Package 'iemiscdata'

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Title Irucka Embry's Miscellaneous Data Collection

Version 0.6.1

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Depends R (>= 2.14.1)

Suggests install.load, iemisc, ie2misc, ie2miscdata, rivr, rvest, data.table, stringi, qdap, knitr, rmarkdown

Description Miscellaneous data sets [Engineering Economics, Environmental/ Water Resources Engineering, US Presidential Elections].

URL https://gitlab.com/iembry/iemiscdata

BugReports https://gitlab.com/iembry/iemiscdata/issues

License GPL (>= 3)

LazyData true

Encoding UTF-8

RoxygenNote 5.0.1

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

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R topics documented:

`i1` *1 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i1
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"
F/P Future value given present value
P/F Present value given future value
F/A Future value given annual value
P/A Present value given annual value
A/F Annual value given future value
A/P Annual value given present value
P/G Present value given gradient
A/G Annual value given gradient
n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i1
```

`i10` *10 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i10
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i10
```

`i12` *12 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i12
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i12
```

i15 *15 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i15
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i15
```

i18 *18 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i18
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i18
```

i1_50 *1 1/2 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i1_50
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i1_50
```

i2 *2 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i2
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i2
```

i20 *20 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i20
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i20
```

i25 *25 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i25
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i25
```

i3 *3 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i3
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i3
```

i4 *4 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i4
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i4
```

i5 *5 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i5
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i5
```

i6 *6 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i6
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i6
```

i7 *7 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i7
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i7
```

i8 *8 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i8
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i8
```

i9 *9 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i9
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i9
```

iemiscdata *iemiscdata: Irucka Embry's miscellaneous data collection*

Description

iemiscdata provides an eclectic set of data sets [Engineering Economics, Environmental/Water Resources Engineering, US Presidential Elections, etc.].

i_25 *1/4 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i_25
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"
F/P Future value given present value
P/F Present value given future value
F/A Future value given annual value
P/A Present value given annual value
A/F Annual value given future value
A/P Annual value given present value
P/G Present value given gradient
A/G Annual value given gradient
n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i_25
```

i_50 *1/2 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i_50
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i_50
```

i_75 *3/4 Percent Effective Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "effective interest rate" and period.

Usage

```
i_75
```

Format

A data.table data frame with 34 rows and 10 variables:

n The "number of interest periods"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

A/F Annual value given future value

A/P Annual value given present value

P/G Present value given gradient

A/G Annual value given gradient

n The "number of interest periods"

References

1. William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.
2. Masoud Olia, Ph.D., P.E. and Contributing Authors, *Barron's FE (Fundamentals of Engineering Exam)*, 3rd Edition, Hauppauge, New York: Barron's Educational Series, Inc., 2015, page 178-187.

Examples

```
i_75
```

nchannel *Manning's n for Channels*

Description

A table containing the type of channel and description along with the minimum, normal, and maximum value of n, if it exists. n is the "Gauckler- Manning coefficient (commonly called Manning's n)" and it's dimensionless. Source: Manning formula.

Usage

```
nchannel
```

Format

A data.table data frame with 97 rows and 4 variables:

Type of Channel and Description Type of channel name and any descriptive information

Minimum n Minimum n value

Normal n Normal n value

Maximum n Maximum n value

References

1. This data is from FishXing Version 3.0 Beta (2006) by Michael Furniss, Michael Love, Susan Firor, Kathleen Moynan, Antonio Llanos, Jeff Guntle, and Robert Gubernick. See http://www.fsl.orst.edu/geowater/FX3/help/8_Hydraulic_Reference/Mannings_n_Tables.htm. The original data source is Ven Te Chow, *Open-Channel Hydraulics*, New York City, York: McGraw-Hill, 1959.
2. Wikimedia Foundation, Inc. Wikipedia, 26 November 2015, "Manning formula", https://en.wikipedia.org/wiki/Manning_formula.

Examples

```
nchannel
```

nmetalpipe *Manning's n for Corrugated Metal Pipe*

Description

A table containing the type of channel and description along with the minimum, normal, and maximum value of n, if it exists. n is the "Gauckler- Manning coefficient (commonly called Manning's n)" and it's dimensionless. Source: Manning formula.

Usage

```
nmetalpipe
```

Format

A data.table data frame with 25 rows and 2 variables:

Type of Pipe and Diameter and Corrugation Dimension Name of the type of conduit and any descriptive information

n Manning's n

References

1. This data is from FishXing Version 3.0 Beta (2006) by Michael Furniss, Michael Love, Susan Firor, Kathleen Moynan, Antonio Llanos, Jeff Guntle, and Robert Gubernick. See http://www.fsl.orst.edu/geowater/FX3/help/8_Hydraulic_Reference/Mannings_n_Tables.htm. The original data source is Ven Te Chow, *Open-Channel Hydraulics*, New York City, York: McGraw-Hill, 1959.
2. Wikimedia Foundation, Inc. Wikipedia, 26 November 2015, "Manning formula", https://en.wikipedia.org/wiki/Manning_formula.

