 **REPORT FOR MOTION DETECTION**

As a project work for Course

**ARTIFICIAL INTELLIGENCE (INT 404)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

NAME : Yogesh Kumar

REGISTRATION NO. : 11802384

PROGRAM : CSE (B.Tech)

SEMESTER : Four

SCHOOL : School of Computer Science

and Engineering

NAME OF UNIVERSITY : Lovely Professional University,

Phagwara, Punjab, India

DATE OF SUBMISSION : 25MAR-31MAR

**Motion Detection**

***Abstract: -***

The Basic Idea Behind “Smart Web Cam Motion Detection Surveillance System” Is To Stop The Intruder To Getting Into The Place Where A High End Security Is Required. This Paper Proposes A Method For Detecting The Motion Of A Particular Object Being Observed. The Motion Tracking Surveillance Has Gained A Lot Of Interests Over Past Few Years. This System Is Brought Into Effect Providing Relief To The Normal Video Surveillance System Which Offers Time Consuming Reviewing Process. Through The Study And Evaluation Of Products, We Propose A Motion Tracking Surveillance System Consisting Of Its Method For Motion Detection And Its Own Graphic User Interface. Various Methods Are Used In Motion Detection Of A Particular Interest. Each Algorithm Is Found Efficient In One Way. But There Exits Some Limitation In Each Of Them. In Our Proposed System Those Disadvantages Are Omitted And Combining The Usage Of Best Method We Are Creating A New Motion Detection Algorithm For Our Proposed Motion Tracking Surveillance System. The Proposed System In This Paper Does Not Have Its Effect Usage In Office Alone. It Also Offers More Convenient, Effective And Efficient Usage Where High-End Security Comes Into Picture.

***Acknowledgement: -***

I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. I would like to extend my sincere thanks to all of them.

I am highly indebted to Sagar Pandey Sir for their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

I would like to express our gratitude towards our parents & member of Lovely Professional University for their kind co-operation and encouragement which help us in completion of this project.

**Table of Content**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Topic** | **Page** |
| 1. | Abstract | 2 |
| 2. | Introduction | 5 |
| 3. | Team members with their role | 6 |
| 4. | Libraries | 7 |
| 5. | Process of Motion Detection | 9 |
| 6 | Data flow diagram for Motion Detection | 10 |
| 7. | Components of Motion Detection | 11 |
| 8. | Application | 12 |
| 9. | Conclusion | 13 |
| 10. | References | 13 |

***Introduction: -***

The Theft Statistics Show That Out Of The Total Reported Thefts, The Breakage Can Be Shown :-Display Cases: 19%,Open Displays: 10%, Pictures: 04%,Other Displays: 02%,At Night: 06%,From Stores: 02%,Other: 03%.Although We Are Successful In Detecting And Gaining Evidence Against The Crimes, We Have To Find A Way Of Preventing Them Too. Stopping Thefts And Crimes While They Are In Progress Is The Main Motivation Of Our Paper. Motion Can Be Detected By Measuring Change In Speed And Vector Of An Object Or Objects In The Field Of View. This Can Be Achieved Either By Mechanical Devices That Physically Interact With The Field Or By Electronic Devices That Quantifies And Measures Changes In The Given Environment. Motion Detection Refers To The Capability Of The Surveillance System To Detect Motion And Capture The Events. Motion Detection Is Usually A Software-Based Monitoring Algorithm Which, When It Detects Motions Will Signal The Surveillance Camera To Begin Capturing The Event.

***Team Members with their role: -***

**Yogesh Kumar**:- I am doing this project solo so all the work is done by me.

***Libraries: -***

OpenCv:-

**OpenCV-Python** is a library of Python bindings designed to solve computer vision problems.

cv2.imread() method loads an image from the specified file

**Bokeh:-**

Bokeh is a Python library for interactive visualization that targets web browsers for representation. It provides elegant, concise construction of versatile graphics, and affords high-performance interactivity over large or streaming datasets.

