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(d) in the case of DesignWare, share Design Databases with a Licensed Design Partner only to allow the Licensed Design Partner to work cooperatively on your Design to the extent permitted by its own DesignWare license (but not sublicense or assign any of your rights in the DesignWare to such Licensed Design Partner);
(e) in the case of ARC Software Development Products, use this Licensed Product, during the License Term, solely for the purpose of creating, debugging, and profiling executable software source code for execution on a System-on-Chip with an embedded ARC microprocessor or on a model of such System-on-Chip;
(f) in the case of ARC MQX Products, until you discontinue the sale and distribution of the applicable ARC MQX Licensee Products, use the ARC MQX Products to (i) customize the Board Support Package Features in the ARC MQX Product solely as necessary for use with your ARC MQX Licensee Product; (ii) create and support an ARC MQX Licensee Executable; (iii) if you have purchased a license to the â€œclosed system licenseâ€ version of an ARC MQX Product, then you may distribute, solely in or with an ARC MQX Licensee Product, an ARC MQX Licensee Executable that does not expose, directly or indirectly, any APIs of the ARC MQX Product; and (iv) if you have purchased a license to the â€œbinaryâ€ version of an ARC MQX Product, then you may additionally distribute to ARC MQX End Customers only that portion of the Documentation necessary for ARC MQX End Customers to access the APIs, provided that such ARC MQX End Customers are obligated not to expose any of the APIs to their customers or any other third parties.
(g) make a reasonable number of copies of the Licensed Product solely for backup or archival purposes; and
(h) make a reasonable number of copies of the Documentation for the Licensed Product, and use the Documentation solely to support your use of the Licensed Product.
1.5. Implementation IP License: In addition, when you are granted a license to any Implementation IP, you will have a nonexclusive right to:
(a) integrate the Implementation IP into your Designs to create one or more Integrated Designs;
(b) make, use, and sell physical implementations (commonly referred to as semiconductor chips) of one or more of the Integrated Designs;
(c) distribute the Implementation IP in netlist or GDSII format as part of any of your Integrated Designs to any third party that provides foundry services to you, solely for the purpose of having that foundry make physical implementations of one or more of entire Integrated Designs of yours, as long as the third-party foundry is subject to confidentiality obligations regarding the Implementation IP that are no less restrictive than the

confidentiality obligations in this agreement; and

(d) if you purchased from Synopsys the right to use certain Implementation IP in source code format, you may modify that Implementation IP in support of your development of Integrated Designs.

1.6. Node-Locked License. If you have obtained the Licensed Product under a node-locked license, then a â€œnodeâ€ refers to a specific machine and the License Product may be installed only on the number of nodes indicated on the applicable Synopsys Purchasing Agreement, must be used only on the node(s) on which it is installed, and may be accessed only by users who are physically present at that node. Further, a node-locked license may only be used by one (1) user at a time running one (1) instance of the Licensed Product at a time.

1.7. Evaluation Licenses: If you obtain an evaluation license for a Licensed Product, you will have the same license rights as described above except that you may use the Licensed Product only for the purpose of evaluating it and deciding whether to purchase a license to use it for production purposes. You shall not use the Licensed Product to design any integrated circuits for production or pre-production purposes or any other commercial use including, but not limited to, for the benefit of your customers. If you breach the forgoing restrictions, then you shall pay to Synopsys a license fee equal to Synopsysâ€™s perpetual list price plus maintenance for the commercial version of the Licensed Product. You agree that damages for such a breach would be difficult to assess, and such payment represents a reasonable assessment of the potential damage to Synopsys. You recognized and agree that this amount is a reasonable, liquidated amount and not a penalty. Also, evaluation copies of Licensed Products are provided â€œAS ISâ€. Therefore the warranty and indemnification provisions in this agreement do not apply to evaluation licenses.

1.8. End Users: You may designate any of your employees whose primary work location is in the designated Use Area as End Users.

1.9. Use Area; Telecommuting Employees; Use Over a WAN: You must ensure that your End Users use the Licensed Product only when they are in the designated Use Area, except that any End User who is your employee, whose primary work location is in the designated Use Area, and whose primary residence is within 50 miles of the designated Use Area, may access the Licensed Product from his primary residence through a secure network that requires a secure ID card or other more protective security safeguards. If you have purchased the right to use a Licensed Product over your wide area network (commonly referred to as a â€œWANâ€), then unless the Purchasing Agreement states otherwise, the Licensed Product may be used by your End Users who are located at any of your facilities worldwide (if you purchased the right to use over a global WAN) or at any of your facilities on the same continent on which your Key Server is located (if you purchased the right to use over a continental WAN). This section 2.6 does not apply to Licensed Products obtained under a node-locked license as referenced in section 2.3.

1.10. Key Servers; Hardware Relocation: You may not permanently relocate a Key Server outside of the designated Use Area without obtaining written approval from Synopsys. If a Key Server becomes inoperative due to malfunction, repair, or maintenance, you may request Synopsysâ€™s permission to set up and temporarily use a single back-up Key Server on another computer in the same Use Area until the original Key Server returns to service.

1.11. Conditions: Your right to use the Licensed Product is conditioned upon your timely payment of the full amount of Fees due for the Licensed Product and your compliance with the terms and conditions of this agreement. When the License Term expires, your license rights also expire and you may no longer use the Licensed Product.

1.12. Restrictions: You may not (and may not allow anyone else to):

(a) copy or use any Licensed Product (or Documentation) in any manner that is not expressly allowed by the license rights stated above;

(b) decompile, reverse engineer, or otherwise attempt to derive the source code for any Licensed Product or any underlying algorithms, user interface techniques, or other ideas embodied in a Licensed Product;

(c) tamper with, or attempt to circumvent or disable, any License Key (this includes, for example, resetting the CPU time in order to extend the License Term, or using a false host ID number or additional virtualized copy(ies) of the host ID number to enable unauthorized copies of a License Key);

(d) distribute any copy of a Licensed Product (or Documentation) except as expressly allowed by the license rights stated above, or allow anyone other than your End Users to have access to or use (such as in a timesharing, service bureau, or application service provider model) any Licensed Product;

(e) use a Licensed Product (except ARC MQX Products) or its output to create, modify, or simulate Designs for third parties;

(f) use a Licensed Product or its output to develop or enhance any product that competes with a Synopsys product;

(g) modify or create a derivative work of any part of a Licensed Product or Documentation;

(h) disclose the results of any benchmarking of a Licensed Product (whether or not the results were obtained with assistance from Synopsys) to any third party; or

(i) use a Licensed Product in the development of any product if the failure or malfunction of that product could reasonably be expected to result in personal injury, death, or catastrophic loss.

If the License Key limits the number of End Users who may use a Licensed Product simultaneously or the number of simultaneous Clients, you must ensure that this limit is not exceeded, by platform virtualization or any other means.

1.13. Copies: If you make backup or archival copies of a Licensed Product or Documentation, you must reproduce all copyright, trademark, and other notices that appear on the original copy.

1.14. Transfers and Assignments: You may not transfer or assign your license rights to any other person in any manner (by assignment, operation of law or otherwise) unless you have obtained written consent from Synopsys. If you attempt to transfer or assign any of your license rights without Synopsysâ€™s consent, the transfer or assignment will be ineffective, null, and void (and you will be in material breach of this agreement). For purposes of this section 2.11, a transfer or assignment of your license rights will be deemed to have occurred (a) if a third party (or group of third parties acting in concert) acquires beneficial ownership of fifty percent (50%) or more of either (i) your or a Parent Entityâ€™s assets or (ii) the stock or other equity interests entitled to vote for your or a Parent Entityâ€™s directors or equivalent managing authority,Â or (b) in the event of a merger, consolidation or other business combination between you or a Parent Entity and one or more third partiesÂ where your or a Parent Entityâ€™s stockholders immediately before that transaction own (directly or indirectly), after that transaction,Â less than fifty percent (50%) of the stock or other equity interests entitled to vote for the directors or equivalent managing authority of the surviving entity.

1.15. Open Source Software: The Licensed Product may be delivered with software that is subject to open source licensing terms (â€œOpen Source Softwareâ€), which terms are available upon request. Certain Open Source Software licenses require that source code be made available upon request. Licensee may request a copy of such source code by post to Synopsys at: Synopsys, Inc., Attention: Open Source Software Requests, 690 East Middlefield Road, Mountain View, California 94043, USA. Licensee agrees that all Open Source Software shall be and shall remain

subject to the terms and conditions under which it is provided. The Open Source Software is provided â€œAS IS,â€ WITHOUT ANY WARRANTY OF ANY KIND, AND SYNOPSYS FURTHER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, WITH RESPECT TO OPEN SOURCE SOFTWARE, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF NONINFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NEITHER SYNOPSYS NOR THE LICENSORS OF OPEN SOURCE SOFTWARE SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE OPEN SOURCE SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Copyrights to the Open Source Software are held by the copyright holders indicated in the copyright notices in the corresponding source files.

Order and Delivery

1.16. Ordering Synopsys Products: You may order the products and services identified in the Purchasing Agreements at any time by submitting an order to Synopsys through Synopsysâ€™s on-line ordering system or as otherwise directed by Synopsys. When using Synopsysâ€™s on-line ordering system, you shall be responsible for ensuring that all information you provide is accurate and complete and that any person placing an order on your behalf has your authority to do so. Once you submit an order, you may not cancel or change it. Your order must indicate which products and services you want to purchase (including, in the case of Licensed Products, the type of license, the quantity, the License Term or in the case of ARC MQX Products the applicable ARC MQX Licensee Product, the location(s) of your facility(ies) where the Licensed Products may be used (we may refer to this as the â€œAuthorized Sitesâ€ in a Purchasing Agreement), and any other information Synopsys would need to fulfill your order (including any information needed to generate a License Key). Synopsys may, in its reasonable discretion, accept or reject your order. Synopsys may accept your order by sending you written or electronic notice of acceptance or simply by fulfilling your order.

1.17. Delivery: If Synopsys accepts your order for one or more Licensed Products, Synopsys will then deliver to you the Licensed Products along with the corresponding Documentation and License Keys. Synopsys will deliver these materials to you electronically except where prohibited by law.

1.18. Electronic Software Transfer: When Synopsys delivers a Licensed Product by electronic software transfer, Synopsys will send you an e-mail to your designated e-mail address(es) to notify you that the Licensed Product is available. Synopsysâ€™s obligation to deliver the Licensed Product will be fulfilled when this e-mail notice is sent. You will be responsible for downloading or requesting for delivery the Licensed Product and Documentation from the FTP Server and the License Key from Synopsysâ€™s website at www.synopsys.com, unless Synopsys gives you other instructions. You must notify Synopsys in writing if you change your designated e-mail address(es).

1.19. Tangible Media: When Synopsys delivers Licensed Products to you on tangible media, the media may contain other software programs in addition to the Licensed Products. If it does, you will not have a license to use (and the License Keys for the Licensed Products will not permit you to use) these other software programs, and you must not attempt to access, use, reproduce, modify, reverse engineer, or otherwise tamper with these other software programs. If you lose or damage the media, Synopsys will, at your request, provide a replacement at a nominal charge. All deliveries of tangible items by Synopsys, Inc. will be made F.O.B. Origin; all deliveries of tangible items by other Synopsys entities will be made Ex Works (EXW) Origin.

Fees and Payment

1.20. Fees: The Fees for the products and services you may purchase under this agreement will be identified in the Purchasing Agreements. You agree to pay the Fees according to the payment terms in the applicable Purchasing Agreement.

