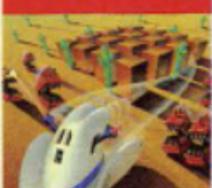


# TEXAS INSTRUMENTS HOME COMPUTER PROGRAM LIBRARY

<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>CAR WARS</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>APPEALING MATHS/PLK ACEN</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>TOMBSTONE CITY</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>W3 BRAWLBOYBOYS</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 
<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>THE GREAT WIKI</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>PARSEC</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>ALBUQUERQUE MIX</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>MIND CHALLENGERS</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 
<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>SHOOT THE GARDENUS</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>ORBITATION DIVISION</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>VIDEO CHENN</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>CRUISE/OLM TRAIL</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 
<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>MINUS MATHS/EN</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>PERSONAL RECORD KEEPING</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>NUMBER MARCH</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 	<p>TEXAS INSTRUMENTS HOME COMPUTER ORIGINATOR FAMILIAL</p> <p><b>4-MAZE/ING</b></p> <p>100,000 CARBONS PROGRAMME CAPABILITY</p> 

# TEXAS INSTRUMENTS



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# The software world of the TI99/4A Home Computer

A world of education and interest, exciting and creative entertainment, rational and rewarding organisation. A world in which you can start small and move on to higher level programming languages, learning computer literacy along the way. A world in which you can use your computer to explore a multitude of professional and other applications. The TI99/4A Home Computer from Texas Instruments offers you all this with its virtually unlimited program possibilities and opportunities. A library of knowledge is at your disposal, worldwide, on Solid State Software cartridges, diskettes and cassettes specially devised for the TI99/4A. And you don't have to be an expert to take advantage of them.

## Knowledge in a package

Programs are available in one of three handy formats. First there are the easy-to-use **Solid State Software** cartridges originally devised by Texas Instruments. Just plug it in and you're ready to go straight away...Then there are programs that are on small floppy **diskettes**.

When you use a disk memory system you have instant access to data and programs on magnetic disk and they can be loaded into the computer in a matter of seconds.

Finally there are programs on standard audio tape **cassettes** for which you need a TI or conventional cassette recorder and a cable for connecting it to the main console. You're then able to store programs and data on cassette and use all the available cassette software.

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## Media

In the following listing of software packages from Texas Instruments you'll find one of the following symbols preceding each program so that you can instantly see in which medium it is available.



**SOLID STATE SOFTWARE  
CARTRIDGE**



**DISKETTE**



**CASSETTE**

## Interest

The software packages are divided into four interest groups.



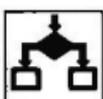
**EDUCATION**



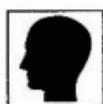
**HOME ENTERTAINMENT**



**HOME MANAGEMENT**



**COMPUTER PROGRAM**



# Education

## **Addition/ Subtraction 1<sup>1)</sup>**



This is the initial module in a series developed in conjunction with Scott, Foresman and Company, a leading publisher of educational textbooks. Teaches basic arithmetic skills and provides drills for reinforcement. For school beginners.

Speech Synthesizer recommended.

## **Addition/Subtraction 2<sup>1)</sup>**



Second in a series of addition and subtraction tutorial packages involving more difficult problems and techniques than found in Addition/Subtraction 1.

Speech Synthesizer Recommended.

## **Alien Addition<sup>2)</sup>**



Alien invaders can be stopped only by firing a laser cannon which “equalizes” the enemy with correct answers to addition problems on the alien spacecraft.

Fast moving educational game.

## **Alligator Mix<sup>2)</sup>**



Hungry alligators must be fed— but they only eat apples which bear the correct answers to the addition or subtraction problems which appear on their stomachs.

Exciting educational game.

## **Beginning Grammar**



Engaging and colourful activities that introduce the basic parts of speech and how they are used to build sentences. Valuable practice and hours of fun for children ages 6 to 10.

Also suited for beginners of English language.

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<sup>1)</sup> Developed in conjunction with Scott, Foresman.

<sup>2)</sup> Trademark of Development Learning Materials.



# Education

## Computer Math Games<sup>3)</sup>

### I, II, III, IV + VI

Challenging new way to learn maths.  
Five exciting new cartridge for age  
5 to 10 years.



