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}$$是某二阶常系数非齐次线性微分方程的3个解,则该方程的通解为y=.\_\_\_\_","pos\_list":[[{"x":64,"y":181},{"x":1593,"y":181},{"x":1593,"y":285},{"x":64,"y":285}]],"content\_list":[{"type":1,"prob":99,"string":"(10)已知","option":"","pos":[{"x":64,"y":190},{"x":212,"y":190},{"x":212,"y":225},{"x":64,"y":225}]},{"type":2,"prob":99,"string":"$$y \_ { 1 } = e ^ { 3 x } - x e ^ { 2 x } , y \_ { 2 } = e ^ { x } - x e ^ { 2 x } , y \_ { 3 } = - x e ^ { 2 x 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}$$,x”的和函数.(I)证明S\'(x)-S(x)=0;(Ⅱ)求S(x)的表达式.","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":1166},{"x":1654,"y":1166},{"x":1654,"y":1770},{"x":0,"y":1770}]],"pos\_list":[[{"x":50,"y":1166},{"x":1597,"y":1166},{"x":1597,"y":1480},{"x":50,"y":1480}]],"element\_list":[{"type":0,"text":"(16)(本题满分10分)","pos\_list":[[{"x":53,"y":1177},{"x":406,"y":1177},{"x":406,"y":1209},{"x":53,"y":1209}]],"content\_list":[{"type":1,"prob":99,"string":"(16)(本题满分10分)","option":"","pos":[{"x":53,"y":1177},{"x":406,"y":1177},{"x":406,"y":1209},{"x":53,"y":1209}]}]},{"type":0,"text":"设数列出$$\\\\left\\\\{ a \_ { n } \\\\right\\\\}$$满足条件:$$a \_ { 0 } = 3 , a \_ { 1 } = 1 , a \_ { n - 2 } - n \\\\left( n - 1 \\\\right) a \_ { n } = 0 \\\\left( n \\\\ge 2 \\\\right) , S \\\\left( x \\\\right)$$,S(x)是幂级数$$\\\\sum \_ { = 0 } ^ { \\\\infty } { a \_ { n } } x ^ { n 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