**numpy:-**

NumPy is the fundamental package for scientific computing with Python. It contains among other things:

* a powerful N-dimensional array object
* sophisticated (broadcasting) functions
* tools for integrating C/C++ and Fortran code
* useful linear algebra, Fourier transform, and random number capabilities

**pandas:-**

**pandas** is a [software library](https://en.wikipedia.org/wiki/Software_library) written for the [Python programming language](https://en.wikipedia.org/wiki/Python_(programming_language)) for data manipulation and analysis. In particular, it offers data structures and operations for manipulating numerical tables and [time series](https://en.wikipedia.org/wiki/Time_series).

* DataFrame object for data manipulation with integrated indexing.
* Tools for reading and writing data between in-memory data structures and different file formats.
* Data alignment and integrated handling of missing data.
* Reshaping and pivoting of data sets.

**Datetime:-**

The [datetime](https://docs.python.org/3/library/datetime.html#module-datetime) module supplies classes for manipulating dates and times.

While date and time arithmetic is supported, the focus of the implementation is on efficient attribute extraction for output formatting and manipulation.

***Process of Motion Detection: -***

**![A screenshot of a cell phone

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4TWqRXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIwOjAzOjMxIDE5OjEwOjE5AAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAM3OAAAkpIAAgAAAAM3OAAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAyMDowMzozMSAxOTowOToxNgAyMDIwOjAzOjMxIDE5OjA5OjE2AAAAAAYBAwADAAAAAQAGAAABGgAFAAAAAQAAEZQBGwAFAAAAAQAAEZwBKAADAAAAAQACAAACAQAEAAAAAQAAEaQCAgAEAAAAAQAAI/0AAAAAAAAAYAAAAAEAAABgAAAAAf/Y/9sAQwAIBgYHBgUIBwcHCQkICgwUDQwLCwwZEhMPFB0aHx4dGhwcICQuJyAiLCMcHCg3KSwwMTQ0NB8nOT04MjwuMzQy/9sAQwEJCQkMCwwYDQ0YMiEcITIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIy/8AAEQgBAACkAwEhAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A9/rN1fUpNNhgMNt9plnmEKR7wnJBPU/SgaV2Vf7S17/oX1/8DU/wo/tLXv8AoX1/8DU/wpXZVo9w/tLXv+hfX/wNT/Cj+0te/wChfX/wNT/Ci7C0