



1 - Cross-head screw, 4 Nm

2 - Brake disc

- ☐ Thickness 25 mm
- ☐ Wear limit: 22 mm
- ☐ Always renew both sides
- ☐ Remove brake caliper prior to removing

3 - Brake pads

- ☐ Thickness 14 mm not including backplate
- ☐ Checking thickness ➤ Maintenance ; Booklet 37
- ☐ Always renew both sides
- ☐ Removing and installing ➤ [page 68](#)
- ☐ Wear limit: 2 mm excluding backing plate

4 - Retaining spring

- ☐ Insert in both holes in brake caliper housing

5 - Brake carrier

6 - Brake caliper

- ☐ Do not disconnect brake hose when changing brake pads
- ☐ Removing:
- ☐ Remove brake pads



N46-0260

# Golf 4 Manual English

**M Carnoy**



**Golf 4 Manual English:**

Fuel your quest for knowledge with Learn from is thought-provoking masterpiece, Explore **Golf 4 Manual English** . This educational ebook, conveniently sized in PDF ( PDF Size: \*), is a gateway to personal growth and intellectual stimulation. Immerse yourself in the enriching content curated to cater to every eager mind. Download now and embark on a learning journey that promises to expand your horizons. .

<https://staging.conocer.cide.edu/files/browse/HomePages/in%20search%20of%20cool%20group%20war%20flight%20homecoming%20in%20northeast%20africa.pdf>

## **Table of Contents Golf 4 Manual English**

1. Understanding the eBook Golf 4 Manual English
  - The Rise of Digital Reading Golf 4 Manual English
  - Advantages of eBooks Over Traditional Books
2. Identifying Golf 4 Manual English
  - 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 Golf 4 Manual English
  - User-Friendly Interface
4. Exploring eBook Recommendations from Golf 4 Manual English
  - Personalized Recommendations
  - Golf 4 Manual English User Reviews and Ratings
  - Golf 4 Manual English and Bestseller Lists
5. Accessing Golf 4 Manual English Free and Paid eBooks
  - Golf 4 Manual English Public Domain eBooks
  - Golf 4 Manual English eBook Subscription Services

- Golf 4 Manual English Budget-Friendly Options
- 6. Navigating Golf 4 Manual English eBook Formats
  - ePub, PDF, MOBI, and More
  - Golf 4 Manual English Compatibility with Devices
  - Golf 4 Manual English Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Golf 4 Manual English
  - Highlighting and Note-Taking Golf 4 Manual English
  - Interactive Elements Golf 4 Manual English
- 8. Staying Engaged with Golf 4 Manual English
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Golf 4 Manual English
- 9. Balancing eBooks and Physical Books Golf 4 Manual English
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Golf 4 Manual English
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Golf 4 Manual English
  - Setting Reading Goals Golf 4 Manual English
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Golf 4 Manual English
  - Fact-Checking eBook Content of Golf 4 Manual English
  - 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

## **Golf 4 Manual English Introduction**

Golf 4 Manual English Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Golf 4 Manual English Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Golf 4 Manual English : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Golf 4 Manual English : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Golf 4 Manual English Offers a diverse range of free eBooks across various genres. Golf 4 Manual English Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Golf 4 Manual English Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Golf 4 Manual English, especially related to Golf 4 Manual English, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Golf 4 Manual English, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Golf 4 Manual English books or magazines might include. Look for these in online stores or libraries. Remember that while Golf 4 Manual English, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Golf 4 Manual English eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Golf 4 Manual English full book , it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Golf 4 Manual English eBooks, including some popular titles.

## FAQs About Golf 4 Manual English 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 webbased 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. Golf 4 Manual English is one of the best book in our library for free trial. We provide copy of Golf 4 Manual English in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Golf 4 Manual English. Where to download Golf 4 Manual English online for free? Are you looking for Golf 4 Manual English PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Golf 4 Manual English. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Golf 4 Manual English are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Golf 4 Manual English. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Golf 4 Manual English To get started finding Golf 4 Manual English, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Golf 4 Manual English So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Golf 4 Manual

English. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Golf 4 Manual English, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Golf 4 Manual English is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Golf 4 Manual English is universally compatible with any devices to read.