1.21. Payments: If the applicable Purchasing Agreement does not contain specific payment terms for the Fees in question, payment of those Fees will be due within 30 days after the date of Synopsysâ€™s invoice. If you do not pay an amount by the scheduled due date, Synopsys will have the right to withhold the delivery of License Keys and/or terminate this agreement or a Purchasing Agreement and accelerate the due date of all remaining payments. In this event, you will owe the entire outstanding balance as soon as you receive written notice from Synopsys that your payment is due. All payments you make to Synopsys are non-refundable. You may not offset any amounts you believe Synopsys owes you against any payments you make to Synopsys under this agreement. You must make payments in U.S. dollars. If you do not pay an amount by the due date, you must also pay a late payment charge of 1.5% per month or the highest rate permitted by law, whichever is less.

1.22. Taxes: You will be solely responsible for paying all taxes (including sales, use, consumption, withholding, and value-added taxes and similar taxes), other than Synopsysâ€™s income taxes, that are imposed on or result from your purchase, license, or use of Synopsys products and services. If Synopsys is required by law to collect and remit any such taxes, Synopsys may invoice you for such taxes and you agree to pay the invoiced amount to Synopsys. If you are required by the respective jurisdiction where the Licensed Products are used, or where services are provided, to withhold taxes from payments to Synopsys, you may withhold from the total amount due to the respective Synopsys distributing entity the minimum amount required (but no more). You may only withhold taxes related to a payment at the time of such payment. You must then promptly pay that amount to the appropriate tax authority and provide Synopsys with an official receipt for the payment within 60 days of your payment.

1.23. Bankruptcy: If you become the subject of any bankruptcy, dissolution, liquidation, or similar proceedings or make a general assignment for the benefit of your creditors, Synopsys may apply any payments you have previously made to Synopsys for products or services not yet delivered by Synopsys against any amounts you owe Synopsys at that time for products or services that have been delivered by Synopsys (under this agreement or otherwise).

Services

1.24. Maintenance Services: Maintenance Services consist of the following:

(a) Support: Synopsys will provide you with access to SolvNet and online Documentation, and will use commercially reasonable efforts to make available the Synopsys Support Center on Monday through Friday, during Synopsysâ€™s normal business hours, excluding Synopsysâ€™s scheduled holidays. A valid corporate email address is required to access SolvNet and online Documentation.

(b) Updates: Synopsys will use commercially reasonable efforts to provide Updates as they become generally available. Any other upgrades or enhancements to the Licensed Products are not made available by Synopsys as part of Maintenance Services and may be subject to additional charges.

1.25. Updates to Terms: Synopsys may update its Maintenance Services terms on 60 days prior written notice, provided that these updates are

applied generally to its Maintenance Services customers.

1.26. Conditions: In order to receive Maintenance Services for a Licensed Product, all of the following conditions must be met:

(a) you must have purchased Maintenance Services for such Licensed Product (unless it is licensed under a TSL, in which case Maintenance Services are included);

(b) you must appoint a qualified contact person trained in the use of the Licensed Product to interface with Synopsys regarding Maintenance Services, and identify such person to Synopsys in advance;

(c) you must provide Synopsys with access to the information and system facilities reasonably necessary to provide the Maintenance Services;

(d) you must follow the directions provided by the Synopsys Support Center to resolve technical problems;

(e) you must follow the operating instructions and procedures for the Licensed Product as specified in the Documentation or provided by Synopsys; and

(f) you must notify Synopsys of any error or other problem in the Licensed Product using Synopsysâ€™s current problem reporting procedure.

1.27. Exclusions: Synopsys will have no obligation to provide Maintenance Services for any Licensed Products that are damaged, modified (by anyone other than Synopsys), incorporated into other software, or installed in any computing environment not supported by Synopsys; or for any version of a Licensed Product other than the latest and immediately preceding version; or for any problems caused by your negligence, abuse, misuse, or by any causes beyond Synopsysâ€™s reasonable control.

1.28. Reinstatement of Maintenance Services: If Maintenance Services are terminated for any reason, or if you wish to renew Maintenance Services more than thirty (30) days after Maintenance Services have been terminated, you may be permitted to reinstate or renew Maintenance Services, at Synopsysâ€™s sole option, provided that (a) Synopsys offers Maintenance Services to its customers generally for the Licensed Product in question, and (b) you pay Synopsys the following: all applicable Maintenance Services fees for the period during which you were off Maintenance Services, and Synopsysâ€™s then-current reinstatement fee plus payment for the new Maintenance Services term.

1.29. ViewConnect: If you wish to permit Synopsys to deliver Maintenance Services through the use of a shared customer desktop, you must download and install the ViewConnect Tool and related publicly-available, third-party software modules. You are not required to use the ViewConnect Tool, but if you choose to do so, you have the nonexclusive right to use the ViewConnect Tool only to enable Synopsys to remotely access your computer system for the purpose of providing Maintenance Services. Your rights to the third-party software modules are separately described in their accompanying license terms. The ViewConnect Tool and the third-party software modules are not Licensed Products nor is their use governed by this agreement.

5.7. Training Services: Synopsys offers Training Services, which may be purchased and ordered through the online registration system found at www.synopsys.com.

Confidentiality

1.30. Confidentiality Obligations: Each party (you and Synopsys) agrees to abide by the following confidentiality obligations with respect to the other partyâ€™s Confidential Information:

(a) do not disclose it to any third party unless (i) the other party has given its specific and express prior written approval, (ii) the disclosure is expressly allowed under this agreement, or (iii) the disclosure is necessary to comply with a valid court order or subpoena;

(b) do not use it for any reason other than to exercise its rights and perform its obligation under this agreement; and

(c) protect it from unauthorized dissemination in the same manner as that party protects its own Confidential Information, and in any event with reasonable precautions (which include limiting access to employees and contractors on a â€œneed-to-knowâ€ basis).

1.31. Mandatory Disclosures: If you believe you must disclose Synopsysâ€™s Confidential Information in order to comply with a valid court order or subpoena, you must promptly notify Synopsys and cooperate with Synopsys if Synopsys chooses to contest the disclosure requirement, seek confidential treatment of the information to be disclosed, or to limit the nature or scope of the information to be disclosed. Synopsys will do the same if it believes it must disclose your Confidential Information in these circumstances.

1.32. Additional Obligations: In addition to your general obligations of confidentiality regarding the Licensed Products and Documentation, you must take the following steps to help prevent any unauthorized access to or use of the same:

(a) you must ensure that each End User who is your independent contractor (not your employee) has access to and uses the Licensed Products and Documentation only while working on your physical premises; and

(b) you must monitor each End Userâ€™s use of the Licensed Products to ensure that the End User abides by the terms of this agreement.

Term and Termination

1.33. Term of Agreement: The term of this agreement will begin on the effective date stated on the signature page and will end when the last Purchasing Agreement expires, unless this agreement is terminated sooner by either party.

1.34. Term of Purchasing Agreement: Each Purchasing Agreement will have its own term, as indicated on that Purchasing Agreement.

1.35. Rights to Terminate: Each party has the right to terminate this agreement, by giving written notice of termination to the other party, if (a) the other party breaches this agreement and (b) either the breach cannot be cured or, if the breach can be cured, it is not cured by the breaching party within 15 days after receiving written notice of the breach from the non-breaching party. An Error will not be considered a breach of this agreement that allows you to terminate the agreement, but it could give rise to a warranty claim under section 8.

1.36. Consequences of Termination: If and when either you or Synopsys terminates this agreement, all Purchasing Agreements in effect at that time will also terminate. When this agreement, a Purchasing Agreement or an individual license to a Licensed Product expires or is terminated:

(a) you must (i) immediately cease all use of the Licensed Products, Documentation, Design Techniques, and other Confidential Information, (ii) promptly return to Synopsys or destroy all copies of the Licensed Products, Documentation, and other Confidential Information in your possession or control, and (iii) certify in writing to Synopsys that you have complied with clauses (i) and (ii), except, however, that your license to Implementation IP incorporated into Designs prior to termination shall continue according to its terms;

(b) you will remain obligated to pay any amounts you owe to Synopsys at that time; and

(c) the provisions of sections 4, 6, 7.4, 8.4 and 10, and the warranty disclaimers in section 8, will remain in effect.

Limited Warranty

1.37. Warranty: For a period of 90 days from when Synopsys delivers a Licensed Product to you (the â€œwarranty periodâ€), Synopsys warrants that the Licensed Product will have no Errors when used on the correct platform and according to the instructions in the corresponding Documentation. This warranty will be void if you, or anyone else other than Synopsys, modifies or attempts to modify the Licensed Product.

1.38. Warranty Claims: To claim a breach of this warranty, you must, during the warranty period, notify Synopsys in writing of the Error or Errors that you have encountered and provide Synopsys with all the information you have, in written or electronic form, about those Errors, so that Synopsys can attempt to reproduce, diagnose, and correct the Errors.

1.39. Exclusive Remedy: Your exclusive remedy for any breach of this warranty is that Synopsys will use commercially reasonable efforts to (at Synopsysâ€™s option) correct the Errors you have reported or provide a replacement product that does not contain these Errors, or if Synopsys is unable to provide a correction or a replacement or determines that it will not be feasible to do so, Synopsys will refund the Fees you paid for that Licensed Product.

1.40. Disclaimer: Except for the warranty in this Section 8, all Licensed Products, Documentation, Design Techniques, and any third party software are provided â€œAS IS,â€ without any other warranties of any kind. Synopsys further disclaims all other warranties (express, implied, or statutory), including any warranties of merchantability, fitness for a particular purpose, title, or non-infringement and any warranties arising from a course of dealing or usage of trade.

Infringement Claims

1.41. Indemnity: Synopsys will, at its own expense, be entitled to defend (or at its sole option, settle) any claim asserted against you by a third party that any Licensed Product you obtained from Synopsys under this agreement directly infringes any U.S. patent, copyright, trademark, or trade secret. Synopsys will indemnify you for any damages you suffer and costs you reasonably incur that are directly attributable to any such claim and that are assessed against you in a final, non-appealable judgment or agreed upon by Synopsys in a settlement.

1.42. Conditions: Synopsysâ€™s obligations to defend and indemnify you with respect to a particular claim are subject to the following conditions:
(a) you must promptly give Synopsys written notice of the claim;
(b) you must identify the specific Licensed Product(s) at issue in the claim and indicate how the Licensed Product(s) is(are) utilized by you or your products;
(c) you must give Synopsys sole control and authority over the defense and settlement of the claim; and
(d) you must provide Synopsys with all information you have regarding the claim and cooperate with Synopsys when Synopsys defends or attempts to settle the claim.

1.43. Pro-Active Steps: If any Licensed Product is, or Synopsys believes is likely to become, the subject of a claim for which Synopsys would be obligated to defend and indemnify you, then Synopsys may, at its option, do any of the following:
(a) obtain for you (at no cost to you) the right for you to continue using the Licensed Product as permitted by this agreement;
(b) replace or modify the Licensed Product to avoid the infringement problem, as long as there is no material loss of functionality; or
(c) if Synopsys reasonably concludes that it will not be feasible to do either of the above, terminate your license for the Licensed Product and give you a prorated refund (based on how much of the License Term has elapsed) of the Fees you paid for that license.

1.44. Exclusions: Synopsys will have no obligation to defend or indemnify you (notwithstanding the first paragraph of this section) with respect to any claim that is based on or attributable to any of the following:
(a) any modification made to the Licensed Product by anyone other than Synopsys;
(b) the combination or use of the Licensed Product with other products, processes, or materials not supplied by Synopsys or specified in the Documentation as being necessary to use the Licensed Product;
(c) your continued engagement in infringing activities after you were notified of the infringement or after Synopsys informed you of a modification or workaround that would have avoided the infringement; and
(d) your use of the Licensed Product in a manner not permitted by this agreement.

1.45. Burden of Proof: You will have the burden of showing that indemnification is required pursuant to this section 9 and that the exclusions in section 9.4 are not applicable.

1.46. No Other Obligations: Except as expressly stated in this section 9, Synopsys has no obligation or liability to you for any actual or alleged infringement related to the Licensed Products, Documentation, or Design Techniques.