## Demolition Division<sup>2)</sup>

Four tanks, each carrying a division problem,  
advance toward barricades which protect  
your cannons. Your only ammunition is the  
correct answer to the division problems which  
each tank carries.



## Division<sup>1)</sup>

Animation, colour and graphics are used to  
teach the meaning of division and basic facts of  
division. Concepts are taught and practised.  
Users are automatically provided with extra  
help if their performance is low.  
For children aged 6 to 10.  
Speech Synthesizer recommended.



## Dragon mix<sup>2)</sup>

The vigilant dragon stands guard, but the  
enemies of the city are advancing. The fire-  
breathing dragon can defend the city only when  
you rapidly match the correct answers to  
the multiplication and division problems which  
the invaders carry.



## Early Learning Fun

Helps teach shapes number and letter recogni-  
tion, counting, sorting, and the alphabet—as  
well as teaching first computer skills.



## Early Reading<sup>1)</sup>

Engaging colour graphics and computer speech  
introduce and reinforce important reading  
skills. Great learning experience and fun for  
beginning readers. Also suited for beginners of  
English language.  
Speech Synthesizer recommended.



<sup>1)</sup> Developed in conjunction with Scott, Foresman.

<sup>2)</sup> Trademark of Development Learning Materials.

<sup>3)</sup> Developed by Addison-Wesley Publishing Company.



## Market Simulation



A simulation package that places two contestants in head-on business competition. Choose the amount of advertising, how many units to produce, etc. and watch the results. Strikes and economic changes make this educational game even more realistic.

## Meteor Multiplication<sup>2)</sup>



A “meteor shower” threatens a star station. You help the star station defend itself against each of the meteors, which beat multiplication problems, by firing a cannon loaded with the correct answer.

## Minus Mission<sup>2)</sup>



A robot defends its territory from the “creeping slime”. Blobs of slime carrying subtraction problems can be destroyed only if you provide the robot with the correct answers.

## Multiplication 1<sup>1)</sup>



Colour graphics and sounds are used in a combination of tutorial and drill. The cartridge covers the meaning of multiplication and basic facts of multiplication.

Extra help is automatically provided if the user does poorly in the practice sections.

For ages 8 to 11.

## Music Maker



A music composition package that lets even a novice composer create computer music by simply arranging notes on an electronic musical staff. A terrific home music introduction tool for children and adults. Create your own musical compositions with this easy-to-use package. Data storage system recommended.

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1) Developed in conjunction with Scott, Foresman.

2) Trademark of Development Learning Materials.  
scansion by [www.ti99iuc.it](http://www.ti99iuc.it)



## Number Magic



An exciting maths-education program. Provides valuable enrichment, drill and practice in basic mathematics—with exciting full-colour displays and sound. Rewarding fun and learning for children ages 6 and up.

## Numeration I<sup>1)</sup>



Designed for children 5 to 7 years old, this cartridge introduces basic numer concepts including grouping, greater than, less than, and place value through the use of some tutorial examples.

## Numeration II<sup>1)</sup>



Children aged 7 to 10 years can use this cartridge to learn more about basic maths facts introduced in Numeration I, the addition of number rounding and the expansion of some of the basic concepts learned in the previous package. This program also includes tutorial examples.

## Teach Yourself Extended BASIC



Learn how to use Extended BASIC through this tutorial program. A progressive learning process helps you learn what can be done with this high-level language. Includes seven chapters of tutorial lessons.  
Requires Extended BASIC module.

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<sup>1)</sup> Developed in conjunction with Scott, Foresman.



## Education

### TI LOGO II



This child-appropriate computer language not only develops computer awareness, but enriches a child's math, logic and communication skills as well. Based on a philosophy of education developed by Seymour Papert at the Massachusetts Institute of Technology (MIT), TI LOGO creates computer-based environments in which mathematics and other areas of "formal" learning can occur in a natural manner. Students actually teach the computer how to do things! Logo II has music capability, larger sprites and twice the memory capacity of Logo I.

● Requires RAM Expansion Memory.

### Touch Typing Tutor



Teaches touch typing on the TI-99/4A Home Computer keyboard.

Measures and improves typing speed and selects appropriate exercises.



## Adventure<sup>7)</sup>



With the Adventure module and one of the many cassette-based games developed by Adventure International you can experience many different adventures without leaving the comfort of your home. Each game challenges your powers of logical reasoning and many requires hours, or even weeks, to complete. Pirate Adventure game on cassette included in this package.

