- Before birth: fetal right to left shunt
 - a. Alveoli = expanded and filled with FLUID not air

 - Placenta supplies O2 to the fetus + CO2 is carried into the mother
 - Most blood bypasses the fetal lungs through 2 openings = right to left shunt
 - Most highly oxygenated blood goes to the brain + heart
 - e. Pulmonary vessels are tightly constricted = high pulmonary resistance
 - After birth
 - At birth: first breaths help move fluid out of the airways
 - i. Fill with air provides enough O2 (21%) to relax and dilate pulmonary blood vessels
 - b. As blood flows and O2 level increases 2 heart openings for fetal circulation start to close = resolves right to left shunt
 - c. Blood and O2 can now flow as expected
 - Newborn resuscitation = respiratory failure before or after birth, lungs not ventilated, prolonged lack of adequate perfusion and oxygenation = organ damage or death
 - Newborn = cannot resuscitate until the lungs are INFLATED
 - Very few require chest compressions or meds
 - Ventilation of the lungs = MOST important and effective step in neonatal resuscitation
 - d. Need to know how to provide PPV
 - Assess perinatal risk BEFORE birth to identify which newborns will most likely need resuscitation (can get the correct people + equipment ready beforehand)
 - Perinatal risk factors
 - <36 weeks or >41 weeks
 - ii. Preeclampsia/HTN
 - iii. Multiple gestation
 - iv. Fetal anemia
 - v. Fetal macrosomia
 - vi. Intrauterine growth restriction
 - vii. Fetal malformations/anomalies
 - viii. No prenatal care
 - ix. Emergency C-section

Nrp Study Guide Flash

Rob Scrimger, Kelli Adam

Nrp Study Guide Flash:

MCSE Training Guide Rob Scrimger, Kelli Adam, 1999 MCSE candidates can practice taking the TCP IP exam by using the software provided in this book CD ROM The guide offers solid objective based content along with sample questions and exercises to allow the reader to learn the information in depth Scientific and Technical Aerospace Reports, 1969 Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database Handbook of Research-Based **Practices for Educating Students with Intellectual Disability** Karrie A. Shogren, 2016-10-14 The Handbook of Research Based Practices for Educating Students with Intellectual Disability provides an integrated transdisciplinary overview of research based practices for teaching students with intellectual disability This comprehensive volume emphasizes education across life stages from early intervention in schools through the transition to adulthood and highlights major educational and support needs of children and youth with intellectual disability. The implications of history recent research and existing information are positioned to systematically advance new practices and explore promising possibilities in the field Driven by the collaboration of accomplished nationally recognized professionals of varied approaches and philosophies the book emphasizes practices that have been shown to be effective through multiple methodologies so as to help readers select interventions based on the evidence of their effectiveness **Guide to Microforms in Print** ,2009 **New York Times** Saturday Review of Books and Art ,1948 British Books in Print ,1985 Televisions ,1975 Forthcoming Books Rose Arny, 1993-04

When people should go to the ebook stores, search introduction by shop, shelf by shelf, it is in reality problematic. This is why we offer the book compilations in this website. It will unquestionably ease you to look guide **Nrp Study Guide Flash** as you such as.

By searching the title, publisher, or authors of guide you in fact want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be all best place within net connections. If you target to download and install the Nrp Study Guide Flash, it is very easy then, back currently we extend the link to buy and create bargains to download and install Nrp Study Guide Flash so simple!

https://correiodobrasil.blogoosfero.cc/public/book-search/default.aspx/Optimales_Variantenmanagement_Wirtschaftlichkeit_T rotz Variantenwachstum Durch Intelligente Produktplattformen German Edition.pdf

Table of Contents Nrp Study Guide Flash

- 1. Understanding the eBook Nrp Study Guide Flash
 - The Rise of Digital Reading Nrp Study Guide Flash
 - o Advantages of eBooks Over Traditional Books
- 2. Identifying Nrp Study Guide Flash
 - 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 Nrp Study Guide Flash
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Nrp Study Guide Flash
 - Personalized Recommendations
 - Nrp Study Guide Flash User Reviews and Ratings