Examples

```
nmetalpipe
```

npartfull *Manning's n for Closed Conduits Flowing Partly Full*

Description

A table containing the type of channel and description along with the minimum, normal, and maximum value of n, if it exists. n is the "Gauckler- Manning coefficient (commonly called Manning's n)" and it's dimensionless. Source: Manning formula.

Usage

```
npartfull
```

Format

A data.table data frame with 38 rows and 4 variables:

Type of Conduit and Description Type of conduit name and any descriptive information

Minimum n Minimum n value

Normal n Normal n value

Maximum n Maximum n value

References

1. This data is from FishXing Version 3.0 Beta (2006) by Michael Furniss, Michael Love, Susan Firor, Kathleen Moynan, Antonio Llanos, Jeff Guntle, and Robert Gubernick. See http://www.fsl.orst.edu/geowater/FX3/help/8_Hydraulic_Reference/Mannings_n_Tables.htm. The original data source is Ven Te Chow, *Open-Channel Hydraulics*, New York City, York: McGraw-Hill, 1959.
2. Wikimedia Foundation, Inc. Wikipedia, 26 November 2015, "Manning formula", https://en.wikipedia.org/wiki/Manning_formula.

Examples

```
npartfull
```

---

pres_elect1 *Wikipedia Table of the United States of America Presidential Elections*

Description

A table containing the results of the US Presidential Elections.

Usage

```
pres_elect1
```

Format

A data.table data frame with 57 rows and 25 variables:

Election year Year(s) of the election

Election year begin The year the election began

Election year end The year the election ended

Winner Winner's name

Winner Party Winner's political party

Winner Electoral Votes 1 Number of winner's electoral votes

Winner Electoral Votes 2 Number of winner's electoral votes

Major Candidate1 Candidate1's name

Major Candidate1 Party Candidate1's political party

Major Candidate1 Electoral Votes Number of Candidate1's electoral votes

Major Candidate2 Candidate2's name

Major Candidate2 Party Candidate2's political party

Major Candidate2 Electoral Votes Number of Candidate2's electoral votes

Major Candidate3 Candidate3's name

Major Candidate3 Party Candidate3's political party

Major Candidate3 Electoral Votes Number of Candidate3's electoral votes

Major Candidate4 Candidate4's name

Major Candidate4 Party Candidate4's political party

Major Candidate4 Electoral Votes Number of Candidate4's electoral votes

Major Candidate5 Candidate5's name

Major Candidate5 Party Candidate5's political party

Major Candidate5 Electoral Votes Number of Candidate5's electoral votes

Major Candidate6 Candidate6's name

Major Candidate6 Party Candidate6's political party

Major Candidate6 Electoral Votes Number of Candidate6's electoral votes

Details

"Notes regarding the special characters used in the table: * Winner received less than an absolute majority of the popular vote.

References

Wikimedia Foundation, Inc. Wikipedia, 10 February 2016, "United States presidential election", https://en.wikipedia.org/wiki/United_States_presidential_election.

Examples

```
pres_elect1
```

r10 *10 Percent Nominal Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "nominal annual interest rate, compounded continuously" and period.

Usage

```
r10
```

Format

A data.table data frame with 44 rows and 6 variables:

n The "number of periods (years)"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

n The "number of periods (years)"

References

William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.

Examples

```
r10
```

r20 *20 Percent Nominal Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "nominal annual interest rate, compounded continuously" and period.

Usage

```
r20
```

Format

A data.table data frame with 44 rows and 6 variables:

n The "number of periods (years)"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

n The "number of periods (years)"

References

William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.

Examples

```
r20
```

---

r8 *8 Percent Nominal Interest Table (Engineering Economy)*

Description

A table containing the number of periods and the corresponding engineering economic value given the "nominal annual interest rate, compounded continuously" and period.

Usage

```
r8
```

Format

A data.table data frame with 44 rows and 6 variables:

n The "number of periods (years)"

F/P Future value given present value

P/F Present value given future value

F/A Future value given annual value

P/A Present value given annual value

n The "number of periods (years)"

References

William G. Sullivan, Elin M. Wicks, and C. Patrick Koelling, *Engineering Economy*, Fourteenth Edition, Upper Saddle River, New Jersey: Pearson/Prentice Hall, 2009, page 625-647.

Examples

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r8
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