Other Terms

1.47. Ownership of IP Rights: Synopsys and its licensors own all Intellectual Property Rights in the Licensed Products, Documentation, and Design Techniques. Your only rights in the Licensed Products, Documentation, and Design Techniques are the rights expressly granted in this agreement; all other rights are reserved by Synopsys. Synopsysâ€™s licensors are third-party beneficiaries of, and thus may enforce against you, the license restrictions and confidentiality obligations in this agreement with respect to their intellectual property and proprietary information. You will own all Intellectual Property Rights in the Designs you create using the Licensed Products, Documentation, and Design Techniques, subject to Synopsysâ€™s (and its licensorsâ€™) ownership of the Intellectual Property Rights in the Licensed Products, Documentation, and Design Techniques. Synopsys may freely use and disseminate any Feedback you provide. You agree not to claim that Synopsys owes you any compensation for its use or dissemination of such Feedback.

1.48. OMITTED

1.49. OMITTED

1.50. Limitation of Liability: For each product or service you license or purchase from Synopsys under this agreement, Synopsysâ€™s total, cumulative liability to you, including under section 9, is limited to the amount of Fees you paid for that product or service (regardless of the nature of the liability or the nature or number of claims giving rise to the liability). Synopsys will not, under any circumstances or any theory of liability, be liable to you for any lost profits, loss of data, or consequential, incidental, or special damages arising from this agreement or the products and services provided to you under this agreement. However, this disclaimer of Synopsysâ€™s liability for consequential damages does not limit or reduce Synopsysâ€™s obligations to defend and indemnify you under section 9. The limitations of liability in this section are a fundamental part of this agreement and enable Synopsys to provide products and services to you at lower prices. These limitations of liability are intended to apply even if an exclusive remedy is found to have failed of its essential purpose.

1.51. Export Controls: You shall remain familiar with your obligations under any and all laws, statutes, regulations, ordinances of any local, states, federal, national, or other jurisdictional locality, as applicable to the export, import, and/or end-use of Synopsys products, technology, and services. Products and/or technology sold under this agreement may be subject to various Export Control Laws and Regulations including but not limited to, U.S. Export Administration Regulations (EAR), the U.S. Office of Foreign Asset Control (OFAC), the European Union (EU) Export Control

Regime Regulation (EC) No. 428/2009, and/or the EU Consolidated Sanctions List. Where a product and/or technology is identified as export controlled from the country(ies) of export to (1) the destination country(ies), (2) a restricted/proscribed end use, and/or (3) a restricted end user, a government-issued export license must be obtained prior to fulfillment under this agreement and in accordance with all applicable laws. You agree that Synopsys shall not be required to complete delivery of export controlled products or technology unless and until all required export licenses have been obtained.

1.52. Governing Law; Jurisdiction: This agreement is governed by the laws of the United States and the State of California, without regard to conflicts of laws principles. The federal and state courts located in Santa Clara County, California have exclusive jurisdiction over any disputes arising from or relating to this agreement, and each party consents to such jurisdiction and venue.

1.53. Notices: Any notice, approval, consent, or other communication intended to have legal effect under this agreement must be given to the other party in writing, must be sent by first-class, registered, or overnight mail or private overnight courier (to the address for the other party stated on the signature page, unless the other party has given notice of a new address), and will be deemed given upon receipt or when delivery is refused. A copy of any communication sent to Synopsys must also be sent to the attention of the General Counsel.

1.54. Waivers: Either party's failure to enforce any provision of this agreement will not be deemed a waiver of the future enforcement of that provision or enforcement of any other provision. In order to be binding, a waiver must be in writing and signed by the party giving the waiver.

1.55. Independent Contractors: The parties to this agreement are independent contractors. Neither party is the agent or partner of the other party, or has any power or authority to act on behalf of the other party.

1.56. Severability: If any provision in this agreement is found to be invalid or unenforceable as written, the remaining provisions will remain in full force and effect and the invalid or unenforceable provision is to be construed (and, if necessary, modified) so that it is valid and enforceable to the greatest extent possible.

1.57. Attorneys' Fees: The prevailing party in any action to enforce this agreement will be entitled to recover costs and expenses including reasonable attorneys' fees.

1.58. Remedies: Except where this agreement expressly provides exclusive remedies, all rights and remedies of either party (including termination rights) are cumulative. You agree that monetary damages alone would not be an adequate remedy, and therefore Synopsys will be entitled to injunctive relief if you materially breach the license restrictions or confidentiality provisions in this agreement.

1.59. Force Majeure: Each party will be excused from performance of its obligations under this agreement, except payment obligations, to the extent that performance is rendered impossible by earthquake, fire, flood, governmental action, labor disruptions, supplier failures, or any other event or circumstance beyond that party's reasonable control.

1.60. Construction: Section headings in this agreement are for convenience only. The word "including" (and variations thereof) is not intended to be limiting. No rule of strict construction is to be used when interpreting this agreement.

1.61. Counterparts: This agreement may be signed in multiple counterparts, each of which will be deemed an original and which together will constitute one instrument.

1.62. Press Release: The parties intend to work together to prepare and publish a mutually acceptable press release concerning this agreement.

1.63. Government Users: If you are a branch or agency of the United States Government, or are acquiring any Licensed Product on behalf of any branch or agency of the United States Government, then the following provision applies. The Licensed Products and Documentation are comprised of "commercial computer software" and "commercial computer software documentation", as such terms are used in 48 C.F.R. 12.212, and are provided to the Government (a) for acquisition by or on behalf of civilian agencies, consistent with the policy set forth in 48 C.F.R. 12.212; or (b) for acquisition by or on behalf of units of the Department of Defense, consistent with the policies set forth in 48 C.F.R. 227.7202-1 and 227.7202-3.

1.64. Synopsys Entities: Synopsys, Inc. and its wholly-owned subsidiaries, including, but not limited to, Synopsys International Limited, Synopsys International Limited Taiwan Branch, Synopsys Korea, Inc., Synopsys Technologies Company Limited and Nihon Synopsys, G.K., have agreed to their respective rights and obligations regarding the distribution of the Licensed Products and the performance of obligations related to the Licensed Products. You acknowledge that: (a) Synopsys Inc. or any directly or indirectly wholly-owned subsidiary or branch of Synopsys, Inc. may treat a purchase order addressed to that entity, representative office or branch as having been addressed to the appropriate entity or entities or branch with distribution rights for the geographic region in which the Licensed Products will be used; and (b) delivery will be completed by the Synopsys entity or branch with distribution rights for the geographic region in which the Licensed Products will be used or service will be provided. For products used or services provided in the Americas, Israel or Africa, the distributing Synopsys entity is Synopsys, Inc., based in California, USA. For products used or services provided in Taiwan, the distributing Synopsys entity is Synopsys International Limited Taiwan Branch, based in Taiwan. For products used or services provided in the Republic of Korea, the distributing Synopsys entity is Synopsys Korea, Inc., based in the Republic of Korea. For products used or services provided in the People's Republic of China (PRC), the distributing Synopsys entity is Synopsys Technologies Company Limited or Synopsys International Limited. For products used or services provided in Russia, the distributing Synopsys entity is Synopsys LLC (Moscow) or Synopsys, Inc.. For products used or services provided in Japan, the distributing Synopsys entity is Nihon Synopsys G. K., based in Japan. For products used or services provided in any country other than those identified above, the distributing Synopsys entity is Synopsys International Limited, based in Ireland.

1.65. Entire Agreement: This agreement and any applicable attachments and Purchasing Agreements are the entire agreement between the parties concerning its subject matter, and supersede any prior or contemporaneous agreements, communications, or understandings (whether written or oral). However, any confidentiality or nondisclosure agreements that Synopsys previously entered into with you will remain in effect (according to their terms) with respect to the confidential information disclosed thereunder.

1.66. Amendments: This agreement may be amended only by means of a written instrument signed by authorized representatives of both parties that specifically refers to this agreement and states the parties' intention to amend it. No additional or inconsistent terms on any purchase order or similar document you may submit to Synopsys will be binding on Synopsys or have any legal effect.

Glossary of Definitions

API means application programming interface for accessing specific functionality of an ARC MQX Product.

ARC MQX End Customer means a customer to whom you distribute an ARC MQX Licensee Product and who shall be obligated to maintain the confidentiality of any provided Documentation, and not expose any API of the ARC MQX Product to any third party.

ARC MQX Licensee Executable means an application program, in executable form, statically linked with and using certain APIs of an ARC MQX Product, for execution solely on an embedded ARC processor.

ARC MQX Licensee Product means a product owned by you, that is specifically identified to Synopsys in a Purchasing Agreement or other document accepted by Synopsys, and that incorporates an embedded processor and the ARC MQX Licensee Executable.

ARC MQX Product means the Synopsys real-time operating system platform for the ARC processor architecture including associated source files, application programming interfaces files, and utilities for use in creating applications that run on the ARC processor architecture.

ARC Software Development Product means any MetaWare Products, nSIM Products and xCAM Products.

Board Support Package Features means those configuration files in an ARC MQX Product that define hardware components with which the ARC MQX Licensee Executable is intended to interoperate.

Client means an instance of a Licensed Product running on a computer. This means, for example, that two Clients can be either two instances of a Licensed Product running on the same computer or one instance of a Licensed Product running on each of two computers.

Confidential Information of Synopsys means (a) the Licensed Products (in any form), the Documentation, the License Keys, and SolvNet; (b) Design Techniques and all ideas and information (such as algorithms, design rules, and design techniques) contained or embodied in the Licensed Products, Documentation, License Keys, or SolvNet; (c) the prices, discounts, payment terms, and other information in the Purchasing Agreements; (d) Synopsys Training Services materials including without limitation presentations, demonstrations, software and course handouts, and (e) any other confidential or proprietary information that Synopsys provides to you in connection with this agreement. Your Confidential Information is any confidential or proprietary information in (i) written form that you provide to Synopsys in order for Synopsys to fulfill your orders and provide products and services to you under this agreement, and (ii) oral form that you provide to Synopsys in order to receive Maintenance Services; as long as you notify Synopsys at the time of disclosure that such information is to be treated as confidential under this agreement. However, Feedback is not your Confidential Information. Also, Confidential Information does not include any of the following:

(1) information that has become generally available to the public, through no fault of yours (in the case of Synopsys Confidential Information) or Synopsys (in the case of your Confidential Information) and that is not still regarded as a trade secret under laws governing information that was negligently or maliciously distributed;

(2) information that the receiving party had already obtained in a tangible form, through lawful means, before obtaining it under this agreement;

(3) information that the receiving party developed independently, without the use of any materials or information obtained from the other party in connection with this agreement;

(4) information that the receiving party has lawfully obtained, in a tangible form, from a third party that had the right to provide it to the receiving party; or

(5) information that the disclosing party releases for publication in writing.

Design means a representation of an electronic circuit or device that you create through the use of one or more Licensed Products. The representation may exist in various formats including, but not limited to, equations, truth tables, schematic diagrams, textual descriptions, hardware description languages, executable software source code and netlists.

DesignWare has the meaning given in section 1 of the Terms and Conditions.

Design Database means a design database for your Design that incorporates DesignWare in any format (except unencrypted source code for Implementation IP), along with all copyright and other proprietary legends for such DesignWare.

Design Techniques means Synopsys-supplied algorithms, data, circuit and logic elements, libraries, rule bases, search strategies, and other technical information used in the process of creating Designs.

DesignWare Fee-Per-Use Core means an IP core (as this term is understood in the semiconductor industry) for which Synopsys charges an additional fee each time it is used in the design of an integrated circuit.

Documentation means any user manuals, reference manuals, release, application and methodology notes, written utility programs, and other materials in any form provided by Synopsys for use with a Licensed Product.