### **Find Golf 4 Manual English :**

in search of cool group war flight & homecoming in northeast africa

~~in the unity of the holy spirit~~

~~in shun mies room~~

~~in the fulness of time~~

**in search of roosevelt**

**in search of cigarette holder man**

*in the coming of the world*

~~in their wisdom~~

in the heart of the whole world

in the ocean activity

**in the flight of stars**

**in the magic corridor stories for whole language learning teachers edition**

*in situ soil remediation*

~~in the footsteps of the lincolns~~

**in search of prosperity analytic narratives on economic growth**

### **Golf 4 Manual English :**

**pdf matrix analysis second edition academia edu** - Nov 04 2022

web feb 23 1990 matrix analysis roger a horn charles r johnson cambridge university press feb 23 1990 mathematics 561 pages linear algebra and matrix theory have

**matrix analysis 2nd edition textbook solutions chegg com** - Oct 15 2023



web matrix analysis 2nd edition solutions 2nd edition we have solutions for your book this problem has been solved problem 1p chapter ch1 0 problem 1p use weierstrass s

**solution matrix analysis horn and johnson 2023 speuk spe** - Nov 23 2021

*matrix analysis higher education from cambridge* - Apr 09 2023

web discover matrix analysis 2nd edition roger a horn hb isbn 9780521839402 on higher education from cambridge charles r johnson this second edition of this

**contents** - Dec 05 2022

web 8 positive and nonnegative matrices 517 8 0 introduction 517 8 1 inequalities and generalities 519 8 2 positive matrices 524 8 3 nonnegative matrices 529 8 4 irreducible

**matrix analysis 2nd edition algebra cambridge university press** - Jun 11 2023

web oct 22 2012 the second edition of matrix analysis by horn and johnson is a significant enhancement featuring a large number of recent research results new and illuminating

*github sagisk matrix analysis roger horn and charlie johnson* - Aug 01 2022

web 4 hermitian matrices symmetric matrices and congruences 5 norms for vectors and matrices 6 location and perturbation of eigenvalues 7 positive definite and semi

matrix analysis 2nd solutions to exercises pdf scribd - Sep 14 2023

web matrix analysis 2nd solutions to exercises pdf eigenvalues and eigenvectors matrix mathematics define  $f x x^t a x g x x^t x$  and  $b x r n g x 1$  since

**cambridge university press 978 0 521 46713 1 topics in matrix** - Jan 06 2023

web in this web service cambridge university press cambridge org cambridge university press 978 0 521 46713 1 topics in matrix analysis roger a horn and charles

**second edition 2013 of matrix analysis by horn and johnson** - Jul 12 2023

web posted on january 28 2013 by nick higham posted in books horn and johnson s 1985 book matrix analysis is the standard reference for the subject along with the

*solution matrix analysis horn and johnson florida state* - Dec 25 2021

web solution matrix analysis horn and johnson 2016 08 20 2 11 solution matrix analysis horn and johnson reject societal limitations and follow their dreams this inspiring picture

**matrix analysis anand institute** - Sep 02 2022

web my solutions to the problems of matrix analysis by roger horn and charlie johnson contribute to sagisk matrix analysis

roger horn and charlie johnson development

**chapter 5 5 solutions matrix analysis 2nd edition chegg com** - May 10 2023

web access matrix analysis 2nd edition chapter 5 5 solutions now matrix analysis 2nd edition isbn 13 9780521548236 isbn 0521548233 authors roger a horn charles

matrix analysis 2nd edition solutions and answers quizlet - May 30 2022

web matrix analysis r horn charles r johnson published 1 december 1985 mathematics tldr this new edition of the acclaimed text presents results of both classic and recent

**matrix analysis cambridge university press assessment** - Aug 13 2023

web horn roger a matrix analysis roger a horn charles r johnson 2nd ed p cm includes bibliographical references and index isbn 978 0 521 83940 2 hardback 1

**matrix analysis 2nd edition roger a horn and charles r** - Feb 24 2022

web matrix analysis by horn roger a publication date 1990 topics matrices publisher cambridge england new york cambridge university press johnson charles r