e4f2lr3/AEL6/wDgan+FH9pa9/0L6/8Agan+FF2Fo9w/tLXv+hfX/wADU/wo/tLXv+hfX/wNT/Ci7C0e4f2lr3/Qvr/4Gp/hR/aWvf8AQvr/AOBqf4UXYWj3D+0te/6F9f8AwNT/AAo/tLXv+hfX/wADU/wouwtHuH9pa9/0L6/+Bqf4Uf2lr3/Qvr/4Gp/hRdhaPcP7S17/AKF9f/A1P8KP7S17/oX1/wDA1P8ACi7C0e4janrqqSdAXAGT/pqf4Vo6VfjVNKtb5YzGJ4w4QnOM9qEJpWui5RTJCsbX/wDW6P8A9hBP/QXpMcdzZopiCigApGZVGWIA9SaADIozQAF1BAJAJ6c9aTzEIJDDA6nNAC5FLQAUUAFFADJv9TJ/umsnwl/yKWl/9e60uo+hs0UxBWNr/wDrdH/7CCf+gvSY47mzRTEFFABXO+ONOu9W8J3dlY2xuLmRoiqblXpIrHliB0BoA5e7uPGenT3FxdyXCWT3qpCqtAT5bXiBVGOn7kvknpjJPFWo7fx6L7TVmmLW7xQfamjaIbDvk8zPfOwxcrkZU49wC1L4e1S68H+HTt26/pJt5FM8gYF1ASUMwzkMpb9D1rN13Q/FG/VLTSrdP7OuEWHEfko8qfZnTqecCTZnPOOnegC7Z2vjSG3MbvsSKWJVjUR/NDgZCtu+8OQcgDg4JyK7DSlvV0eyXUnR78QILlo/umTaNxHtnNAFuigAooAZN/qZP901k+Ev+RS0v/r3Wl1H0NmimIKwvE08VsulzzyLHFHfoXdjgKNr9aTHHcm/4SjQv+gtaf8Af0Uf8JToX/QWtP8Av6KLofJLsH/CU6F/0FrT/v6KP+Ep0L/oLWn/AH9FF0HJLsH/AAlOhf8AQWtP+/oo/wCEo0H/AKC1p/39FF0HJLsH/CUaD/0FrT/v6KP+Eo0H/oLWn/f0UXQckuwf8JToP/QWtP8Av6KP+Eo0H/oLWn/f0UXQckuwf8JRoP8A0FrT/v6KP+Eo0L/oLWn/AH9FF0HJLsH/AAlOhf8AQWtP+/oo/wCEp0L/AKC1p/39FF0HJLsH/CU6F/0FrT/v6KP+Ep0L/oLWn/f0UXQckuw2XxRoRicDVrTJU/8ALUUeE/8AkU9Lz/z7rR1BppamzRTJCmsquMMAR6EUAN8mL/nkn/fIo8mL/nkn/fIoGHkxf88k/wC+RR5MX/PJP++RQAeTF/zyT/vkUeTF/wA8k/75FAB5MX/PJP8AvkUeTF/zyT/vkUAZkMMf/CTXg8tMfY4OMf7ctafkxf8APJP++RUxKk9Q8mL/AJ5J/wB8ijyYv+eSf98iqJDyYv8Ankn/AHyKPJi/55J/3yKADyYv+eSf98ijyYv+eSf98igA8iL/AJ5J/wB8ingBQABgCgQtFABSUAFFFwCii4BRRcAoouBztrqDP4tuoPs7Cb7PEjru4RVeU7s+hBX/AL69jXRVFOV0zWrHla9Aoq7mQUUXAKKLgFLQAUUAFYniRTKmmweZKkc16iSeXIyErtY4yCD2FDHHcf8A8Izp/wDevf8AwOm/+Ko/4RnT/wC9e/8AgdN/8VSsPnYf8Izp/wDevf8AwOm/+Ko/4RnT/wC9e/8AgdN/8VRYOdh/wjOn/wB69/8AA6b/AOKo/wCEZ0/+9e/+B03/AMVRYOdh/wAIzp/969/8Dpv/AIqj/hGdO/vXv/gdN/8AFUWDnYweFNLEplAuxIwCl/tk2SB0Gd3vT/8AhGdO/vXv/gdN/wDFUKKWw3Uk9w/4RnT/AO9e/wDgdN/8VR/wjOn/AN69/wDA6b/4qiwudh/wjOn/AN69/wDA6b/4qj/hGdP/AL17/wCB03/xVFg52H/CM6f/AHr3/wADpv8A4qj/AIRnT/717/4HTf8AxVFg52Mk8NaesTkPe5AJH+nTf/FVJ4Xlkm8L6bLK7SSNApZmOST7mjqNu6NeimQFY2v/AOt0f/sIJ/6C9JjjubNFMQUUAZuuaxDoemG8mRpMyRwxxrwXkkcIgz2+Zhz2FQ3GvwaWgOtGKxLMRGRIZFZQAS2doKqM8kgAfiKAKcXj3w1M+1NQbIkWPm2lHzMXA6r0zG4z0yuOtLe+OvDlhN5NxfsJi+wRpbSuxbbv24VSc46jqOh54oAgu/G1qnh271myt5J4rW++xSLNmH