End User means an individual who works for you as an employee or independent contractor and whom you designate and authorize to access and use a Licensed Product as permitted by this agreement.

Error means a defect in a Licensed Product that causes it to deviate substantially from the specifications in the corresponding Documentation.

Feedback means any ideas or suggestions you voluntarily provide to Synopsys (in any manner, whether in writing or orally or otherwise) regarding the Licensed Products, Documentation, or Design Techniques, including possible enhancements or improvements.

Fees means the amounts you must pay when you purchase products and services from Synopsys under this agreement, as identified in each Purchasing Agreement.

FTP Server means a Synopsys server that you can access via the Internet in order to download Licensed Products you have ordered.

Implementation IP means synthesizable designs (other than Verification IP).

Integrated Design means a Design that combines Implementation IP with the Design and does not consist primarily of Implementation IP.

Intellectual Property Rights means all patent rights, copyrights, trade secret rights, mask works, and trademark rights (including service marks and trade names), and any applications for these rights, in all countries.

Key Server means the computer with the host I.D. number that is identified in the License Key and which controls access to and enables the use of a Licensed Product.

License Key means a document (in physical or electronic format) provided by Synopsys that identifies: (a) the Licensed Product, including version number, licensed to you; (b) the Key Server; (c) the number of permitted Clients; and (d) the codes that initialize use of the Key Server.

License Term means the period of time during which you may use a Licensed Product under a particular license.

Licensed Design Partner means a third party that (a) you have engaged to work with you on a common Design; and (b) has a valid Synopsys end user license agreement for the DesignWare used in your Design.

Licensed Products has the meaning given in section 1 of the Terms and Conditions.

Licensed Software has the meaning given in section 1 of the Terms and Conditions.

Maintenance Services has the meaning given in section 1 of the Terms and Conditions.

MetaWare Product means a Synopsys software development tool used to create, profile and debug software applications that run on an embedded microprocessor, identified by Synopsys with the product name â€œMetaWareâ€.

nSIM Product means a Synopsys software model of the instruction set of an embedded ARC microprocessor, identified by Synopsys with the product name â€œnSIMâ€.

Open Source Software has the meaning given in section 2.12 of the Terms and Conditions.

Parent Entity means a person, company or other entity that owns, directly or indirectly, more than fifty percent (50%) of your assets or of the stock or other equity interests entitled to vote for your directors or equivalent managing authority.

Purchasing Agreement means the applicable Synopsys sales quotation, FSA schedule, purchase agreement or other agreement describing (among other things) the products and services that you have licensed or purchased, including pricing information.

SolvNet means Synopsysâ€™s suite of online support services accessible via the Internet.

Synopsys Competitor means any corporation or other legal entity in the business of developing and/or marketing (including making generally commercially available to end user customers) one or more electronic design automation software products or intellectual property cores or related services.

System-on-Chip means an integrated circuit which integrates the microcontroller, microprocessor, peripherals and interfaces in a single Design.

TSL means a time-based technology subscription license of a Licensed Product. A TSL lasts for a specific period of time (the License Term) from when the license is delivered and includes (at no additional charge) Maintenance Services for the Licensed Product in question.

Updates means error corrections and minor improvements to the Licensed Products.

Use Area for a Licensed Product means a single geographical site that you own or occupy as your place of business, which may consist of one or more buildings located within 5 miles of one another, and in which the Key Servers, Clients, and End Users for that Licensed Product are all located, except as modified by the right to allow End Users to telecommute or use over a WAN in section 2.6.

Verification IP means test benches (including software models, test suites, and monitors) that simulate, test, and verify the functionality of certain electronic circuits or devices.

WAN means a wide area network as referred to in section 2.6.

xCAM Product means a Synopsys software development tool that creates and uses cycle-accurate software models of an embedded ARC microprocessor, identified by Synopsys with the product name â€œxCAMâ€.

You (and variations thereof) means the entity that signs or agrees to this agreement as the customer.

Synopsys DesignWare files version 2018.09
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The Synopsys files are subject to the following End-User License Agreement for DesignWare Fee-Per-Use Cores, by accepting these terms and using such files, (1) you agree to be bound by these terms, and (2) you acknowledge that Synopsys has no obligation to provide support to you in connection with your use of such files.

SYNOPSYS
END-USER LICENSE AGREEMENT FOR DESIGNWARE FEE-PER-USE CORES

This agreement covers the DesignWare Fee-Per-Use Cores and related services you license (or purchase) from Synopsys, unless and until we enter into a new agreement or agreement that expressly replaces this one. If you use the Synopsys Cores and related services as an employee of or for the benefit of your company, you represent that you have the power and authority to accept this agreement on behalf of your company. Your company will be the licensee under this agreement. By clicking on the â€œIÂ Agreeâ€ button below, you consent to the terms and conditions of this agreement on behalf of yourself and the company on whose behalf you will use the Synopsys Cores and related services provided under this agreement. The effective date of this agreement is the date that you click the â€œI Agreeâ€ button. If you do not agree to the terms and conditions of this agreement or if you do not have the power and authority to accept the terms and conditions of this agreement on behalf of your company, you may not use the Synopsys Cores and related services and Synopsys is unwilling to provide you with them.

1. Core Related Software and Services
The Synopsys products and services that you may license or purchase under this agreement are identified in the Purchasing Agreements governed by this agreement, and may include (but are not limited to):
(a) DesignWare Fee-Per-Use Cores (or â€œCoresâ€), which are software products that represent an integrated circuit function which can be implemented in your Licensee IC, and which typically include associated design files in a variety of formats (such as synthesized gate-level netlists, GDSII files, MEBES or other mask writing databases, finished masks, or reticles);
(b) Verification Environments, which are simulation and test software used in connection with Cores, such as simulation modules and simulation data analysis tools; and
(c) Core Support Services, which means the support services described in section 5.
The terms â€œCore Softwareâ€ means Cores, Verification Environments, and any Modifications furnished to you by Synopsys while providing Core Support Services, together with any documentation and other materials that may accompany them. Additional terms and conditions (beyond those stated here and in any attachments) may apply to certain Core Software. When ordering these Core Software, you will be given an opportunity to review the additional terms and conditions that must be accepted for you to receive the Core Software. If the additional terms and conditions conflict in any way with the terms and conditions stated here, the additional terms and conditions will prevail.
2. Licenses
2.1 Your License Rights: When you purchase a license to Core Software, upon delivery of the Core Software you will have a nonexclusive right

to:

(a) internally use and reproduce the Core Software solely to design, test, and verify the applicable Licensee IC for your manufacture and subsequent sale;

(b) create Modifications to the Core Software solely to the extent necessary to design, test, and verify the applicable Licensee IC, subject to sections 2.5 and 2.6; and

(c) manufacture (or have manufactured by a third party, as described in section 2.4) the applicable Licensee ICs incorporating the licensed Core.

2.2 Users: Except as described in sections 2.3 and 2.4, you will allow only those of your employees who are on the single design team responsible for designing or testing your Licensee IC to access the Core Software. You are responsible for the acts and omissions of your employees, agents, and permitted Contractors and third-party manufacturers with respect to any use of the Core Software or Synopsys Confidential Information, including any breaches of this agreement that they may commit.

2.3 Contractors: You may also allow Contractors to access certain parts of the Core Software as follows:

(a) For Core Software that is in netlist or encrypted RTL form, you may allow Contractors that are not Synopsys Competitors to access that Core Software either on your physical premises or on theirs. Contractors that are Synopsys Competitors may access the netlist or encrypted RTL only while on your physical premises.

(b) For Core Software that is in source code form, you may allow Contractors that are not Synopsys Competitors to access that Core Software only on your physical premises. You may not allow Contractors that are Synopsys Competitors to access this source code at all.

(c) In all cases, you may allow Contractors to access the Core Software only on a â€œneed-to-knowâ€ basis, only to allow them to perform design services on the Licensee IC in accordance with your license, and subject to a written confidentiality agreement that is at least as protective as the confidentiality terms set forth in this agreement.

2.4 Third-Party Manufacturers: You may have a third-party manufacturer make Licensee ICs incorporating the licensed Core for you if you make sure all of the following conditions are met:

(a) the resulting Licensee ICs must be made for sale or use only by you;

(b) the designs and specifications you give to the manufacturer contain sufficient detail so that no additional design work is performed by the manufacturer (except for the simple adaptation of your designs to the manufacturerâ€™s own normal production processes);

(c) you provide those designs and specifications to the manufacturer only for the purpose of making the Licensee ICs for you, and subject to confidentiality provisions that are at least as protective as those in this agreement; and

(d) you do not give source code for any Core Software to the manufacturer.

2.5 Hard IP Cores. If you license any Cores that are Hard IP Cores, you understand that you may be required to obtain appropriate licenses to technology libraries (such as standard cell and I/O libraries) from a supplier of such libraries, and that if this is case, you are responsible for getting these licenses at your own cost. You also agree that you may not make Modifications to Hard IP Cores without first obtaining Synopsysâ€™ prior written consent. Your use of each Hard IP Core is limited to the applicable manufacturer and process node specified in the Purchasing Agreement, and you may not use the Hard IP Core for any other manufacturer or process node.

2.6 Ownership: The Core Software and all Modifications (including all Intellectual Property Rights in them) are owned by Synopsys and its licensors. If you have any rights in any Modifications, you hereby irrevocably assign ownership of those Modifications (and all Intellectual Property Rights in them) to Synopsys. However, you are under no obligation to actually disclose any such Modifications to Synopsys, and they will automatically be licensed to you as â€œCore Softwareâ€ pursuant to section 2.1. There are no implied licenses granted under this agreement, and all rights not expressly granted to you are reserved to Synopsys.

2.7 Conditions: Your right to use the Core Software is conditioned upon your timely payment of the full amount of Fees due for the Core Software (if any) and your compliance with the terms of this agreement, including the following restrictions. For Core Software with a license term, when the license term expires your license rights also expire and you may no longer use the Core Software.

2.8 Restrictions: You may not (and may not allow anyone else to):

(a) copy or use any Core Software (or Documentation) in any manner that is not expressly allowed by the license rights stated above;

(b) decompile, reverse engineer, or otherwise attempt to derive the source code for any Core Software, or any underlying algorithms, user interface techniques, or other ideas embodied in Core Software, that is not provided to you in unencrypted source code or RTL format;

(c) tamper with, or attempt to circumvent or disable, any License Key (this includes, for example, resetting the CPU time in order to extend the license term (if any), or using a false host ID number or additional virtualized copy(ies) of the host ID number to enable unauthorized copies of a License Key);

(d) distribute any copy of Core Software (or Documentation) except as expressly allowed by the license rights stated above, or allow anyone other than your End Users to have access to or use (such as in a timesharing, service bureau, or application service provider model) any Core Software;

(e) use Core Software or its output to create, modify, or simulate Designs for third parties or to develop or enhance any product that competes with a Synopsys product;

(f) disclose the results of any benchmarking of Core Software (whether or not the results were obtained with assistance from Synopsys) to any third party; or

(g) use Core Software in the development of any product if the failure or malfunction of that product could reasonably be expected to result in personal injury, death, or catastrophic loss.

If the License Key limits the number of End Users who may use a Core Software simultaneously or the number of simultaneous Clients, you must ensure that this limit is not exceeded, by platform virtualization or any other means.

2.9 Copies: If you make backup or archival copies of Core Software or Documentation, you must reproduce all copyright, trademark, and other notices that appear on the original copy.