*download matrix analysis by johnson charles r horn roger a* - Jun 30 2022

web find step by step solutions and answers to matrix analysis 9780521839402 charles r johnson roger a horn more textbook info charles r johnson roger a horn

**matrix analysis cambridge university press assessment** - Mar 08 2023

web ando t horn roger a and johnson charles r 1987 the singular values of a hadamard product a basic inequality linear and multilinear algebra vol 21 issue 4 p

*matrix analysis horn roger a johnson charles r* - Mar 28 2022

web jan 1 2013 request pdf matrix analysis 2nd edition roger a horn and charles r johnson book review technometrics 55 3 2013 376 book review find read and

matrix analysis semantic scholar - Apr 28 2022

web for researchers in matrix analysis matrix computations applied linear algebra or computational science this second edition is a valuable book jesse l barlow

matrix analysis roger a horn charles r johnson google - Feb 07 2023

web oct 22 2012 matrix analysis roger a horn charles r johnson cambridge university press oct 22 2012 mathematics linear algebra and matrix theory are fundamental

matrix analysis horn roger a free download borrow and - Jan 26 2022

web first the authors cover their topics in matrix analysis alongside the core subjects in matrix analysis such as singular

value analysis the solution of matrix equations and

**matrix analysis roger a horn charles r johnson google** - Oct 03 2022

web charles r johnson is the author of topics in matrix analysis cambridge university press 1994 matrix analysis second edition roger a horn university of utah matrix

**schlaf gut kleiner wolf sov gott lilla vargen deu august** - Mar 19 2022

web sov gott lilla vargen schlaf gut kleiner wolf svenska tyska ulrich renz 2022 01 21 tvåspråkig barnbok från 2 år svenska tyska med ljudböcker och videor online på

**sov gott lilla vargen schlaf gut kleiner wolf svenska tyska** - Jul 23 2022

web mar 25 2023 buy the book sov gott lilla vargen schlaf gut kleiner wolf svenska tyska by ulrich renz at indigo

**schlaf gut kleiner wolf sov gott lilla vargen deu copy** - Sep 24 2022

web aug 3 2023 wolf sov gott lilla vargen deu an enthralling opus penned by a very acclaimed wordsmith readers embark on an immersive expedition to unravel the

**schlaf gut kleiner wolf** שליף גוט קליינער וולף **deutsch hebräisch** - Jan 29 2023

web ulrich renz barbara brinkmann schlaf gut kleiner wolf lesealter ab 2 jahren erhältlich in über 60 sprachen cornelia haas ulrich renz mein allerschönster traum

**schlaf gut kleiner wolf sov gott lilla vargen deu copy** - Feb 15 2022

web schlaf gut kleiner wolf sov gott lilla vargen deu 1 6 downloaded from uniport edu ng on march 31 2023 by guest gut kleiner wolf sov gott lilla vargen deu that you are

**schlaf gut kleiner wolf sov gott lilla vargen deutsch** - Aug 04 2023

web schlaf gut kleiner wolf sov gott lilla vargen deutsch schwedisch zweisprachiges kinderbuch ab 2 jahren mit hörbuch und video online sefa bilinguale bilderbücher

**sov gott lilla vargen schlaf gut kleiner wolf sve full pdf ai** - Dec 16 2021

web schlaf gut kleiner wolf sov gott lilla vargen deutsch schwedisch sov gott lilla vargen schlaf gut kleiner wolf tvåspråkig barnbok svenska tyska 12

**schlaf gut kleiner wolf sov gott lilla vargen deutsch thalia** - Sep 05 2023

web herzerwärmende gutenachtgeschichte für kinder ab zwei jahren bilinguale ausgabe deutsch und schwedisch mit online hörbüchern und videos in deutsch und

**schlaf gut kleiner wolf somn uşor micule lup deutsch** - Dec 28 2022

web schlaf gut kleiner wolf somn uşor micule lup deutsch rumänisch zweisprachiges kinderbuch ab 2 jahren mit hörbuch und video online sefa bilinguale

[schlaf gut kleiner wolf sov gott lilla vargen deu bill mascull](#) - Oct 26 2022

web recognizing the exaggeration ways to acquire this ebook schlaf gut kleiner wolf sov gott lilla vargen deu is additionally useful you have remained in right site to begin

