CoCoA-5 - Support #1688

Release CoCoA 5.4.2

13 Jun 2022 15:15 - John Abbott

Status:	In Progress	**Start date:**	13 Jun 2022
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Release	**Estimated time:**	0.00 hour
Target version:	CoCoA-5.4.2	**Spent time:**	0.20 hour

Description

Everything for the release

```
CHECK FOR BUGS
    Compile with --debug flag, and check that everything runs OK.
    In src/CoCoA-5/ run make ManExamples, and check that everything is OK.



Redmine Roadmap: close or postpone issue
    Redmine Release issues: check percentages, check timings
    Last check to CoCoALib doc, CoCoA-5 doc and RelNotes, TranslationTable.
    Finalize



version number for CoCoALib release: configuration/version
    version number for CoCoA-5 release: CoCoA-5/release-files/version
    cvs checkout in snapshot dir



cd snapshotdir
    configure --again
    make
    cd src/CoCoA-5
    time make doc
    time make ManExamples (~4min, and search "ERROR:" in ManExamples-out)
    ls-lt CoCoAManual/html



RELEASE FOR MAC FOR LINUX

cd src/CoCoA-5/release-files
    ./release-mac.sh (local)
    ./release-linux.sh (on virtual machine 64-bit and on 32-bit)



RELEASE COCOALIB

~/shell-scripts/cocoalib-cvs-snapshot
    ---- make release for CoCoALib ----



RELEASE FOR WIN

copy cocoalib tgz on windows virtual machine
    compile windows text version on virtual machine, copy CoCoAInterpreter from SharedFolder into
local dir
    ./release-win.sh
```

```
        (ask someone for windows gui version...)



WEBSITE

update /Volumes/WWW/webcocoa/download/download5.shtml
    update /Volumes/WWW/webcocoa/download/RelNotes.shtml
    [[http://cocoa.dima.unige.it/download/RelNotes.shtml]]



upload manual
    publish manual (arXiv? ResearchGate?)



close release on Redmine



---> send message to facebook page
---> send email
---> update list with undelivered emails
```

History

#1 - 13 Jun 2022 15:16 - John Abbott

Here is a list of the main changes (from CoCoA 5.4.0)

- added new fn **IsEmpty** as syntactic sugar
- added new fn **NewPolyRingWeights**
- added new fn **RandomNBitPrime**
- added new fn **CatalanNumber**
- added new fns **CyclotomicTest** and **CyclotomicIndex** -- they are similar but different
- added new fns **IsLRSDegenerate**, **IsLRSDegenerateOrder** *(all by Nico Mexis)* Also **LRSDegeneracyOrder** and **LRSDegerancyOrders**
- added new fn **IsPalindromic** (for univariate polys)
- fn **cyclotomic** is now built-in (and a bit faster)
- fn **IsCoprime** slightly altered
- added new fn **CoprimeFactor**
- added new fn **IsPrimitivePoly**
- added new fn **AllFactors** (for small integers)
- revised impl of **HadamardBoundSq** with different field names in result!

#2 - 13 Jun 2022 15:35 - Redmine Admin

- Tracker changed from Bug to Support

- Status changed from New to In Progress

#3 - 14 Feb 2023 21:29 - John Abbott

VIETNAM

We should decide what to complete before the School in Vietnam.
The (pretty hard) deadline should be 10th March... just over 3 weeks away!

I can spend only some time in the evening, or at weekends.