2.10 Transfers and Assignments: You may not transfer or assign your license rights to any other person in any manner (by assignment, operation of law or otherwise) unless you have obtained written consent from Synopsys. If you attempt to transfer or assign any of your license rights without Synopsysâ€™s consent, the transfer or assignment will be ineffective, null, and void (and you will be in material breach of this agreement). For purposes of this section 2.10, a transfer or assignment of your license rights will be deemed to have occurred (a) if a third party (or group of third parties acting in concert) acquires beneficial ownership of fifty percent (50%) or more of either (i) your or a Parent Entityâ€™s assets or (ii) the stock or other equity interests entitled to vote for your or a Parent Entityâ€™s directors or equivalent managing authority, or (b)

in the event of a merger, consolidation or other business combination between you or a Parent Entity and one or more third parties Â where your or a Parent Entityâ€™s stockholders immediately before that transaction own (directly or indirectly), after that transaction, Â less than fifty percent (50%) of the stock or other equity interests entitled to vote for the directors or equivalent managing authority of the surviving entity.

3 Order and Delivery

3.1 Ordering Synopsys Products: You may order the products and services identified in the Purchasing Agreements at any time by submitting an order to Synopsys through Synopsysâ€™s on-line ordering system or as otherwise directed by Synopsys. When using Synopsysâ€™s on-line ordering system, you shall be responsible for ensuring that all information you provide is accurate and complete and that any person placing an order on your behalf has your authority to do so. Once you submit an order, you may not cancel or change it. Your order must indicate which products and services you want to purchase, including any information Synopsys would need to fulfill your order. Synopsys may, in its reasonable discretion, accept or reject your order. Synopsys may accept your order by sending you written or electronic notice of acceptance or simply by fulfilling your order.

3.2 Delivery: If Synopsys accepts your order for one or more Core Software, Synopsys will then deliver to you the Core Software along with the corresponding Documentation and License Keys (if applicable). Synopsys will deliver these materials to you by EST except where prohibited by law.

3.3 EST: When Synopsys delivers Core Software by EST, Synopsys will send you an e-mail to your designated EST e-mail address(es) to notify you that the Core Software is available. Synopsysâ€™s obligation to deliver the Core Software will be fulfilled when this e-mail notice is sent. You will be responsible for downloading or requesting for delivery the Core Software and Documentation from the FTP Server and the applicable License Key from Synopsysâ€™s website at www.synopsys.com, unless Synopsys gives you other instructions. You must notify Synopsys in writing if you change your EST e-mail address(es).

3.4 Tangible Media: When Synopsys delivers Core Software to you on tangible media, the media may contain other software programs in addition to the Core Software. If it does, you will not have a license to use (and the License Keys for the Core Software will not permit you to use) these other software programs, and you must not attempt to access, use, reproduce, modify, reverse engineer, or otherwise tamper with these other software programs. If you lose or damage the media, Synopsys will, at your request, provide a replacement at a nominal charge. All deliveries of tangible items will be made F.O.B. Origin.

4. Fees and Payment

4.1 Fees and Royalties: The applicable license fees and royalties (if any) for the Core Software are specified in the Purchasing Agreement. You agree to pay the Fees according to the payment terms in the applicable Purchasing Agreement.

4.2 Payments: If the applicable Purchasing Agreement does not contain specific payment terms for the Fees in question, payment of those Fees will be due within 30 days after the date of Synopsysâ€™s invoice. If you do not pay an amount by the scheduled due date, Synopsys will have the right to withhold the delivery of License Keys and/or terminate this agreement or a Purchasing Agreement and accelerate the due date of all remaining payments. In this event, you will owe the entire outstanding balance as soon as you receive written notice from Synopsys that your payment is due. All payments you make to Synopsys are non-refundable. You may not offset any amounts you believe Synopsys owes you against any payments you make to Synopsys under this agreement. You must make payments in U.S. dollars. If you do not pay an amount by the due date, you must also pay a late payment charge of 1.5% per month or the highest rate permitted by law, whichever is less.

4.3 Taxes: You will be solely responsible for paying all taxes (including sales, use, consumption, withholding, and value-added taxes and similar taxes), other than Synopsysâ€™s income taxes, that are imposed on or result from your purchase, license, or use of Synopsys products and services. If Synopsys is required by law to collect and remit any such taxes, Synopsys may invoice you for such taxes and you agree to pay the invoiced amount to Synopsys. If you are required by the respective jurisdiction where the Core Software are used, or where services are provided, to withhold taxes from payments to Synopsys, you may withhold from the total amount due to the respective Synopsys distributing entity the minimum amount required (but no more). You may only withhold taxes related to a payment at the time of such payment. You must then promptly pay that amount to the appropriate tax authority and provide Synopsys with an official receipt for the payment within 60 days of your payment.

4.4 Bankruptcy: If you become the subject of any bankruptcy, dissolution, liquidation, or similar proceedings or make a general assignment for the benefit of your creditors, Synopsys may apply any payments you have previously made to Synopsys for products or services not yet delivered by Synopsys against any amounts you owe Synopsys at that time for products or services that have been delivered by Synopsys (under this agreement or otherwise).

4.5 Royalty Reporting and Payment: If royalties are applicable, then within 30 days after the end of each calendar quarter following the effective date of this agreement, you will submit a royalty report to Synopsys via email to royalty@synopsys.com, on a form approved by Synopsys, that accurately sets forth the number of units of each Licensee IC that you sold, distributed, or otherwise disposed of during that quarter, along with payment of all reported amounts. You are to submit a royalty report even during quarters where you report no sales, distributions, or disposals of Licensee ICs. Note that you will continue to be obligated to make royalty reports and pay royalties until you permanently discontinue sales or distributions of the applicable Licensee IC. In the event of such a discontinuation, you will provide Synopsys with a written certification that the Licensee IC has been discontinued, along with a final royalty report for the applicable Licensee IC.

4.6 OMITTED

5. Core Support Services

5.1 Core Support Services: Core Support Services, for the first 12 months after the initial delivery of the Core Software, are included in the price of a Use of the Core Software. In providing Core Support Services, Synopsys will use commercially reasonable efforts to perform the following:
(a) provide you with bug-fix releases to the extent necessary to conform the Core Software to any applicable technical standard specification that was in existence at the time the Core Software was delivered to you;
(b) provide you with workarounds for material errors in the Core Software;
(c) provide you with 24/7 access to electronic assistance regarding the operation of the Core Software, as Synopsys may make available from time to time (such as through the SolvNet online web support service);
(d) if electronic assistance does not yield an appropriate resolution, give you access to a reasonable amount of telephone support for the Core Software, during normal business hours, through your designated support contact; and
(e) deliver bulletins as they are released by Synopsys from time to time, which contain information on bug-fix releases, application techniques, and

workarounds for the Core Software.

5.2 Designated Support Contacts: You may appoint up to 4 designated support contacts for each supported Licensee IC, and will give Synopsys the names of all designated support contacts before making initial contact with the Synopsys support center. All technical communications, information, and materials exchanged between you and Synopsys regarding the Core Software will be conducted through your designated support contacts. You may change any designated support contact at any time by notifying Synopsys.

5.3 Limitations. The Core Support Services described in this section are the only services that Synopsys makes available for the Core Software, and no other warranties or support and maintenance services apply. Synopsys has no obligation to provide support for Core Software that has been altered, damaged, or modified by you. If you wish to continue receiving Core Support Services after the 12-month period following the initial delivery of the Core Software, you must separately purchase extended Core Support Services from Synopsys for an additional fee pursuant to an accepted purchase order. Reuse fees for Core Software do not include Core Support Services.

5.4 The Core Software and Core Support Services are provided "AS IS". Synopsys disclaims all other warranties (express, implied, or statutory), including any warranties of merchantability, fitness for a particular purpose, title, or non-infringement and any warranties arising from a course of dealing or usage of trade.

6. Term and Termination

6.1 Term of Agreement: Both you and Synopsys must sign (either physically or through electronic acceptance) this agreement for it to take effect. When both parties have so signed this agreement, the term of this agreement will begin on the effective date stated on the signature page and will end when all licenses granted hereunder terminate, or until this agreement terminates as provided below, whichever is sooner.

6.2 Term of Purchasing Agreement: Each Purchasing Agreement will have its own term, as indicated on that Purchasing Agreement.

6.3 Term of Individual Licenses: The term of each license for the Core Software granted under this agreement shall begin upon the delivery date of the Core Software, and shall continue until you discontinue the sale and distribution of the applicable Licensee ICs.

6.4 Rights to Terminate: Each party has the right to terminate this agreement, by giving written notice of termination to the other party, if (a) the other party breaches this agreement and (b) either the breach cannot be cured or, if the breach can be cured, it is not cured by the breaching party within 15 days after receiving written notice of the breach from the non-breaching party. A substantial deviation of Core Software from the specifications in the corresponding Documentation will not be considered a breach of this agreement that allows you to terminate the agreement.

6.5 Consequences of Termination: If and when either you or Synopsys terminates this agreement, all Purchasing Agreements in effect at that time will also terminate. When this agreement, a Purchasing Agreement or an individual license to Core Software expires or is terminated:

(a) you must (i) immediately cease all use of the Core Software and related Confidential Information in your possession or control (or in the possession of any third party to whom you provided such materials), (ii) promptly return to Synopsys or destroy all copies of such Core Software and related Confidential Information, and (iii) within 30 days after such expiration or termination, certify in writing to Synopsys that you have complied with clauses (i) and (ii), except, however, that your license to a Core Instantiated into a Licensee IC prior to termination shall continue according to its terms;

(b) you will remain obligated to pay any amounts you owe to Synopsys at that time; and

(c) the provisions of sections 4, 5.4, 6.5, 8 and 9 will remain in effect.

7. Third-Party Licenses and Indemnification

7.1 Indemnity: Synopsys will, at its own expense, be entitled to defend (or at its sole option, settle) any claim asserted against you by a third party that any Core Software you obtained from Synopsys under this agreement infringes any U.S. copyright, trademark, or trade secret, or U.S. patent that issued before Synopsys' delivery to you of the applicable Core Software. Synopsys will indemnify you for any damages you suffer and costs you reasonably incur that are directly attributable to any such claim and that are assessed against you in a final, non-appealable judgment or agreed upon by Synopsys in a settlement.

7.2 Conditions: Synopsys's obligations to defend and indemnify you with respect to a particular claim are subject to the following conditions:
(a) you must promptly give Synopsys written notice of the claim;
(b) you must identify the specific Core Software at issue in the claim and indicate how the Core Software is utilized by you or your products;
(c) you must give Synopsys sole control and authority over the defense and settlement of the claim; and
(d) you must provide Synopsys with all information you have regarding the claim and cooperate with Synopsys when Synopsys defends or attempts to settle the claim.

7.3 Pro-Active Steps: If any Core Software is, or Synopsys believes is likely to become, the subject of a claim for which Synopsys would be obligated to defend and indemnify you, then Synopsys may, at its option, do any of the following:
(a) obtain for you (at no cost to you) the right for you to continue using the Core Software as permitted by this agreement;
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Rev. 15 May 2014

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XilinxProcessorIPLib/drivers/v_hdmitxss1/examples/hdcp_key_utility/bigdigits.h
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XilinxProcessorIPLib/drivers/dp14txss/examples/src/eeprom_utility/bigdigits.h
XilinxProcessorIPLib/drivers/dp14txss/examples/src/eeprom_utility/bigdtypes.h

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==
crypto-algorithms
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About

These are basic implementations of standard cryptography algorithms, written by Brad Conte (brad@bradconte.com) from scratch and without any
cross-licensing. They exist to provide publically accessible, restriction-free implementations of popular cryptographic algorithms, like AES and
SHA-1. These are primarily intended for educational and pragmatic purposes (such as comparing a specification to actual implementation code, or
for building an internal application that computes test vectors for a product). The algorithms have been tested against standard test vectors.

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Note that these are *not* cryptographically secure implementations. They have no resistence to side-channel attacks and should not be used in
contexts that need cryptographically secure implementations.

These algorithms are not optimized for speed or space. They are primarily designed to be easy to read, although some basic optimization
techniques have been employed.

