

SAMSUNG

GSM TELEPHONE

GT-N7100

***SERVICE* Manual**

GSM TELEPHONE



CONTENTS

1. Safety Precautions
2. Specification
3. Product Function
4. Exploded View and Parts list
5. MAIN Electrical Parts List
6. Level 1 Repair
7. Level 2 Repair
8. Level 3 Repair
9. Reference data

Notice: All functionality, features, specifications, and other product information provided in this document, including but not limited to, benefits, design, pricing, components, performance, availability, and capabilities of the product are subject to change without notice. Samsung reserves the right to alter this document or the product described herein at anytime, without obligation to provide notification of such changes.

Samsung Note 2 Owners Manual

Victor M. Corman

A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the author's name.

Samsung Note 2 Owners Manual:

If you ally habit such a referred **Samsung Note 2 Owners Manual** ebook that will provide you worth, get the categorically best seller from us currently from several preferred authors. If you want to droll books, lots of novels, tale, jokes, and more fictions collections are after that launched, from best seller to one of the most current released.

You may not be perplexed to enjoy every book collections Samsung Note 2 Owners Manual that we will definitely offer. It is not vis--vis the costs. Its approximately what you compulsion currently. This Samsung Note 2 Owners Manual, as one of the most working sellers here will completely be among the best options to review.

<https://crm.avenza.com/data/publication/index.jsp/polaris%20ranger%204ho%20manual.pdf>

Table of Contents Samsung Note 2 Owners Manual

1. Understanding the eBook Samsung Note 2 Owners Manual
 - The Rise of Digital Reading Samsung Note 2 Owners Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Samsung Note 2 Owners Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Samsung Note 2 Owners Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Samsung Note 2 Owners Manual
 - Personalized Recommendations
 - Samsung Note 2 Owners Manual User Reviews and Ratings
 - Samsung Note 2 Owners Manual and Bestseller Lists
5. Accessing Samsung Note 2 Owners Manual Free and Paid eBooks

- Samsung Note 2 Owners Manual Public Domain eBooks
 - Samsung Note 2 Owners Manual eBook Subscription Services
 - Samsung Note 2 Owners Manual Budget-Friendly Options
6. Navigating Samsung Note 2 Owners Manual eBook Formats
- ePub, PDF, MOBI, and More
 - Samsung Note 2 Owners Manual Compatibility with Devices
 - Samsung Note 2 Owners Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Samsung Note 2 Owners Manual
 - Highlighting and Note-Taking Samsung Note 2 Owners Manual
 - Interactive Elements Samsung Note 2 Owners Manual
8. Staying Engaged with Samsung Note 2 Owners Manual
- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Samsung Note 2 Owners Manual
9. Balancing eBooks and Physical Books Samsung Note 2 Owners Manual
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Samsung Note 2 Owners Manual
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Samsung Note 2 Owners Manual
- Setting Reading Goals Samsung Note 2 Owners Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Samsung Note 2 Owners Manual
- Fact-Checking eBook Content of Samsung Note 2 Owners Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
- Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Samsung Note 2 Owners Manual Introduction

In the digital age, access to information has become easier than ever before. The ability to download Samsung Note 2 Owners Manual has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Samsung Note 2 Owners Manual has opened up a world of possibilities. Downloading Samsung Note 2 Owners Manual provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Samsung Note 2 Owners Manual has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Samsung Note 2 Owners Manual. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Samsung Note 2 Owners Manual. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Samsung Note 2 Owners Manual, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Samsung Note 2 Owners Manual has transformed the way we access information. With the convenience, cost-

effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Samsung Note 2 Owners Manual Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Samsung Note 2 Owners Manual is one of the best book in our library for free trial. We provide copy of Samsung Note 2 Owners Manual in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Samsung Note 2 Owners Manual. Where to download Samsung Note 2 Owners Manual online for free? Are you looking for Samsung Note 2 Owners Manual PDF? This is definitely going to save you time and cash in something you should think about.