The following Adventure games developed by Adventure International are available and may be used with the Adventure Module:

### Adventures Titles available:



- The Count
- Strange Odyssey
- Mystery Fun house
- Pyramid of Doom
- Ghost Town
- Savage Island I and III
- Golden Voyage
- Woodoo Castle
- Mission impossible
- Adventureland

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<sup>7)</sup> Developed by Scott Adams.



## Alpiner



This game for one or two players is a “climbing” game of skill and challenge. There is a total of six mountains that one can climb:

Hood, Matterhorn, Kenya, McKinley, Garmo and Everest. Climber must face different animal hazards, including lions, bears and skunks.

They must also face natural hazards such as rockfalls, forest fires and avalanches. Speech Synthesizer recommended.

## A-Maze-Ing



If you like mazes, you will love A-Maze-Ing. Different options gives users a variety of maze situations. From simple mazes to a cat-and-mouse chase situation. Thirteen options with a total of 5200 different variations are possible.

## Blackjack and Poker<sup>5)</sup>



These computer-simulated card games allow betting with a sum of money you only wish you had. Up to four players can play these popular card games. For ages 10 and older.

## Blasto<sup>5)</sup>



A one or two players tank battle game. Aim to destroy a field of mines while avoiding your opponent's fire. Fastpaced race against the clock to hit the most mines. But don't hit the mines at close ranger or you'll have to start again.

Great game for ages 10 and older.

## Car Wars



Enjoy the excitement of high-speed racing, combined with the challenge of out-manoeuving a canny opponent. Pit your speed and skill against the computer's as you try to get your car around the track without getting “crashed” off the field.

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<sup>5)</sup> Developed by Milton Bradley Company.



## Chisholm Trail



This fast-moving game requires the user to move a “steer” through the maze on the screen in order to kill four “brand” monsters and one very special monster, the “wrangler”.

## Connect Four<sup>5)</sup>



A challenging strategy game. Players must get four markers in a row—down, across, or diagonally—to win.  
For ages 10 and up.

## Hangman<sup>5)</sup>



Players try to figure out the mystery word. Each wrong guess brings you closer to the gallows. Use 200 preprogrammed English words or create 60 of your own.  
For ages 6 and up.

## Hunt the Wumpus



An exciting hunt in a hidden maze of caverns and twisted tunnels! Seek out the lair of the Wumpus while avoiding perils along the way. Carefully evaluate the clues to ensure the completion of this dangerous mission.

## Hustle<sup>5)</sup>



Direct a snake-like object to hit targets while avoiding your opponent, the edge of the screen, and even yourself! This fast-paced game for one or two players requires quick reflexes and eye-hand coordination.  
For ages 10 and up.

## Indoor Soccer



Computer version of fast-paced five-a-side soccer. Includes passes, shots, interceptions, saves, tackles and many other soccer tactics. Control the players for exciting action—you can even watch a slow-motion instant replay of each score. For soccer fans 8 and older.

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<sup>5)</sup> Developed by Milton Bradley Company.  
*downloaded from [www.ti99iuc.it](http://www.ti99iuc.it)*



## Mind Changers



Two challenging games are included in this package. Game I challenges the player(s) to echo a sequence of notes (up to 64 notes). Game II is a codebreaking game using shappes and colours. For ages 10 and up.

## Munch Man



Manoeuvre the Munch Man through a maze and try to reach an energizer before being devoured by the four Hoonos who are in hot pursuit. Score points by connecting the passages with a continuous chain or capturing the cunning Hoonos while the Munch Man is energized.

## Othello<sup>4)</sup>



This ancient strategy game will stretch even the most advanced players. An exciting board game that takes only moments to learn but a lifetime to master. For strategists of all ages.

## Parsec



Battle a variety of alien attack ships as you lead your space squadron in defense of a distant outpost. A fast moving space game. Speech Synthesizer recommended.

## The Attack<sup>5)</sup>



Play the commander of a ship in a region of space infested by "spores" and "aliens" which must be destroyed. Manoeuvre your ship to avoid the aliens and fire missiles to destroy the enemy. For the entire family.

## TI Invaders



Your world is under attack by numerous nasty creatures from space. You must use your wits and quick movements in this one-player game to destroy the multi-coloured creatures with your missiles.