Building

The source code for each algorithm will come in a pair of a source code file and a header file. There should be no inter-header file dependencies, no additional libraries, no platform-specific header files, or any other complicating matters. Compiling them should be as easy as adding the relevent source code to the project.

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xilinx_qemu for linux version 2021.2
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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,
Cambridge, England.

PCRE JUST-IN-TIME COMPILATION SUPPORT

Written by: Zoltan Herczeg
Email local part: hzmester
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pyperclip version 1.7.0
python version 3.8.3
python-attrs version 18.2.0
python-backcall version 0.2.0
python-blessings version 1.7
python-cm2 version 0.9.6
python-dateutil version 2.8.1
python-decorator version 5.0.9
python-ipython version 7.23.1
python-jedi version 0.18.0
pytz version 2020.1
qt version 4.5.3
qt version 4.8.4
rapidjson version 1.1.0
react version 16.13.1
react-is version 16.10.2
react-redux version 7.2.1
reactstrap version 8.5.1
redux version 4.0.5
redux-promise-middleware version 6.1.2
redux-thunk version 2.3.0
rich version 9.12.4
rlwrap version 0.37
rxtx version 2.1.7
safeio_files version 2019.1
scheduler version 0.19.1
scikit-learn version 0.23.1
scipy version 1.4.1
sdc version 1.70
setuptools version 41.2.0
sevenzip version 4.65
sevenzipjbind version 4.65.1.06
simple_server version 3.0.2

simplejson version 3.17
six version 1.15.0
sizzlejs version 1.7.1
skarupke-flat_hash_map version snapshot-20180712
slf4j version 1.7.5
smmap version 3.0.5
softfloat version 2b
sparse hash version 1.10
sqlite version 3.28.0
swingx version 1
swingx version 1.6.2
swingx version 1.6.3
symbol-observable version 1.2.0
systemc version 2.3.1
tcf agent version 1.1
tcf plugins version 1.4
tcl version 8.5.14
tcl version 8.5.6
tcllib version 1.11.1
tcltk version 8.4
tdom-tdom version 0.8.2
tessil-hopscotch-map version 2.3.0
tessil-robin-map version 0.6.3
tessil-sparse-map version 0.6.3
theia-plugin-packager version master
threadpoolctl   version 2.1.0
tinyexpr version 1.0
tlm version 2.3.0
tm_terminal version 4.3
traitlets version 5.0.5
treelite version 0.32
twxs-vs.language.cmake version 0.0.17
typing-extensions version 3.7.4.3
u-boot version 2019.2
u-boot version 2020.2
umich-umpack version 42-070413
unzip version 6.0
uvm version 1.2
v_frmbuf_sr_xilinx_driver version 2
v_hdmirxss_xilinx_driver version 4
v_mix_xilinx_driver version 3
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zip version 3.0

zip4j version 1.3.2
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zlib version 1.2.1
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zlib version 1.2.3
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From dso/aix/dso.c:

From strings/apr_strnatcmp.c, include/apr_strings.h:

From strings/apr_snprintf.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

```
  strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
  Copyright (C) 2000 by Martin Pool <mbp@humbug.org.au>
```

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```
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stephane@hillion.org
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 *
 * September 10, 2005
 *   Placed interface in org.apache.batik.dom.xbl for the time being.
 *   Added javadocs.
 */
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(30) - Alex Tatmanjants (targets using libc/posix)

(31) - M. Warner Losh (targets using libc/posix)

(32) - Andrey A. Chernov (targets using libc/posix)

(33) - Daniel Eischen (targets using libc/posix)

(34) - Jon Beniston (only lm32-* targets)

(35) - ARM Ltd (arm and thumb variant targets only)

(36) - Xilinx, Inc. (microblaze-* and powerpc-* targets)

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>>>> zlib 1.2.11
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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   Jean-loup Gailly   Mark Adler
   jloup@gzip.org   madler@alumni.caltech.edu

   The data format used by the zlib library is described by RFCs (Request for
   Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950
   (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).
*/

>>>> zlib gpl with exception

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/* Bison interface for Yacc-like parsers in C

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>>> zlib license
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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DRuntime: Runtime Library for the D Programming Language
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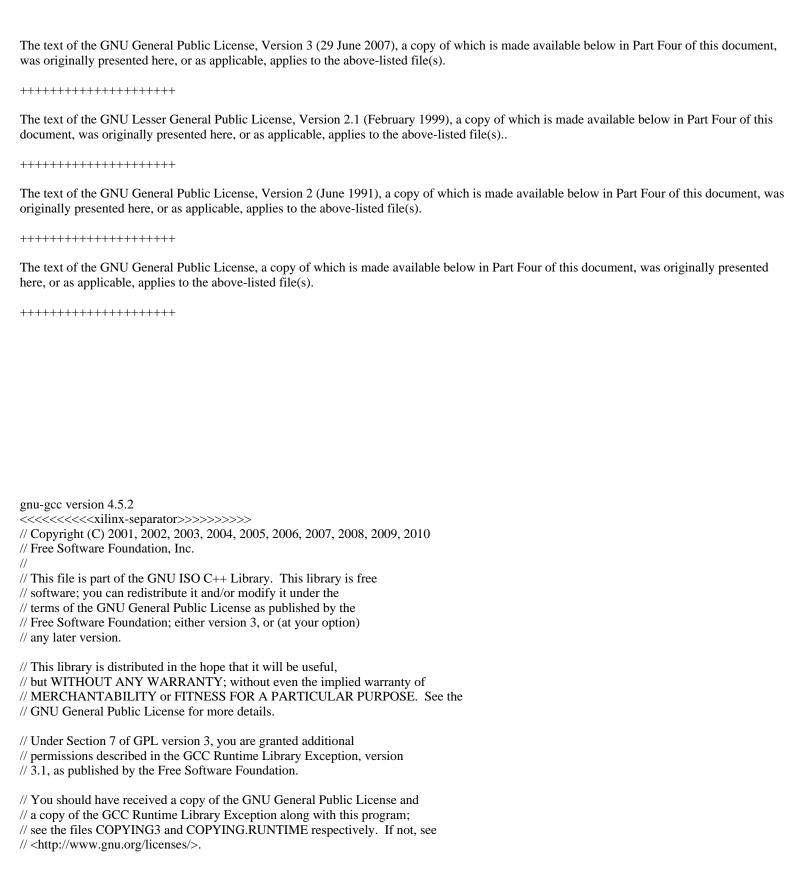version 2.1 of the License, or (at your option) any later version.

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>>> go/debian/copyright
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: golang
Source: https://github.com/golang/go

Files: *
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Files:
 src/cmd/compile/internal/gc/gsubr.go
 src/cmd/internal/objabi/autotype.go
 src/cmd/internal/objabi/head.go
 src/cmd/internal/objabi/reloctype.go
 src/cmd/internal/objabi/symkind.go
 src/cmd/internal/obj/arm64/a.out.go
 src/cmd/internal/obj/arm64/asm7.go
 src/cmd/internal/obj/arm64/list7.go
 src/cmd/internal/obj/arm64/obj7.go
 src/cmd/internal/obj/arm/a.out.go
 src/cmd/internal/obj/arm/asm5.go
 src/cmd/internal/obj/arm/list5.go
 src/cmd/internal/obj/arm/obj5.go
 src/cmd/internal/obj/mips/a.out.go
 src/cmd/internal/obj/mips/asm0.go
 src/cmd/internal/obj/mips/list0.go
 src/cmd/internal/obj/mips/obj0.go
 src/cmd/internal/obj/ppc64/a.out.go
 src/cmd/internal/obj/ppc64/asm9.go
 src/cmd/internal/obj/ppc64/list9.go
 src/cmd/internal/obj/ppc64/obj9.go
 src/cmd/internal/obj/s390x/asmz.go
 src/cmd/internal/obj/s390x/a.out.go
 src/cmd/internal/obj/s390x/listz.go
 src/cmd/internal/obj/s390x/objz.go
 src/cmd/internal/obj/data.go
 src/cmd/internal/obj/ld.go
 src/cmd/internal/obj/link.go
 src/cmd/internal/obj/pass.go
 src/cmd/internal/obj/sym.go
 src/cmd/internal/obj/x86/a.out.go
 src/cmd/internal/obj/x86/asm6.go
 src/cmd/internal/obj/x86/list6.go
 src/cmd/internal/obj/x86/obj6.go
 src/cmd/link/internal/amd64/asm.go

```
 src/cmd/link/internal/amd64/l.go
 src/cmd/link/internal/amd64/obj.go
 src/cmd/link/internal/arm64/asm.go
 src/cmd/link/internal/arm64/l.go
 src/cmd/link/internal/arm64/obj.go
 src/cmd/link/internal/arm/asm.go
 src/cmd/link/internal/arm/l.go
 src/cmd/link/internal/arm/obj.go
 src/cmd/link/internal/ld/ar.go
 src/cmd/link/internal/ld/data.go
 src/cmd/link/internal/ld/ld.go
 src/cmd/link/internal/ld/lib.go
 src/cmd/link/internal/ld/link.go
 src/cmd/link/internal/ld/main.go
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 src/cmd/link/internal/ld/symtab.go
 src/cmd/link/internal/mips/asm.go
 src/cmd/link/internal/mips/l.go
 src/cmd/link/internal/mips/obj.go
 src/cmd/link/internal/mips64/asm.go
 src/cmd/link/internal/mips64/l.go
 src/cmd/link/internal/mips64/obj.go
 src/cmd/link/internal/ppc64/asm.go
 src/cmd/link/internal/ppc64/l.go
 src/cmd/link/internal/ppc64/obj.go
 src/cmd/link/internal/s390x/asm.go
 src/cmd/link/internal/s390x/l.go
 src/cmd/link/internal/s390x/obj.go
 src/cmd/link/internal/sym/segment.go
 src/cmd/link/internal/sym/symbols.go
 src/cmd/link/internal/sym/symkind.go
 src/cmd/link/internal/x86/asm.go
 src/cmd/link/internal/x86/l.go
 src/cmd/link/internal/x86/obj.go
 src/cmd/vendor/golang.org/x/arch/x86/x86asm/testdata/libmach8db.c
 src/runtime/memclr_arm.s
 src/runtime/memmove_386.s
 src/runtime/memmove_amd64.s
 src/runtime/memmove_arm.s
 src/runtime/memmove_plan9_386.s
 src/runtime/memmove_plan9_amd64.s
 src/runtime/vlop_386.s
 src/runtime/vlop_arm.s
 src/runtime/vlrt.go
```
Origin: Plan 9 from User Space include/, src/lib9/, src/libmach/
    Inferno utils/include/, utils/libmach/, utils/6c/, utils/iar/,
        utils/6l/, utils/6a/, utils/5c/, utils/8c/, utils/iyacc/,
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Files: src/debug/dwarf/testdata/typedef.macho
 src/debug/dwarf/testdata/typedef.elf
Source: src/debug/dwarf/testdata/typedef.c
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Files:
 src/debug/macho/testdata/fat-gcc*
 src/debug/macho/testdata/clang*
 src/debug/macho/testdata/gcc*
Source: src/debug/macho/testdata/hello.c
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Files:
 src/debug/elf/testdata/*-exec
 src/debug/elf/testdata/*.obj
 src/debug/elf/testdata/hello-world-core.gz
Source: src/debug/elf/testdata/hello.c
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Files: src/debug/elf/elf.go
 src/cmd/link/internal/ld/elf.go
Origin: FreeBSD src/sys/sys/elf{32,64,_common}.h, src/sys/*/include/elf.h
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 src/math/cmplx/exp.go
 src/math/cmplx/log.go
 src/math/cmplx/pow.go
 src/math/cmplx/sin.go
 src/math/cmplx/sqrt.go
 src/math/cmplx/tan.go
 src/math/atan.go
 src/math/gamma.go
 src/math/sin.go
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 src/math/tanh.go
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Files: src/math/log1p.go
 src/math/acosh.go
 src/math/asinh.go
 src/math/atanh.go
 src/math/cbrt.go
 src/math/erf.go
 src/math/exp.go
 src/math/expm1.go
 src/math/j0.go
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Origin: Translated from idct.c in the MPEG-2 (ISO/IEC 13818-4)
    technical report video software verifier (mpeg2decode)
    version 960109
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 doc/gopher/*
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>>> bsd/mit

```go
// Package loadmacho implements a Mach-O file reader.
package loadmacho

import (
	"bytes"
	"cmd/internal/bio"
	"cmd/internal/objabi"
	"cmd/internal/sys"
	"cmd/link/internal/sym"
	"encoding/binary"
	"fmt"
	"io"
	"sort"
)

/*
Derived from Plan 9 from User Space's src/libmach/elf.h, elf.c
http://code.swtch.com/plan9port/src/tip/src/libmach/
```

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//
//   rijndael-alg-fst.c
//
//   @version 3.0 (December 2000)
//
//   Optimised ANSI C code for the Rijndael cipher (now AES)
//
//   @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
//   @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
//   @author Paulo Barreto <paulo.barreto@terra.com.br>
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package jpeg

// This file implements a Forward Discrete Cosine Transformation.