Find Samsung Note 2 Owners Manual :

polaris ranger 4ho manual

polaroid one step manual

polaris sportman 700 800 efi 2005 service repair manual

polaroid sun 60lms repair guide

polaris ranger rZR 2011 factory service repair manual

polaris rush owners manual

polaris sportsman 400 manual 2013

polaris sportsman 500 wiring diagram

polaroid a50start guide

polaris xpress 300 400 atv digital workshop repair manual 1996 1998

polaris sportsman 500 4 wheeler manual

polaris virage parts manual

polaris classic 500

polaris ranger 700 xp hd 2009 factory service repair manual

polaris indy snowmobile 1996 1998 factory service manual

Samsung Note 2 Owners Manual :

tales from africa puffin classics kindle edition amazon ca - Nov 12 2022

web select the department you want to search in

tales from africa puffin classics english edition ebook amazon de - Aug 09 2022

web tales from africa puffin classics english edition ebook kojo k p amazon de kindle shop

tales from africa puffin classics eurekabookstore com - Apr 05 2022

web tales from africa puffin classics rate and review k p kojo author

tales from africa puffin classics kindle edition amazon in - Jan 14 2023

web hello sign in account lists returns orders cart

9780141373072 tales from africa abebooks kojo k p - Mar 16 2023

web a collection of hugely entertaining stories drawn from the rich folklore of many countries throughout africa and brought sparkingly to life with humour and rhyme by ghanaian author nii ayikwei parkes writing under the name used for his children s work k p kojo find out how selfish lion gets his comeuppance go to a frog wedding in the

puffin book of classic indian tales amazon in - Feb 03 2022

web jan 14 2002 the puffin book of classic indian tales for children is a glorious celebration of the richness and diversity of indian myths and folktales accompanied by stunning illustrations by some of the best artists in the country this book is a must for every bookshelf read more previous page print length 208 pages language

amazon co uk customer reviews tales from africa puffin classics - Dec 13 2022

web find helpful customer reviews and review ratings for tales from africa puffin classics at amazon com read honest and unbiased product reviews from our users

tales from africa puffin classics paperback by k p kojo - Sep 10 2022

web a collection of hugely entertaining stories drawn from the rich folklore of many countries throughout africa and brought sparkingly to life with humour and rhyme tales from africa puffin classics paperback by k p kojo

buy tales from africa puffin classics book online at low prices - Oct 11 2022

web amazon in buy tales from africa puffin classics book online at best prices in india on amazon in read tales from africa puffin classics book reviews author details and more at amazon in free delivery on qualified orders

tales from africa puffin classics kindle edition amazon com - Jul 20 2023

web aug 3 2017 tales from africa puffin classics kindle edition by kojo k p download it once and read it on your kindle device pc phones or tablets use features like bookmarks note taking and highlighting while reading tales from africa puffin classics *tales from africa puffin classics kindle edition amazon com au* - May 18 2023

web tales from africa puffin classics ebook kojo k p amazon com au kindle store

tales from shakespeare puffin classics amazon in - Jan 02 2022

web charles lamb 1775 1834 was an english essayist best known for his essays of elia and for the children s book tales from shakespeare which he produced along with his sister mary lamb dame judi dench is one of the world s most celebrated actresses she has won numerous major awards for work on both stage and screen including an academy

puffin classics 94 books goodreads - Apr 17 2023

web jan 12 2015 the tale of troy puffin classics the tale of troy by roger lancelyn green score 222 and 3 people voted tales from africa by k p kojo goodreads author pseudonym really liked it 4 00 avg rating

puffin classics timeless tales from mar amazon in - Jun 07 2022

web amazon in buy puffin classics timeless tales from mar book online at best prices in india on amazon in read puffin classics timeless tales from mar book reviews author details and more at amazon in free delivery on qualified orders

tales from africa kojo k p amazon co uk books - Aug 21 2023

web his second and latest is tales from africa penguin a new addition to the puffin classics series with tales from the forests of madagascar to the deserts of libya k p kojo spends his time in ghana and the united kingdom

tales from africa puffin classics kindle edition amazon co uk - Jun 19 2023

web tales from africa is a collection of folktales brought to life with humour and poetry by ghanaian author k p kojo find out how selfish lion gets his comeuppance go to a frog wedding in the sky kingdom discover the days when the earth s creatures were all mixed up and much more in these brilliantly crafted tales which reflect the very best

tales from africa puffin classics ebook amazon in - May 06 2022

web tales from africa puffin classics ebook kojo k p amazon in kindle ☐ ☐ ☐

tales from africa puffin classics on onbuy - Jul 08 2022

web a collection of hugely entertaining stories drawn from the rich folklore of many countries throughout africa and broughtsparklingly to life with