**[schlaf gut kleiner wolf sov gott lilla vargen deutsch weltbild](#)** - May 01 2023

web schlaf gut kleiner wolf sov gott lilla vargen deutsch schwedisch sefa bilinguale bilderbücher epub zweisprachiges kinderbuch ab 2 jahren mit hörbuch und video

[schlaf gut kleiner wolf sov gott lilla vargen deu pdf eshraaggroup](#) - May 21 2022

web schlaf gut kleiner wolf sov gott lilla vargen deu pdf is available in our book collection an online access to it is set as public so you can download it instantly our book servers

*[schlaf gut kleiner wolf sov gott lilla vargen deutsch](#)* - Oct 06 2023

web schlaf gut kleiner wolf sov gott lilla vargen deutsch schwedisch zweisprachiges kinderbuch mit hörbuch zum herunterladen sefas bilinguale bilderbücher deutsch

**[schlaf gut kleiner wolf sov gott lilla vargen deu pdf free](#)** - Apr 19 2022

web c24b8 schlaf eine erholsame nacht fur mehr kraft im alltag yoga abend routine kraft dehnung entspannung zum ausklang des tages mittelstufe tipps für eine erholsame

**[schlaf gut kleiner wolf sov gott lilla vargen deu pdf uniport edu](#)** - Nov 14 2021

web apr 1 2023 sov gott lilla vargen schlaf gut kleiner wolf svenska tyska ulrich renz 2022 01 21 tvåspråkig barnbok från 2 år svenska tyska med ljudböcker och

*[schlaf gut kleiner wolf sov gott lilla vargen deu pdf](#)* - Aug 24 2022

web apr 26 2023 sov gott lilla vargen schlaf gut kleiner wolf svenska tyska ulrich renz 2020 03 12 tvåspråkig barnbok svenska tyska med ljudbok tim kan inte sova

**[sov gott lilla vargen schlaf gut kleiner wolf zvab](#)** - Feb 27 2023

web sov gott lilla vargen schlaf gut kleiner wolf tvåspråkig barnbok svenska tyska childrens books bilingual com von renz ulrich beim zvab com isbn 10

[schlaf gut kleiner wolf sov gott lilla vargen deutsch apple](#) - Jul 03 2023

web zweisprachiges kinderbuch deutsch schwedisch tim kann nicht einschlafen sein kleiner wolf ist weg hat er ihn vielleicht draußen vergessen ganz allein macht er sich

*[schlaf gut kleiner wolf sov gott lilla vargen deu download](#)* - Jan 17 2022

web schlaf gut kleiner wolf sov gott lilla vargen deu downloaded from tux sydgros dk by guest kash mariana sov gott lilla vargen schlaf gut kleiner wolf svenska

[schlaf gut kleiner wolf sov gott lilla vargen zweisprachiges](#) - Mar 31 2023

web schlaf gut kleiner wolf sov gott lilla vargen zweisprachiges kinderbuch deutsch schwedisch childrens books bilingual com renz ulrich brinkmann barbara

[schlaf gut kleiner wolf sov gott lilla vargen deu pdf](#) - Nov 26 2022

web sov gott lilla vargen schlaf gut kleiner wolf svenska tyska schlaf gut kleiner wolf sov gott lilla vargen deutsch schwedisch schlaf gut kleiner wolf sov godt

**schlaf gut kleiner wolf sov gott lilla vargen deu pdf** - Jun 21 2022

web sov gott lilla vargen schlaf gut kleiner wolf tvasprakig barnbok svenska tyska ulrich renz 2015 10 13 tvasprakig barnbok fran 2 ar tim kan inte sova hans lilla

[schlaf gut kleiner wolf sov godt lille ulv deustc copy](#) - Jun 02 2023

web sov gott lilla vargen schlaf gut kleiner wolf svenska tyska first language attrition use and maintenance sov godt lille ulv schlaf gut kleiner wolf tospraklig

**cat dissection lab labeled images ppt slideshare** - Mar 13 2023

web learn quiz muscles lab cat dissection with free interactive flashcards choose from 4 293 different sets of quiz muscles lab cat dissection flashcards on quizlet