/*
It is based on the code in jfdctint.c from the Independent JPEG Group,
found at http://www.ijg.org/files/jpegsrc.v8c.tar.gz.

The "LEGAL ISSUES" section of the README in that archive says:

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>>>>
// Original source:
//   http://www.zorinaq.com/papers/md5-amd64.html
//   http://www.zorinaq.com/papers/md5-amd64.tar.bz2
//
// Translated from Perl generating GNU assembly into
// #defines generating 6a assembly by the Go Authors.

#include "textflag.h"

// MD5 optimized for AMD64.
//
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// https://developers.google.com/protocol-buffers/
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// Author: kenton@google.com (Kenton Varda)
// Based on original Protocol Buffers design by
// Sanjay Ghemawat, Jeff Dean, and others.
//
// Implements parsing of .proto files to FileDescriptorProtos.

>>> missing, libtool.m4,

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--      Package name: STD_LOGIC_TEXTIO
--
--      Purpose: This package overloads the standard TEXTIO procedures
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--
--      Author: CRC, TS
--
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info-zip version 3.0

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```

From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

```
 *
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```

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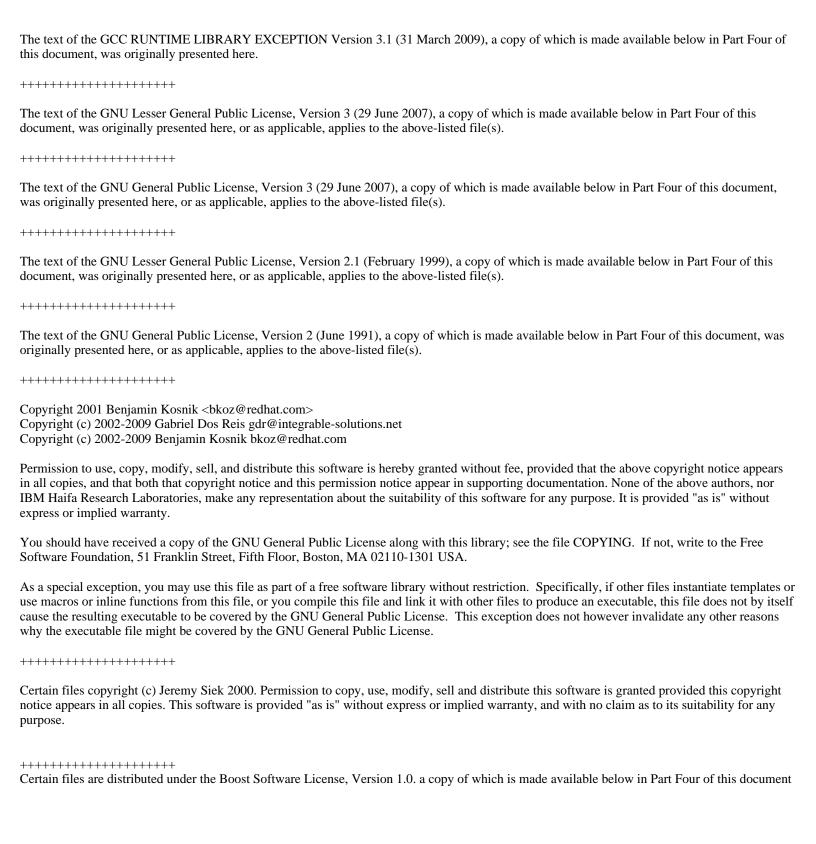
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m4_ifndef([AC_AUTOCONF_VERSION],
  [m4_copy([m4_PACKAGE_VERSION], [AC_AUTOCONF_VERSION])])dnl
m4_if(m4_defn([AC_AUTOCONF_VERSION]), [2.68],,
[m4_warning([this file was generated for autoconf 2.68.
You have another version of autoconf. It may work, but is not guaranteed to.
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libtool.m4 - Configure libtool for the host system. -*-Autoconf-*-
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*
* This differs from Colin Plumb's older public domain implementation in that
* no exactly 32-bit integer data type is required (any 32-bit or wider
* unsigned integer data type will do), there's no compile-time endianness
* configuration, and the function prototypes match OpenSSL's.  No code from
* Colin Plumb's implementation has been reused; this comment merely compares
* the properties of the two independent implementations.
*
* The primary goals of this implementation are portability and ease of use.
* It is meant to be fast, but not as fast as possible.  Some known
* optimizations are not included to reduce source code size and avoid
* compile-time configuration.
*/
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23.9. "License Offering" means the specific rights, restrictions, and obligations under which Licensee may install and use a Program for the applicable License term as further described in the Program Offering Guide.

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23.12. "Licensor" means the person who, or entity which, grants a license to MathWorks to redistribute that person's or entity's intellectual property.

23.13. "Linked" means an executable or loadable file created by a compiler or linker program combining Object Code module files.

23.14. "MATLAB Runtime" means MATLAB Runtime support libraries and other files for deployment of Applications.

23.15. "Object Code" means the code created by a system compiler from source code; also called "machine-readable code." Object Code can be Linked with an appropriate linker to resolve address references and may be combined with other Object Code for targeted execution on a specific processor. Object Code includes "Object Code libraries" and "shared libraries," which are groupings of Object Code for specific purposes.

23.16. "Perpetual License" means the right to use the License indefinitely provided that the Licensee always remains in compliance with the terms of this Agreement.

23.17. "Program" means the software licensed hereunder, including Program Components, Documentation, enhancements, and error corrections. Each product licensed hereunder is a separate Program.

23.18. "Program Component" means any portion of, or file provided with, a Program.

23.19. "Program Offering Guide" means the Program Offering Guide for this release, presented after this Agreement.

23.20. "Source Code" means human-readable code written in a higher-level language such as C, C++, Java, MATLAB, MDL, SLX, VHDL, Verilog, or Fortran, which must be translated or compiled into machine-readable code before it can be executed by a computer. Source Code also includes header files and other human-readable files necessary for a Program to be compiled in the higher-level language.

23.21. "Third Party" means any person or legal entity that is not MathWorks, the Licensee, or an Affiliate.

23.22. "Transformation Program" means a Program whose primary purpose is to transform input files into output files without user interaction, including Programs used for the principal purpose of compiling, translating, or generating Source Code and Programs used for the principal purpose of verification, validation or inspection of design or Source Code, or report generation. See the Program Offering Guide for a full list of Transformation Programs.

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PROGRAM OFFERING GUIDE

RELEASE 2017b

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This Program Offering Guide is an integral part of the Documentation for Release 2017b.

* Part One describes each of the different License Offerings.

* Part Two explains your limited rights to modify Program Components and distribute Applications that are made using the Programs that you license from MathWorks.

* Part Three identifies the Transformation Programs for which a separate license is required to provide server access or system automation.

* Part Four provides information about MathWorks Software Maintenance Service.

* Part Five contains a Glossary of definitions of capitalized terms used in this Program Offering Guide. Any capitalized terms used in this Program Offering Guide that are not in the Glossary are defined in The MathWorks, Inc. Software License Agreement (the "Software License Agreement").

The Software License Agreement contains additional rights, restrictions, and obligations that apply to your licensed Programs and Applications.

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PART ONE: LICENSE OFFERINGS

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(i) a License Option that specifies principally how the License Offering works and is measured or counted;

(ii) a License Use that specifies who can use the Programs in terms of the types of organizations, individuals, or activities eligible to use the License Offering; and, if applicable,

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(iv) The Computer login of the Named User may not be shared with any other individual.

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(i) The Designated Computer License Option provides for use of Programs on a single, physical (not virtual) designated Computer.

(ii) The Programs may be operated by only one Licensed User at any given time.

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(iv) The Licensee may redesignate the Computer, whether temporarily or not, up to four (4) times in any twelve (12) month period.

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(i) The Network Named User License Option provides for a specified number of designated Named Users to use the Programs on any Computer that is connected to the same, single License Manager.

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(iv) A Named User may not use a Program on more than two (2) Computers simultaneously.

(v) The Programs may be installed in a central location or on individual Computers to accelerate startup times as long as the use on all Computers is controlled by the same, single License Manager.

(vi) The Licensee may redesignate the Named Users for a Program, whether temporarily or not, up to four (4) times in any twelve (12) month period.

(vii) A Computer login of a Named User may not be shared with any other individual.

(viii) The Network Named User License Option is only available for Standard License Use.

1.4. Concurrent License Option[fn1]

(i) The Concurrent License Option provides for a specified number of concurrent keys for each Program on the License that may be used simultaneously by Licensed Users on any Computer that is connected to the same, single License Manager.

(ii) Before using a Program on any Computer, the Licensed User must check out a separate concurrent key from the License Manager for that Computer.

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(iv) The Programs may be installed in a central location or on individual Computers to accelerate startup times as long as the use on all Computers is controlled by the same, single License Manager.

(v) Licensees are prohibited from providing Program access to users located outside the Country[fn2] for which the Program is licensed unless Licensee has contracted for global use.

(vi) For Academic and Classroom License Uses, installation of the Programs on students' own Computers is not permitted.

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(ii) Use rights and associated License Options are determined based on the type of License acquired: Academic, Classroom, Total Academic Headcount, Total Student Headcount, or Primary and Secondary Schools.

(iii) Technical support and installation support are available for faculty and academic staff. Installation support is available for students.

2.2.1. Academic

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(iii) Research use is not permitted.

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(iii) Each Primary and Secondary School License is limited to a single physical address.

2.3. Student

(i) Student Licenses may be licensed by students enrolled in degree-granting educational institutions, or primary and secondary schools, or those participating in a continuing education program at a degree-granting educational institution. A Licensee may use the Programs only on a single physical (not virtual) Computer owned or leased by the student.

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(iii) A Student License may not be used for activities that are commercial, for profit, professional (except for primary and secondary school teachers using the License for the purpose of teaching at such schools), government, or revenue-generating.

(iv) The Programs may only be accessible to, and used by, the Licensee.

(v) Technical support for Student Licensees is limited to installation support.

(vi) A Student License is not transferable.

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(i) A Home License may be licensed by an individual and may be used only for personal use. A Home License may not be used for activities that are commercial, for profit, professional, academic, government, or revenue-generating.

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(iii) The Programs may only be accessible to, and used by, the Licensee.

(iv) Technical support for Home Licensees is limited to installation support.

(v) A Home License is not transferable.

(vi) Returns and refunds of Home License purchases are subject to the refund policies at the time and point of purchase.

3. Specific Program Use Rights

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3.1.1. General MDCS Use Rights

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(ii) If you have a Total Academic Headcount License: (1) the Programs may be controlled by separate License Managers, and (2) the number of simultaneous Program sessions by each Licensed User may not exceed the number of MDCS workers licensed.

(iii) You must have access to a valid license to Parallel Computing Toolbox and any Programs you wish to use with MDCS in order to be able to run sessions of such Programs through MDCS. Access to the MDCS worker must be enabled through a validly licensed use of Parallel Computing Toolbox.

(iv) Access to MDCS may not be made available to any user outside the country for which MDCS is licensed, unless the Licensee has contracted for global use or is using an Educational Institution License.

(v) Access to MDCS may not be made available to any Third Party unless expressly allowed by your License Use.

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3.2. MATLAB Production Server

Licensed Users of MATLAB Production Server (MPS) are permitted to install and use MPS for the sole purpose of scheduling and running

Applications generated with Licensee's validly licensed MATLAB Compiler Program, provided that the number of workers running simultaneously on one or more Computers does not exceed the number of MPS workers acquired. Licensee may make the Applications running on MPS accessible to end-users globally, including Third Parties, via a web interface, or other interface provided by Licensee, subject to the restrictions of Part Two, Section 3.1 of this document (Deployment Rights; MATLAB Compiler).

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PART THREE: TRANSFORMATION PROGRAMS

The Transformation Programs are:

MATLAB Coder

Simulink Coder

Embedded Coder

HDL Coder

GPU Coder

Filter Design HDL Coder

Simulink PLC Coder

MATLAB Compiler

MATLAB Compiler SDK

Simulink Design Verifier

Simulink Code Inspector

MATLAB Report Generator

Simulink Report Generator

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* Converting License Option[fn6]

* Transferring Programs[fn5,fn6]

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  * @version V1.0.1
  * @date    25-June-2015
  * @brief   Header file of USB Core HAL module.
  ******************************************************************************
  * @attention
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 * This file is part of the Micro Python project, http://micropython.org/
 *
 * These math functions are taken from newlib-nano-2, the newlib/libm/math
 * directory, available from https://github.com/32bitmicro/newlib-nano-2.

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/* ef_rem_pio2.c -- float version of e_rem_pio2.c
 * Conversion to float by Ian Lance Taylor, Cygnus Support, ian@cygnus.com.
 */

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/****************************************************************
* Filename:   sha256.c
* Author:     Brad Conte (brad AT bradconte.com)
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* Disclaimer: This code is presented "as is" without any guarantees.
* Details:    Implementation of the SHA-256 hashing algorithm.
              SHA-256 is one of the three algorithms in the SHA2
              specification. The others, SHA-384 and SHA-512, are not
              offered in this implementation.
              Algorithm specification can be found here:
               * http://csrc.nist.gov/publications/fips/fips180-2/fips180-2withchangenotice.pdf
              This implementation uses little endian byte order.
****************************************************************/

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(27) Konstantin Chuguev (--enable-newlib-iconv)

   iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

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The rk_random and rk_seed functions algorithms and the original design of
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Original algorithm for the implementation of rk_interval function from
Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by
Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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 * This differs from Colin Plumb's older public domain implementation in that
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 * unsigned integer data type will do), there's no compile-time endianness

