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CADe SIMU v4.2: A Powerful Simulation Program for Electrical Circuits ===== Cade Simu v4.2 is a user-friendly simulation program designed to create power schemes, control how they behave, and display simulations in real-time. Created by Juan Luis Villanueva Montoto, this program is one of the best available due to its simplicity and ease of use. The program focuses on electrical circuits and simulations, allowing users to organize electrical components using libraries. Users can easily draw electrical diagrams and start simulations, which will then display the status of all electrical components. This feature enables users to select an electrical conductor and check its current. One of the key benefits of Cade Simu v4.2 is that it makes electrical control diagrams easy to create and analyze. The program allows for simulations on various common circuits and can identify faults during execution, making it ideal for learners and electronic enthusiasts who want to design their own circuits. The latest version, v4.2, includes several new features such as an enhanced library with 2D and 3D images, digital modules of LOGO + S7-1200 PLCs, and improved user experience with electronic relays and electric motor simulators. To use Cade Simu v4.2, users require an access key, which can be found on this page. The program is available for download from various online mirrors, including links found in Google. Cade Simu v4.0 was the previous version of this software, offering features such as more languages and connectivity with ARDUINO-UNO. It also included new libraries and an ET 200 distributed I/O system. Accessing Cade Simu v4 requires a key, which can be downloaded from online mirrors or found on this page. The program is designed to make electrical control diagrams easy to create and analyze, making it suitable for learners and electronic enthusiasts. ===== CADe SIMU v3.0 - Enhanced Features and Ease of Use To explore the capabilities of CADe SIMU v3.0, visit our tutorial or course pages for a comprehensive guide. The updates in v3.0 include: Enhanced electro-pneumatic bookcase functionality, allowing users to incorporate logic modules like PLC S7-1200 and LOGO OBA8. Updated libraries for electronic relays, providing a more accurate simulation of electrical behavior. Integration with Spanish and Italian languages, enhancing user experience. Improved screen display design, featuring intuitive commands that simplify user interaction. A streamlined download process, with step-by-step instructions available in our tutorial pages. To begin the download process, navigate to the CADe SIMU v3.0 Download link on Google and follow the provided guidelines. Upon downloading, extract the rar file and move its contents to a desktop folder for easy access. Enter the CADe SIMU password to unlock the software and proceed with installation. During installation, enter the access key found in the included txt file or click the designated button. Configure your preferred language settings within the program's options bar. Once installed, navigate to the electrical diagram mode and add electronic components to simulate their behavior. Explore the tutorial pages for further guidance and video tutorials on circuit creation. For users seeking additional support, visit our course pages featuring step-by-step instructions and example templates. The toolbar at the bottom of the software offers a wide range of symbols, including switches and connectors. This marks an improvement in readability since version 2.0. The v3.0 update introduces several new libraries, such as: * Power supply libraries: essential for every circuit, these components are now included in the simulation. * Fuses and Disconnectors: fundamental to electricity and electronics, these have been added to the program. * Switches: with many types available, they enable the creation of various schemes. * Contactors and Power Switches: another specialized library featuring multiple contactors and switches. * Electric motors: a comprehensive section covering various motor types, including three-phase, single-phase, and DC motors. * Power: a crucial component that cannot be omitted. * Auxiliary Contacts and Timer Contacts: offering different types of contacts for simple connections and disconnections. * Coils, Signals: featuring coils, timers, optical, and acoustic signals. Additional libraries worth exploring include Light detectors and photo-electric barriers, Connection of uni-polar and tri-polar cables, hoses, and connection strips, Logic Ladder Grafcet, Entrance/Exit Electro-pneumatics Cables and connections.