- Nrp Study Guide Flash and Bestseller Lists
- 5. Accessing Nrp Study Guide Flash Free and Paid eBooks
 - Nrp Study Guide Flash Public Domain eBooks
 - Nrp Study Guide Flash eBook Subscription Services
 - Nrp Study Guide Flash Budget-Friendly Options
- 6. Navigating Nrp Study Guide Flash eBook Formats
 - o ePub, PDF, MOBI, and More
 - Nrp Study Guide Flash Compatibility with Devices
 - Nrp Study Guide Flash Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - $\circ\,$ Adjustable Fonts and Text Sizes of Nrp Study Guide Flash
 - Highlighting and Note-Taking Nrp Study Guide Flash
 - \circ Interactive Elements Nrp Study Guide Flash
- 8. Staying Engaged with Nrp Study Guide Flash
 - o Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Nrp Study Guide Flash
- 9. Balancing eBooks and Physical Books Nrp Study Guide Flash
 - \circ Benefits of a Digital Library
 - Creating a Diverse Reading Collection Nrp Study Guide Flash
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Nrp Study Guide Flash
 - Setting Reading Goals Nrp Study Guide Flash
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Nrp Study Guide Flash
 - Fact-Checking eBook Content of Nrp Study Guide Flash
 - 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

Nrp Study Guide Flash Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In todays fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Nrp Study Guide Flash PDF books and manuals is the internets largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing

financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Nrp Study Guide Flash PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Nrp Study Guide Flash free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Nrp Study Guide Flash 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. Nrp Study Guide Flash is one of the best book in our library for free trial. We provide copy of Nrp Study Guide Flash in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Nrp Study Guide Flash. Where to download Nrp Study Guide Flash online for free? Are you looking for Nrp Study Guide Flash PDF? This is definitely going to save you time and cash in something you should think about.

Find Nrp Study Guide Flash:

optimales variantenmanagement wirtschaftlichkeit trotz variantenwachstum durch intelligente produktplattformen german edition

optimizing supercompilers for supercomputers research monographs in parallel and distributed computing

opera sales and catering training manual

open court decodable books take home leap into phonics

operation servicing and parts manual of greensiron 3000

opel vauxhall zafira repair manual

opel owners manual

operation manual for seadoo jet ski

open source solutions for small business problems networking series

optical fiber communication by john m senior solution manual

operator manual powermate

operating maintenance manual

operation werewolf forum

openlab manual

operating manual lionel vw transformer

Nrp Study Guide Flash:

prufungstrainer abschlussprufung it berufe ganzhe - Jul 01 2022

web we would like to show you a description here but the site won t allow us

usdt trx payment gateway - Aug 02 2022

web success bordering to the declaration as well as perception of this prufungstrainer abschlussprufung it berufe ganzhe can be taken as capably as picked to act unfu k

prufungstrainer abschlussprufung it berufe ganzhe pdf - Feb 25 2022

web as this prufungstrainer abschlussprufung it berufe ganzhe it ends stirring inborn one of the favored ebook prufungstrainer abschlussprufung it berufe ganzhe collections

webmail byu5 domains byu edu - May 31 2022

web dieses buch enthält die beiträge einer tagung die gemeinsam vom fachbereich ausbildung und beruf der gesellschaft für

informatik und dem institut für film und bild

prufungstrainer abschlussprufung it berufe ganzhe pdf - Jun 12 2023

web abschlussprüfung it berufe ganzheitliche aufgabe ii by peter große hering frank stolpmann is moreover handy at last you will absolutely reveal a extra knowledge and

prufungstrainer abschlussprufung it berufe ganzhe uniport edu - Jan 27 2022

web may 25 2023 prufungstrainer abschlussprufung it berufe ganzhe 2 7 downloaded from uniport edu ng on may 25 2023 by guest behavioral economists have explored

prufungstrainer abschlussprufung it berufe ganzhe copy - Apr 29 2022

web apr 28 2023 prufungstrainer abschlussprufung it berufe ganzhe 1 7 downloaded from uniport edu ng on april 28 2023 by guest prufungstrainer abschlussprufung it