```
 * configuration, and the function prototypes match OpenSSL's.  No code from
 * Colin Plumb's implementation has been reused; this comment merely compares
 * the properties of the two independent implementations.
 *
 * The primary goals of this implementation are portability and ease of use.
 * It is meant to be fast, but not as fast as possible.  Some known
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  The data format used by the zlib library is described by RFCs (Request for
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*/
```

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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
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In May 2000, Guido and the Python core development team moved to
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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the
Netherlands as a successor of a language called ABC. Guido remains PythonÂ©s principal author, although it includes many contributions from
others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in
Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see https://www.zope.org/). In 2001, the Python Software
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Release

Derived from

Year

Owner

GPL compatibleÂ©

0.9.0 thru 1.2

n/a

1991-1995

CWI

yes

1.3 thru 1.5.2

1.2

1995-1999

CNRI

yes

1.6

1.5.2

2000

CNRI

no

2.0

1.6

2000

BeOpen.com

no

1.6.1

1.6

2001

CNRI

no

2.1

2.0+1.6.1

2001

PSF

no

2.0.1

2.0+1.6.1

2001

PSF

yes

2.1.1

2.1+2.0.1

2001

PSF

yes

2.1.2

2.1.1

2002

PSF

yes

2.1.3

2.1.2

2002

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yes

2.2 and above

2.1.1

2001-now

PSF

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Mersenne Twister
The _random module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html.
The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)
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The socket module uses the functions, getaddrinfo(), and getnameinfo(), which are coded in separate source files from the WIDE Project,
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Original location:
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Solution inspired by code from:
   Samuel Neves (supercop/crypto_auth/siphash24/little)
   djb (supercop/crypto_auth/siphash24/little2)
   Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

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cfuhash

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mkdepend : generate dependency information from C/C++ files

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==
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==

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6) ./generic/regguts.h - "Environmental customization. It should not (I hope) be necessary to alter the file you are now reading -- regcustom.h should handle it all, given care here and elsewhere."
8) ./generic/regfree.c - "You might think that this could be incorporated into regcomp.c, and that would be a reasonable idea... except that this is a generic function (with a generic name), applicable to all compiled Res regardless of the size of their characters, whereas the stuff in regcomp.c gets compiled once per character size."
9) ./generic/regc_lex.c - "scanning macros (know about v)"
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A Bison parser, made by GNU Bison 2.3.

Skeleton implementation for Bison's Yacc-like parsers in C

C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser.

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Identify Bison output.

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RCS: @(#) $Id: tclLoadAix.c,v 1.6 2007/04/16 13:36:36 dkf Exp $

Note: this file has been altered from the original in a few ways in order to work properly with Tcl.

@(#)dlfcn.c   1.7 revision of 95/08/14 19:08:38
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RCS: @(#) $Id: dlfcn.h,v 1.2 1998/09/14 18:39:44 stanton Exp $

@(#)dlfcn.h   1.4 revision of 95/04/25 09:36:52
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* **Tianqi Chen** (member of DMLC) offered many great ideas for the conception
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* **Mu Li** (member of DMLC) provided advice and resources to develop treelite
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no

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1.6.1        1.6      2001     CNRI      yes (2)
2.1          2.0+1.6.1 2001    PSF       no
2.0.1        2.0+1.6.1 2001    PSF       yes
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u-boot version 2019.2
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Summary:
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This directory contains the source code for U-Boot, a boot loader for
Embedded boards based on PowerPC, ARM, MIPS and several other
processors, which can be installed in a boot ROM and used to
initialize and test the hardware or to download and run application
code.

The development of U-Boot is closely related to Linux: some parts of
the source code originate in the Linux source tree, we have some
header files in common, and special provision has been made to
support booting of Linux images.

Some attention has been paid to make this software easily
configurable and extendable. For instance, all monitor commands are
implemented with the same call interface, so that it's very easy to
add new commands. Also, instead of permanently adding rarely used
code (for instance hardware test utilities) to the monitor, you can
load and run it dynamically.

Status:
=======

In general, all boards for which a configuration option exists in the
Makefile have been tested to some extent and can be considered
"working". In fact, many of them are used in production systems.

In case of problems see the CHANGELOG and CREDITS files to find out
who contributed the specific port. The MAINTAINERS file lists board
maintainers.

Where to get help:
==================

In case you have questions about, problems with or contributions for
U-Boot you should send a message to the U-Boot mailing list at
<u-boot@lists.denx.de>. There is also an archive of previous traffic
on the mailing list - please search the archive before asking FAQ's.
Please see http://lists.denx.de/pipermail/u-boot and
http://dir.gmane.org/gmane.comp.boot-loaders.u-boot

Where to get source code:
=========================

The U-Boot source code is maintained in the git repository at
git://www.denx.de/git/u-boot.git ; you can browse it online at
http://www.denx.de/cgi-bin/gitweb.cgiÂ©p=u-boot.git;a=summary

The "snapshot" links on this page allow you to download tarballs of
any version you might be interested in. Official releases are also
available for FTP download from the ftp://ftp.denx.de/pub/u-boot/
directory.

Pre-built (and tested) images are available from
ftp://ftp.denx.de/pub/u-boot/images/

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jseward@acm.org
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   Peter Fenwick
   Alistair Moffat
   Radford Neal
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 *
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 * Copyright (c) 2009 Robin Getz <rgetz@blackfin.uclinux.org>
 *
 * This is a simple DNS implementation for U-Boot. It will use the first IP
 * in the DNS response as NetServerIP. This can then be used for any other
 * network related activities.
 *
 * The packet handling is partly based on TADNS, original copyrights
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 *
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/* zlib.h -- interface of the 'zlib' general purpose compression library
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  The data format used by the zlib library is described by RFCs (Request for
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  (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).
*/

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http://result42.com) For more info read MiniZip_info.txt Decryption code comes
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revised: [see crypt.h] The encryption/decryption parts of this source code (as
opposed to the non-echoing password parts) were originally written in Europe.
The whole source package can be freely distributed, including from the USA.
(Prior to January 2000, re-export from the US was a violation of US law.) This
encryption code is a direct transcription of the algorithm from Roger Schlafly,
described by Phil Katz in the file appnote.txt. This file (appnote.txt) is
distributed with the PKZIP program (even in the version without encryption
capabilities). Changes in unzip.c 2007-2008 - Even Rouault - Addition of
cpl_unzGetCurrentFileZStreamPos 2007-2008 - Even Rouault - Decoration of symbol
names unz -> cpl_unz 2007-2008 - Even Rouault - Remove old C style function
prototypes 2007-2008 - Even Rouault - Add unzip support for ZIP64 Copyright (C)
2007-2008 Even Rouault Oct-2009 - Mathias Svensson - Removed cpl_ from symbol
names (Even Rouault added them but since this is now moved to a new project
(minizip64) I renamed them again). Oct-2009 - Mathias Svensson - Fixed problem
if uncompressed size was > 4G and compressed size was <4G should only read the
compressed/uncompressed size from the Zip64 format if the size from normal
header was 0xFFFFFFFF Oct-2009 - Mathias Svensson - Applied some bug fixes from
paches recived from Gilles Vollant Oct-2009 - Mathias Svensson - Applied support
to unzip files with compression mathod BZIP2 (bzip2 lib is required) Patch
created by Daniel Borca Jan-2010 - back to unzip and minizip 1.0 name scheme,
with compatibility layer Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault,
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03 May 2005
Updated 16 Apr 2009

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  A "Combined Work" is a work produced by combining or linking an
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  The "Minimal Corresponding Source" for a Combined Work means the
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  whatever part of its purpose remains meaningful, or

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be required to provide such information under section 6 of the
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necessary to install and execute a modified version of the
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Application with a modified version of the Linked Version. (If
you use option 4d0, the Installation Information must accompany
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5. Combined Libraries.

You may place library facilities that are a work based on the
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 numbered 2 because it goes with version 2 of the ordinary GPL.]

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with the library, after making changes to the library and recompiling
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the same as in the ordinary license.

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program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is
analogous to running a utility program or application program. However, in
a textual and legal sense, the linked executable is a combined work, a
derivative of the original library, and the ordinary General Public License
treats it as such.

  Because of this blurred distinction, using the ordinary General
Public License for libraries did not effectively promote software
sharing, because most developers did not use the libraries. We
concluded that weaker conditions might promote sharing better.

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    c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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    (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the

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  This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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  However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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  If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative

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  6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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  For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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              END OF TERMS AND CONDITIONS

    Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

   <one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

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   library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
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All Python releases are Open Source (see http://www.opensource.org for
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Release	Derived from	Year	Owner	GPL-compatibleÂ© (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
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2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes

2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
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