**c at v isual d isse ction g uide vwr international** - Jan 11 2023

web cat dissection a laboratory guide 3rd edition directs readers through a series of dissection activities for use in the lab accompanied by new full color photos and

**cat dissection muscles lab report pdf uniport edu** - Dec 30 2021

**quiz muscles lab cat dissection flashcards and study sets quizlet** - Aug 06 2022

web the cat dissection muscles lab report is universally compatible past any devices to read human anatomy physiology elaine n marieb 2015 01 06 note you are purchasing

**cat dissection lab report studylib net** - Aug 18 2023

web anatomy final review more info download save cat dissection be able to identify these muscles on a cat frontalis muscle on their forehead occipital muscle on the back

[anatomy lab cat dissection descriptions flashcards quizlet](#) - Oct 08 2022

web pk j z content types xml ĘnÃ0 e hüçä jÜ<sup>2</sup> 5í Ç q Àu eü ý Í 3sĩ žh ŃdkÊd jgs6Ì Òv <sup>3</sup> ÙkzĬ ^Â q 9Ûad ñõÕh ó rÛ <sup>3</sup> àÊ 3çÁr pÁ

**cat muscle lab practical practice flashcards quizlet** - Sep 07 2022

web apr 26 2023 cat dissection muscles lab report 3 20 downloaded from uniport edu ng on april 26 2023 by guest reports

contain checklists drawing exercises and questions

**cat dissection muscles lab report pdf neurocme med ucla** - Apr 02 2022

**lab write up cat dissection** - Nov 09 2022

web if you want to download and install the cat dissection muscles lab report it is utterly simple then back currently we extend the partner to purchase and create bargains to

**anatomy final review cat dissection be able to identify these** - Jun 16 2023

web the purpose of this cat dissection is to get a better understanding on the human muscles and to study how similar the cat and human muscles are background introduction

**cat dissection muscles lab report pdf uniport edu** - Nov 28 2021

cat dissection a laboratory guide bennington college - Sep 19 2023

web dissection melt away layers of dissection to reveal individual structures animation view animations of anatomical structures and systems imaging correlate dissected

**catdissectionmuscleslabreport bvpn apns keepsolid** - Jun 04 2022

web apr 5 2023 cat dissection muscles lab report 3 21 downloaded from uniport edu ng on april 5 2023 by guest currently in use in today s lab setting and brand new histology

*cat dissection guide biology libretexts* - May 15 2023

web anatomy lab cat dissection descriptions term 1 54 sternomastoid muscle click the card to flip definition 1 54 the sternomastoid muscle and the more lateral and deeper

labs 1 and 2 muscular system cat dissection photo atlas - Jul 17 2023

web internal organs muscles ventral 1 digastic 2 genoigyoid 3 sternomastoid 4 pectoantebrachialis 5 tensor fasciae antebrachii 6 super cial pectoralis 7 extenal

**catdissectionmuscleslabreport pdf dev sfcg** - May 03 2022

cat dissection muscles lab report copy uniport edu - Oct 28 2021

**cat dissection resources with student guide the** - Dec 10 2022

web dissection anatomy identification and laboratory procedures the illustrated print manual contains 55 a p exercises to be completed in the lab with guidance including

**complete cat dissection student guide the biology** - Feb 12 2023

web 4 cat dissection muscles lab report 2022 03 10 and nutrients by the active muscles because of its large mass and the fact that skeletal muscles receive 25 of the cardiac

*cat dissection lab and notes chem and bio ppt* - Apr 14 2023

web identify the highlighted muscle xiphohumeralis identify the highlighted muscle cat rectus femoris identify the muscle being lifted by the probe cat dissection lab manual allen

*cat dissection muscles lab report 2023 graph safehousetech* - Jul 05 2022

web apr 19 2023 cat dissection muscles lab report 1 15 downloaded from uniport edu ng on april 19 2023 by guest cat dissection muscles lab report when people should go to

pearland independent school district homepage - Mar 01 2022

*cat dissection muscles lab report pdf uniport edu* - Jan 31 2022