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<sup>4)</sup> Developed by CBS Toys.

<sup>5)</sup> Developed by Milton Bradley Company.



## **Tombstone City: 21st Century**



You find yourself in a 21st Century Old West Ghost Town threatened by an invading hoard of green alien morgs. They live off only two things—tumbleweeds and people. You and your security force of prairie schooners try to stop the “morgs” before they infest the earth. A one-player game.

## **Tunnels of Doom**



Enter world of fantasy, fight countless monsters, gather treasure and save the king, tunnels of Doom includes two games: Quest for the King and Pennies and Prizes.

## **Video Chess**



This powerful but easy-to-use package keeps track of all moves, gives you help if you want it and provides a challenging opponent—or play with an opponent of your choice. You can choose the level of difficulty and the computer can even save a particular game for later replay. Developed with the assistance of International Master David Levy. For chess players of all ages.

## **Video Games I**



Practice you aim with Pot-Shot, try your skill at Pinball, or trap your opponent with Doodle. Three exciting video games that will provide hours of fun-filled entertainment for the entire family.

## **Yahtzee<sup>5)</sup>**



This exciting dice game combines strategy and chance. Players build points by rolling certain numbers combinations. Ages 8 and up.

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<sup>5)</sup> Developed by Milton Bradley Company.



## Home Financial Decisions



Helps you make informed decisions regarding general loans, home and car buying, and personal savings.

## Household Budget Management



Helps set budget guidelines, track income and expenses, spot problem areas and keep easily accessible records. Set up a budget system to coordinate your income and expenses—month by month, category by category. Compare your actual income and expenses to previously projected figures to help find problem areas. Also provides instant graphis analysis and tables.

## Mailing List



Stores, alphabetizes, sorts or searches for mailing list information. Handles names, addresses, telephone numbers and other related mailing information. Keep mailing list information for business associates, Christmas card recipients, or even bowling team. Also provides quick and easy “look up” procedures.

## Microsoft Multiplan Electronic Worksheet



Microsoft<sup>6)</sup>, Multiplan<sup>6)</sup>, Electronic Worksheet is a personal productivity tool that will help you analyze data and make simulations. As an aid for both business and personal needs, Multiplan is one of the most powerful modeling and planning tools ever invented. Multiplan allows you to perform typical spread sheet calculations. Multiplan is easy to learn and versatil. You'll be surprised at how quickly and efficently you'll accomplish various tasks.

Requires RAM Expansion plus Disk System.

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<sup>6)</sup> Trademark of Microsoft.



## Personal Financial Aids



A powerful computerised tool for dealing with many home financial problems—provides financial statement development; programs on loan amortization schedules; depreciation computations and mortgage analysis.

## Personal Record Keeping



Create, maintain and utilise a computer-based filing system that is useful and convenient for a variety of applications—including home inventory for insurance purposes, car maintenance records, medical and dental records, and a complete reference medium for birthdays, anniversaries and other important occasions.

## Personal Report Generator



Create, edit and print standard letters and reports using data from a file created with Personal Record Keeping or Statistics cartridge. Ideal for clubs and societies.

## Statistics



Performs a variety of statistical calculations for you with computer speed and accuracy. Leaves you more time to analyse the results and apply them to your particular situation. Can also be used to analyse data from Personal Record Keeping cartridge.

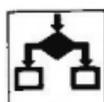
Includes descriptive statistics, correlation, linear regression analysis and other inferential statistical evaluations.



## TI Writer

The TI Writer word-processing module was designed to provide many of the features of larger and more complex word-processing systems for users of the TI99/A4. Text editing and formatting include features such as insertion and deletion of text and lines, automatic paragraph indentation, right margin justification, automatic word wrapping, overstriking and underlining, moving and copying text and document reformatting. User can create, edit, save and print documents with the text-editor option either word-wrap or fixed mose—word-wrap mode for documents in paragraph form, fixed mode for charts, tables, etc. Documents can be printed directly from the text-editor option, or text-formatting commands can be inserted into the document, stored on disk and printed with the text-formatter option.

Requires RAM Expansion plus Disk System.