9780141373072 tales from africa puffin classics abebooks - Feb 15 2023

web a collection of hugely entertaining stories drawn from the rich folklore of many countries throughout africa and brought sparklingly to life with humour and rhyme by ghanaian author nii ayikwei parkes writing under the name used for his children s work k p kojo find out how selfish lion gets his comeuppance go to a frog wedding in the

tales from africa puffin classics by k p kojo - Mar 04 2022

web aug 18 2023 tales from africa puffin classics the canterbury tales puffin classics paperback book au african fairy tales folk tales amp myths tales from africa booktrust puffin classics etsy 100 must read classic books as chosen by our readers mrpsworldhistory the canterbury tales puffin classics by geoffrey chaucer favourite

loading interface goodreads - Jan 31 2022

web 2 days ago britney spears describes what it was like living under conservatorship i became a child robot exclusive i had been so infantilized that i was losing pieces of

gm s cruise upgrades robotaxis after crash with firetruck - Jun 23 2021

web 10 hours ago korean baseball league introduces automated ball strike system for 2024 as mlb mulls future with robot umps the kbo will adopt the automated ball strike system

fears of employee displacement as amazon brings robots into - Jul 25 2021

web 2 days ago britney spears in 2019 britney spears is owning her narrative in an exclusive interview with people magazine to promote her forthcoming memoir the woman in me

kraftwerk i was a robot kindle edition - Apr 14 2023

web this is a first hand account of human life inside the robot factory a world that i could barely have imagined as a 16 year old kraftwerk fan stranded in a suburb on the wrong side of

britney spears felt like a child robot in conservatorship - Nov 28 2021

web ai was told to design a robot that could walk within seconds it generated a small squishy and misshapen thing that spasms kai xiang teo sam kriegman an assistant professor

kraftwerk i was a robot für wolfgang 1947 free download - Aug 18 2023

web may 15 2017 wolfgang flür was vital cog in the kraftwerk machine galvanising the group s electric drum sound throughout the 1970 s and propelling the rhythmic backbone

kraftwerk i was a robot wolfgang flür netgalley - May 03 2022

web jun 5 2017 buy kraftwerk i was a robot by wolfgang flur from waterstones today click and collect from your local

waterstones or get free uk delivery on orders over 25

kraftwerk i was a robot wolfgang flür google books - Jul 17 2023

web wolfgang flür was a vital cog in the kraftwerk machine galvanising the group s electric drum sound throughout the 1970 s and propelling the rhythmic backbone of iconic

kraftwerk i was a robot kindle edition amazon ca - Dec 10 2022

web may 15 2017 i was a robot is a detailed evocative account written in flür s no nonsense style it takes us from his youth into the band s formation and touring of their influential

kraftwerk i was a robot by wolfgang flur waterstones - Mar 01 2022

web 2 days ago as of october 17th 2023 we ve started testing not a bot a new subscription method for new users in two countries this new test was developed to bolster our

kraftwerk i was a robot wolfgang flur 9781785585807 - Apr 02 2022

web discover and share books you love on goodreads

missy cummings a top robotics expert is elon musk s worst - Oct 28 2021

web 1 day ago amazon announced a new robotic system dubbed sequoia designed to let employees pick and place products in their ergonomic power zones eliminating the

kraftwerk i was a robot by wolfgang flür ebook ebooks com - Aug 06 2022

web wolfgang flür sanctuary 2003 rock musicians 415 pages the story they tried to ban from the courts can now be told in the second edition of this book wolfgang flur the

not a bot twitter help center - Dec 30 2021

web the purveyors of robot taxis argue that cummings is wrong for a bunch of reasons chiefly they say the numbers for human crashes are actually undercounts lots of fender

amazon unveils sequoia warehouse robotics system and - Aug 26 2021

web october 12 2023 at 3 16 pm pdt cruise llc the robotaxi company owned by general motors co said its fleet is now better equipped to deal with emergency vehicles

britney spears recalls feeling like a child robot under cnn - May 23 2021

web 978 1785585807

kraftwerk i was a robot extended version paperback - Mar 13 2023

web may 15 2017 i was a robot is a detailed evocative account written in flür s no nonsense style it takes us from his youth into the band s formation and touring of their influential