prufungstrainer abschlussprufung it berufe ganzhe 2023 - Dec 06 2022

web prüfungstrainer abschlussprüfung it berufe ganzheitliche aufgabe ii by peter große hering frank stolpmann buch in deutsch prüfungstrainer abschlussprüfung

prüfungstrainer it berufe ganzheitliche aufgabe ii - Oct 24 2021

prüfungstrainer abschlussprüfung it berufe ganzheitliche - Nov 05 2022

web prufungstrainer abschlussprufung it berufe ganzhe prufungstrainer abschlussprufung it berufe ganzhe 2 downloaded from

prufungstrainer abschlussprufung it berufe ganzhe uniport edu - Jan 07 2023

web analyse der häufigkeit von ict berufen in der schweiz berufe der ict erscheint regelmässig seit 1986 auf diesen berufsdefinitionen basiert auch die jährliche swissict

online vorbereitung für die ihk abschlussprüfung - Feb 08 2023

web sep 11 2023 prufungstrainer abschlussprufung it berufe ganzhe 2 7 downloaded from uniport edu ng on september 11 2023 by guest management for elementary

prufungstrainer abschlussprufung it berufe ganzhe 2023 - Sep 03 2022

web usdt trx payment gateway

prufungstrainer abschlussprufung it berufe ganzhe pdf - Oct 04 2022

web prufungstrainer abschlussprufung it berufe ganzhe as competently as evaluation them wherever you are now the new parisienne lindsey tramuta $2020\ 07\ 07$ tramuta

prüfungstrainer abschlussprüfung it berufe ganzheitliche - May 11 2023

web es gibt insgesamt drei vorbereitungskurse für die gestreckte it abschlussprüfung vorbereitungskurs zwischenprüfung auch genannt abschlussprüfung teil 1

it trainer aufgaben bewerbung jobs gehalt ausbildung - Mar 09 2023

web du kannst mit prozubi für deine schriftliche prüfung genauso wie für deine mündliche prüfung das sogenannte fallbezogene fachgespräch lernen ganz einfach online mit

prufungstrainer abschlussprufung it berufe ganzhe uniport edu - Mar 29 2022

web may 15 2023 all we give prufungstrainer abschlussprufung it berufe ganzhe and numerous book collections from fictions to scientific research in any way in the midst of

it abschlussprüfung online kurse für azubis der it berufe - Apr 10 2023

web die bruttovergütung liegt bei dieser tätigkeit zwischen 2 700 und 3 000 euro im monat einen ausbildungsplatz zum it trainer wird man nicht finden da es sich um eine

prufungstrainer abschlussprufung it berufe ganzhe copy - Dec 26 2021

web prufungstrainer abschlussprufung it berufe ganzhe 1 6 downloaded from uniport edu ng on may 11 2023 by guest ganzhe this is likewise one of the factors by obtaining the

prüfungstrainer abschlussprüfung it berufe amazon de - Sep 15 2023

web it berufe ganzheitliche aufgaben ii prüfungstrainer abschlussprüfung prüfungstrainer abschlussprüfung prüfungsteil b kernqualifikationen große hering peter

prüfungstrainer abschlussprüfung it berufe ganzheitliche - Jul 13 2023

web may 1 2023 computer prufungstrainer abschlussprufung it berufe ganzhe is to hand in our digital library an online access to it is set as public fittingly you can download it

it berufe ganzheitliche aufgaben ii prüfungstrainer - Aug 14 2023

web ganzheitliche aufgabe ii ist bei allen it berufen identisch daher ist der prüfungstrainer für alle auszubildenden im it bereich geeignet der prüfungstrainer enthält aufgaben aus

prufungstrainer abschlussprufung it berufe ganzhe copy - Nov 24 2021

web sehr ausführlich leider ein wenig zu schwer die fragen orientieren sich nicht ganz an die ihk die prüfungen der abschlussprüfungen sind weitaus einfacher

intellectual disabilities teaching for medical students a scoping - Sep 11 2021

learning to teach geography in the secondary school a - Jul 22 2022

web learning to teach geography in the secondary school has become the widely recommended textbook for student and new

teachers of geography it helps you acquire

learning to teach geography in the secondary school google - Aug 11 2021

learning to teach geography in the secondary school google - Jul 02 2023

web may 20 2015 learning to teach geography in the secondary school has become the widely recommended textbook for student and new teachers of geography

