x":418,"y":978},{"x":418,"y":1010},{"x":53,"y":1011}]}]},{"type":0,"text":"若$$a \_ { 0 } = 1 , a \_ { 1 } = 0 , a \_ { n + 1 } = \\\\frac { 1 } { n + 1 } \\\\left( n a \_ { n } + a \_ { n - 1 } \\\\right) \\\\left( n = 1 , 2 , 3 , \\\\cdots \\\\right) , S \\\\left( x 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= \\\\left( a \_ { 1 } , a \_ { 2 } , a \_ { 3 } \\\\right)$$ $$\\\\alpha \_ { 3 } = \\\\alpha \_ { 1 } + 2 \\\\alpha \_ { 2 } .$$(I)证明r(A)=2;(Ⅱ)若$$\\\\beta = \\\\alpha \_ { 1 } + \\\\alpha \_ { 2 } + \\\\alpha \_ { 3 } 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