kraftwerk i was a robot by wolfgang flür archive org - Feb 17 2021

kraftwerk i was a robot flur wolfgang amazon com au - Sep 07 2022

web may 15 2017 i was a robot is a detailed evocative account written in flür s no nonsense style it takes us from his youth into the band s formation and touring of their influential

kraftwerk i was a robot apple books - Feb 12 2023

web may 15 2017 wolfgang flür was vital cog in the kraftwerk machine galvanising the group s electric drum sound throughout the 1970 s and propelling the rhythmic backbone

kraftwerk i was a robot by wolfgang flür ebook scribd - Oct 08 2022

web this book is the final word on kraftwerk their continued influence and what it felt like to be a man machine this is a first hand account of human life inside the robot factory a

kraftwerk i was a robot kindle edition amazon co uk - Jan 11 2023

web kraftwerk i was a robot is the full insider s story of this legendary act as told by the band s original drummer from their early days in dusseldorf to the band s implosion in

kraftwerk i was a robot overdrive - Jul 05 2022

web may 15 2017 wolfgang flür was vital cog in the kraftwerk machine galvanising the group s electric drum sound throughout the 1970 s and propelling the rhythmic backbone

kraftwerk i was a robot amazon ca - Mar 21 2021

web may 30 2003 buy kraftwerk i was a robot 2 by flur wolfgang isbn 9781860744174 from amazon s book store everyday low prices and free delivery on

korean baseball league introduces automated ball strike system - Apr 21 2021

web apr 6 2022 kraftwerk i was a robot by wolfgang flür addeddate 2022 04 06 04 13 00 identifier kraftwerk i was a robot wolfgang flur identifier ark ark 13960 s2fz8d9g103

kraftwerk i was a robot paperback 30 may 2003 - Jan 19 2021

kraftwerk i was a robot wolfgang flür google books - Jun 16 2023

web published may 15th 2017 by omnibus press revised edition kindle edition 432 pages more details want to read rate this book 1 of 5 stars 2 of 5 stars 3 of 5 stars 4 of 5 stars

kraftwerk i was a robot 9781785585807 abebooks - Nov 09 2022

web wolfgang flür kraftwerk i was a robot paperback 5 august 2017 by wolfgang flur author 4 3 107 ratings see all formats and editions

editions of kraftwerk i was a robot by wolfgang flür goodreads - May 15 2023

web kraftwerk i was a robot is the full insider s story of this legendary act as told by the band s original drummer from their early days in dusseldorf to the band s implosion in

kraftwerk i was a robot wolfgang flür google books - Jun 04 2022

web description for kraftwerk i was a robot paperback kraftwerk i was a robot is the full insider s story of this legendary act as told by the band s original drummer from their

kraftwerk i was a robot by wolfgang flür goodreads - Sep 19 2023

web flür wolfgang 1947 kraftwerk musical group rock musicians germany biography publisher london sanctuary collection inlibrary printdisabled internetarchivebooks

watch why this robot could save your life one day business - Sep 26 2021

web 20 hours ago the robot which can walk forwards backwards and sideways and can crouch is 5ft 9in 175cm tall and weighs 143lbs 65kg it can carry up to 35lbs 16kg

poetry unit test review quizizz - Dec 05 2022

web similes and metaphors 3 8k plays poetry unit test review quiz for 6th grade students find other quizzes for english and more on quizizz for free

poetry unit test answers key orientation sutd edu sg - May 30 2022

web poetry unit test answers key poetry unit test answers key turnitin technology to improve student writing block 3 unit 2 reading concept and types classzone thing 3 words wheel of fortune answers teaching materials using literature in the efl esl psychometric test with answers puneet ghanshani what is legal offense code dis

poetry unit post assessment teacher answer key mcgrath - Aug 13 2023

web poetry unit post assessment teacher answer key poetry unit post assessment answer key 1 poetry is a distinct literary genre what makes it different from other written forms of expression such as science writing novels short stories students might respond with the following note responses might not be limited to these

elements of poetry answer key minersville area school district - May 10 2023

web 4 14 2020 elements of poetry answer key helpteaching com helpteaching com tests printkey htm test 233012 1 3 elements of poetry answer key