high growth for all kids 4 guidelines for supplemental instruction - Nov 13 2021

web nov 1 2023 background people with intellectual disabilities are a marginalized group whose health experiences and outcomes are poor lack of skill and knowledge in the

learning to teach geography in the secondary school - Feb 26 2023

web analysing phenomena and issues as they go on to learn geography at a higher level of study learning continuity is also strengthened with syllabus content selection across all

subject lead for geography the ferrers school teaching - Oct 13 2021

web learning to teach geography in the secondary school a companion to school experience david lambert david balderstone routledge 2010 geography 455

learning to teach geography in the secondary school google - Mar 30 2023

web learning to teach geography in the secondary school provides intending and practising teachers of geography with the practical skills to design teach and evaluate varied and

geography in the news weekly quiz 6 november 2023 - Dec 15 2021

web nov 3 2023 we are striving for the very best for our students and we are focussed on and passionate about learning the ferrers school is part of the successful meridian trust

learning to teach geography in the secondary school - Oct 05 2023

web may 27 2015 learning to teach geography in the secondary school has become the widely recommended textbook for student and new teachers of geography it helps you

learning to teach geography in the secondary school a - Nov 25 2022

web focus on each theory in more depth when it is relevant to the aspect of geography teaching you are working on and follow up the readings that are listed refer to table

learning to teach geography in the secondary school - Apr 30 2023

web learning to teach geography in the secondary school provides intending and practising teachers of geography with the practical skills to design teach and evaluate varied and

learning to teach geography in the secondary school a - Oct 25 2022

web may 21 2015 learning to teach geography in the secondary school a companion to school experience learning to teach subjects in the secondary school series

learning theories and geography geographical association - Sep 23 2022

web learning to teach geography in the secondary school a companion to school experience biddulph mary lambert david balderstone david amazon sg books

how to teach geography to secondary school students 2023 - Jan 16 2022

web nov 2 2023 1 practice good grouping a key structural component of supplemental instruction for all is the formation of small groups while long term tracking by ability has

teaching geography in secondary school teachers perceptions - Feb 14 2022

web 17 hours ago this quiz is based on current news from a geographic perspective this quiz will suit students from upper primary school to upper high school a new quiz is

teaching and learning s lower secondary ministry of - Sep 04 2023

web beyond prescribing geographical knowledge and skills the syllabuses are designed to enable students development of important competencies necessary for them to thrive in

geography ministry of education moe - Dec 27 2022

web may 20 2015 the main thrust of this study was to find out the extent of application of the new technologies in teaching and learning geography in secondary schools in nigeria

learning to teach geography in the secondary school google - Jun 01 2023

web dec 7 2020 learning to teach geography in the secondary school a companion to school experience mary biddulph david lambert david balderstone routledge dec 7

pdf learning to teach geography in the secondary scho - Mar 18 2022

web oct 31 2023 this article will explore some best practices for teaching geography to secondary school students including planning the curriculum using technology

learning to teach geography in the secondary school - Aug 03 2023

web 7 rows aug 21 2012 learning to teach geography in the secondary school has become the widely recommended textbook for

learning to teach geography in the secondary school learning - Aug 23 2022

web aug 22 2009 learning to teach geography in the secondary school has become the widely recommended textbook for student and new teachers of geography it helps them

learning to teach geography in the secondary school a - Jun 20 2022

web learning to teach geography in the secondary school provides intending and practising teachers of geography with the practical skills to design teach and evaluate varied and

learning to teach geography in the secondary school a - May 20 2022

web learning to teach geography in the secondary scho making every lesson count may 22 2022 packed with practical teaching strategies making every lesson count

learning to teach geography in the secondary school a - Apr 18 2022

web oct 27 2019 the results from our study contradicts the findings of dhakal 2019 which states that physical geography should be taught as a very practical subject as it adds

learning to teach geography in the secondary school google - Jan 28 2023

web learning to teach geography in the secondary school a companion to school experience third edition biddulph mary amazon sg books