# Computer Program

## Editor Assembler



Allows the user to program the TI99/4A in TMS9900 Assembler language. Enables direct access to all system features, including sound, speech, graphics and I/O as well as providing the fastest speed possible from the computer's 16-bit microprocessor. Assembly-language routines may be run either as stand-alone programs or linked into TI Basic or TI Extended Basic programs through the use of a subroutine call. The package includes two floppy diskettes and an owner's manual providing extensive documentation of the software's architecture. Also included in the package is the source and object code for an interactive assembly-language debugger.

This package can also execute assembly-language programs.

Requires RAM Extension plus Disk System.

## Extended BASIC



Programming language compatible with TI-99/4A BASIC with the following feature enhancements multi-statement lines, IF-THEN-ELSE statements, direct screen accessing, output formatting with "using" clause, BASIC sub-programs, easy control of up to 28 sprites from BASIC program chaining, merging of code, protected programs, "ON ERROR" statements and Boolean functions (AND, OR, NOT, etc.).



## Mini Memory

This cartridge provides additional memory for your system as well as important tools for program development. The cartridge also contains a built-in battery, permitting the programs and data stored in the cartridge's random-access memory to be retained when the computer console is turned off, even if the cartridge is removed from the console. The module has a total of 14 Kbytes of memory, i.e. 6 Kbytes of graphics read-only memory (GROM), 4 Kbytes of real-only memory (ROM), 4 Kbytes of random-access memory (RAM). Besides this 4-Kbyte RAM file in the cartridge itself, the RAM expansion card, if attached, can be used by TI Basic programs when the Mini Memory cartridge is inserted. Other features include additional file-handling capabilities, enabling TI Basic sub-programs, a resident debugging program and a line-by-line assembler and line-drawing program.



## Programming Aids I

Provides knowledgeable programmers with more powerful tools for enhancing TI-BASIC. Includes the following capabilities: cataloging disks, "DISPLAY AT", "ACCEPT AT", screen print, lower-case letters, second ASCII set subroutines and user-defined characters.



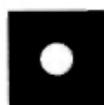
## Programming Aids II

Provides the experienced user with the ability to sort information into alphabetic or numeric order for reporting or processing purposes. Includes disk sort, RAM sort, file dump and a file merge program. Making this package an essential programming tool.



# Computer Program

## Programming Aids III



Provides a useful tool for experienced programmers who want to cross-reference a list all variables, arrays, key-words, functions and line number reference. Resequencing, deletion of program parts and the merging of a sequence of code are also made possible.

## Terminal Emulator II



Links your Home Computer to the telecommunications world—accessing subscription data services and time-sharing computer systems (subject to national PTT regulations).

File transfers with error definition, improved keyboard interface; ability to handle colour, speech, sound and graphics; access of text-to-speech from user-written programs are just some of the features included.

## TI LOGO - II



This child-appropriate computer language not only develops computer awareness, but enriches a child's maths, logic and communication skills as well. Based on a philosophy of education developed by Seymour Papert at the Massachusetts Institute of Technology (MIT), TI LOGO creates computer-based environments in which mathematics and other areas of "formal" learning can occur in a natural manner. Students actually teach the computer how to do things!

Logo II has music capability, larger sprites and twice the memory capacity of Logo I. Requires RAM Expansion Memory.



# Computer Program



## UCSD Pascal<sup>8)</sup>

UCSD Pascal (version IV.0) programs developed for other computers can be run on the TI99/4A with little, if any, modification using the P-code interpreter card, and programs developed for the Home Computer can be run on other computers, often with no modification, through the use of the P-code compiler. Requires RAM Extension Disk System plus P-Code Card.



### 1. UCSD Pascal: Compiler

This program enables you to compile Pascal programs into P-code (pseudo code). These P-codes are then translated by pseudo-machine interpreter in the P-code card.

### 2. UCSD Pascal: Assembler/Linker



Enables the user to develop TMS9900 assembly-language programs through the P System.

### 3. UCSD Pascal: Editor/Filer/Utilities



Used for screen editing and file management for the P System.

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<sup>8)</sup> UCSD Pascal and UCSD P System are trademarks of Regent University of California.  
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HOME COMPUTER

TEXAS INSTRUMENTS



TI-99 ITALIAN USER CLUB

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**Thanks to 99'er:**

***Ian Barker*** for donations and  
***Michael Wood and Steve Verity***  
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***Please, visit their website too:***

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