8th grade poetry unit test quizizz - Nov 04 2022

web 30 seconds 1 pt using the following two lines from the poem a poison tree what do they convey to the reader and i sunned it with smiles and with soft deceitful wiles the speaker s way of pretending to be friendly in order to bring their enemy closer how the sun makes the speaker smile

get the free poetry unit test answer key form pdffiller - Oct 15 2023

web the purpose of a poetry unit test answer is to demonstrate understanding and knowledge of the concepts techniques and elements of poetry that were covered in the unit it allows the teacher to assess the student s comprehension analysis and interpretation skills in relation to various poems

poetry unit test with answer key - Feb 24 2022

web poetry unit test with answer key if you ally need such a referred poetry unit test with answer key books that will meet the expense of you worth acquire the extremely best seller from us currently from several preferred authors if you desire to entertaining books lots of novels tale jokes and more fictions collections are also launched

poetry unit test answer key full pdf cyberlab sutd edu sg - Sep 02 2022

web poetry unit test answer key more level 4 teacher s resource pack with testbuilder cd rom audio cd jan 10 2022 more is a four level course from a highly respected author team that s bursting with features for lower secondary students the teacher s resource pack contains unit tests review tests and term tests as

poetry unit test answers key cyberlab sutd edu sg - Mar 28 2022

web poetry unit test answers key 10th grade math mcqs dec 12 2020 10th grade math mcqs multiple choice questions and answers quiz tests with answer keys covers and job interview prep with answers key practice exam questions and answers about computer science composed from operating systems textbooks on chapters

poetry exam with answers teaching resources teachers pay teachers - Feb 07 2023

web beowulf and anglo saxon poetry test editable with answer key this test covers a little bit of basic anglo saxon history the big three anglo saxon poems the seafarer the wanderer and the wife s lament and of

poetry unit test answer key form fill out and sign printable - Aug 01 2022

web keep to the step by step guidelines listed below to esign your poetry unit test answers key the west wind choose the paper you would like to sign and then click upload choose my signature decide on what kind of electronic signature to generate there are three variants an uploaded drawn or

poetry unit test with answer key harvard university - Jan 06 2023

web it is your enormously own time to pretend reviewing habit in the midst of guides you could enjoy now is poetry unit test with answer key below the differentiated classroom carol ann tomlinson 2014 05 25 although much has changed in schools in recent years the power of differentiated instruction remains the same and the need for

educ 625 poetry unit test answer key docx course hero - Sep 14 2023

web view test prep educ 625 poetry unit test answer key docx from educ 625 at liberty university poetry unit test name date directions read the following poem and answer the ai homework help

poetry test name poetry unit exam part 1 course hero - Jul 12 2023

web the measured arrangement of sounds beats in a poem including the poet's placement of emphasis and the number of syllables per line meter h poetry that does not rhyme or have a measurable meter free verse i examples of this include hissed crackle and splash onomatopoeia j

poetry unit test with answer key full pdf resource svb - Jun 30 2022

web answer key for poetry unit test booklection com literature questions and answers test your understanding with practice problems and step by step solutions browse through all study

poetry unit test and answer key by bridget kennedy tpt - Apr 09 2023

web poetry unit test and answer key rated 4.9 out of 5 based on 6 reviews 4.9

english 1201 poetry pre test answer key matson s classes - Jun 11 2023

web english 1201 poetry pre test answer key use your notes to help you answer each question below work on your own 1

name 3 characteristics of narrative poetry tells a story active and dramatic dialogue foreshadowing and flashback may be used

ballad and epic are examples 2 name 3 characteristics of a lyrical poetry

answer key poetry unit test 2023 support iteadstudio - Apr 28 2022

web list of file answer key poetry unit test page title 1 dreaming in cuban 2 how to teach literature introductory course 3

poetry cooperative learning unit 4 chicago poems 5 a writing kind of day 6 hate that cat 7 love that dog 8 pascal english

workbook 2 9 resources in education 10 enjoying literature 11 how to teach world literature

poetry unit test self grading 20 questions built in answer key tpt - Mar 08 2023

web this unit test is designed to set your mind at ease as you navigate the world of poetry this pre made editable test is

perfect for both in person and virtual classrooms alike the test is 20 questions broken up into 5 sections and assesses student knowledge of poetry the different types of poem

poetry exam quiz test your poetry knowledge proprofs quiz - Oct 03 2022

web aug 17 2023 it involves the use of descriptive words and phrases that evoke sensory experiences such as sight sound taste touch and smell by using imagery poets can make their writing more vivid and engaging allowing readers to visualize the scenes and emotions being portrayed rate this question 11 0