easton financial statement analysis module 2 solutions pdf - Oct 04 2022

web financial statement analysis business valuation easton financial statement analysis modulefi nancial statement analysis valuation is intended for use in a financial statement analysis and or valuation course in which profitability analysis and security valuation are emphasized

easton financial statement analysis module 2 solutions - Aug 02 2022

web easton financial statement analysis module 2 solutions downloaded from mcf strathmore edu by guest laurel beatrice financial accounting for mbas john

easton financial statement analysis module 2 solutions pdf - Oct 24 2021

easton financial statement analysis module 2 solutions - Nov 05 2022

web may 18 2023 easton financial statement analysis module 2 solutions 2 7 downloaded from uniport edu ng on may 18 2023 by guest reading tests the third edition

easton financial statement analysis module 2 solutions pdf - Sep 03 2022

web apr 28 2023 easton financial statement analysis module 2 solutions is available in our digital library an online access to it is set as public so you can get it instantly our

financial statement analysis valuation 6e - Feb 08 2023

web easton financial statement analysis module 2 solutions right here we have countless book easton financial statement analysis module 2 solutions and collections to

easton financial statement analysis module 2 solutions - Sep 22 2021

what does easton mean definitions net - Dec 26 2021

web easton financial statement analysis module test bank for financial statement analysis and valuation financial statement analysis valuation 5e easton

easton financial statement analysis module 2 solutions - Mar 09 2023

web solution manual for financial statement analysis and valuation 2e easton 100 00 50 00 50 sale solution manual for financial statement analysis and valuation

doc solution manual for financial statement - May 11 2023

web success next door to the notice as capably as insight of this easton financial statement analysis module 2 solutions can be taken as skillfully as picked to act financial

easton financial statement analysis module 2 solutions pdf - Mar 29 2022

web get the complete library of on demand training and 2 live coaching sessions with matt easton every week have questions we are here to help call us anytime at 800 628

easton financial statement analysis module 2 solutions the - Apr 10 2023

web 2 easton financial statement analysis module 2 solutions 2022 01 21 cash flows example indirect method fa 50 horizontal analysis fa 48 statement of cash

easton financial statement analysis module 2 solutions qa1 - Feb 25 2022

web definition of easton in the definitions net dictionary meaning of easton what does easton mean information and translations of easton in the most comprehensive dictionary

easton financial statement analysis module 2 solutions pdf pdf - Nov 24 2021

web as this easton financial statement analysis module 2 solutions it ends stirring subconscious one of the favored ebook easton financial statement analysis module

easton financial statement analysis module 2 solutions - May 31 2022

web apr 9 2023 easton financial statement analysis module 2 solutions 1 6 downloaded from uniport edu ng on april 9 2023 by guest easton financial statement analysis

solution manual test bank for financial statement analysis - Jul 13 2023

web nov 19 2020 solution manual test bank for financial statement analysis valuation 6th edition by easton test bank solutions ebook for financial statement analysis

solutions and test bank for financial statement analysis - Aug 14 2023

web solutions manual module 1 1 the income statement covers a an income statement reports whether the business has earned a net income also called profit or earnings or

solution manual for financial statement analysis and valuation - Jan 07 2023

web this is just one of the solutions for you to be successful as understood finishing does not recommend that you have astounding points comprehending as well as deal even more

easton financial statement analysis module 2 solutions robert - Dec 06 2022

web financial statement analysis module 2 solutions is available in our digital library an online right of entry to it is set as public suitably you can download it instantly

easton financial statement analysis module 2 solutions copy - Jun 12 2023

web easton financial statement analysis module 2 solutions 1 easton financial statement analysis module 2 solutions financial statement analysis valuation by peter d

easton financial statement analysis module 2 solutions - Jul 01 2022

web currently this easton financial statement analysis module 2 solutions as one of the most full of life sellers here will categorically be in the middle of the best options to

easton financial statement analysis module 2 solutions pdf - Apr 29 2022

web we give easton financial statement analysis module 2 solutions and numerous ebook collections from fictions to scientific research in any way among them is this easton

easton university - Jan 27 2022

web easton financial statement analysis module 2 solutions pdf pages 2 25 easton financial statement analysis module 2 solutions pdf upload mia y williamson 2 25