5/NERIyDwGPp2NTR+MtNjZIdQfyLpoPtQSFJJk8khir7wgGCEbrg5GOuMgDf8AhYHhrzViW/kaQ9FS0mY5y4xwnXMTjHXK4qdvG3hxQSdUjOI0l4VjlX2bcYHJPmJx1+YUAbkUizRJKmdrqGGQQcH2PIp9ABRQAyb/AFMn+6ayfCX/ACKWl/8AXutLqPobNFMQVja//rdH/wCwgn/oL0mOO5s0UxBRQBV1DT7XVbJ7O9iEsDkErkjkEMCCOQQQCCOQRVO+8NaXqkKRX8D3KqrrmWViSrABlPPIOBkdOKAK0Hgvw/bLMsengrMEEivK7htkplXhiejsx/H0qZvC2jverdm2fzVvBfLiZwonCld+0HGcE54waAFfwvo8mnXFg1q32W5ujeSxiZxmUv5hbIbI+YZwOPan3fhzS72W6lnt3Ml1aCymZZnXdCCxCjB45ZuRzz1oAoW/gLw3ay+bDYOr7xID9pl6hncfxf3pXP8AwL6VND4N0K2s57SGzZbaeJIZYTPIUdUQIuQWIPyqBk9QOc0AbVvBHa28VvCu2KJAiLnOABgCpKACigBk3+pk/wB01k+Ev+RS0v8A691pdR9DZopiCsrXLG8vYbVrFoBPb3CzKJydpwCMcc96Bp2ZWz4r/u6P/wB9S/4UZ8V/3dH/AO+pf8KWpXuhnxX/AHdH/wC+pf8ACoILrxRPNcxqmkA28gjbLSckqrccejCldjSi0T58V/3dH/76l/woz4r/ALuj/wDfUv8AhT1F7oZ8V/3dH/76l/woz4r/ALuj/wDfUv8AhRqHuhnxX/d0f/vqX/CjPiv+7o//AH1L/hRqHuhnxX/d0f8A76l/woz4r/u6P/31L/hRqHukVzP4ptrWW4dNHKxIXIDSZIAz6VKD4rIB26Pz/tS/4Uru9h2ja4Z8V/3dH/76l/wo/wCKr/u6P/31L/hT1F7ojDxW6lduj8jH3pf8K0NEsZNM0SzspWVpIIgjMvQkelAm1ayL9FMkKhuLmC1j8y4mjiTON0jBRn6mgCt/belf9BK0/wC/6/40f23pX/QStP8Av+v+NIfKxG1rSyp26nZg44JmX/GsLQ9fhk1HUftF3ZxJ5w3MZQN7+Wi/Lz935T+Y96iTfMkawheMmze/tvSv+glaf9/1/wAaP7b0r/oJWn/f9f8AGrMuVh/belf9BKz/AO/6/wCNSQalY3Uvl295byvjO2OUMcfQGgOVlo1TfWNMjdkfULVXU4ZWmUEH86YJNjf7b0r/AKCVp/3/AF/xo/tvSv8AoJWf/f8AX/GkPlZl6/rtlHo9wYL61lBjZXRZVLEFSMjnscfhmrllrtjJaI9xf2UcjDOwTr8o7A89cdai/v2NHD92n1uWP7b0r/oJWn/f9f8AGj+29K/6CVp/3/X/ABqzLlYf21pX/QSs/wDv+v8AjV2ORJY1kjdXRhlWU5BFMGmh1FAgrC8SRRznSYpo1kjbUEDI4BB+V+opMcdy7/YWkf8AQLsv/AdP8Kx9an8N6DNbxXekQkzpLIpjtUIAjXe+fovPvRYOZkV7qfg6xsbW7NrZTC6MYgihtlaR/MGV+TGeRzzWg0XhZJlhaPR1lZtioRFuLZAxj1yQMe4osHMwKeFAYwV0YGU7YxiL5zkDA9eSB+IqQWnhsnAt9KJ8zysbI/v/AN36+1Fg5mWf7D0j/oF2X/gOn+FZlzYWdl4p0U2tpBAWE+4xRhc/IOuKBps6KuX8N6Xp91p9xLcWNtLIby4y8kKsT+8buRQCvY2f7D0j/oF2X/gOv+FZt0PD9rfvYjSIJ7qO3+0yRQWqMUjyQCfqQcAZJwcCiwuZj8eExHvZdGVRgksIhjkjn8QR9QacI/CrFwE0YmPG8ARfLnpn0osHMyGabwfAAXGjnMyQfKkbHzHJVVOBxkg/kfQ1p/2HpH/QLsv/AAHT/CiwczGS6HpIicjS7LhT/wAu6/4VD4S/5FLS/wDr3WjqO7aNmimSFY2v/wCt0f8A7CCf+gvSY47mzXO+J/CNl4qa1+3SyqlusqqseBnzE25zjII6jHemIxYvB+iJrkU0uuedqUd7HdHzGi80yKiqRwMgMEUkDHIq/aeANNtbi3lMssvkRTwqHVclZWU8tjJK7Rg0AQD4c6cLOztxdTr9lhMKuqIC43Qnc3HLfuEGfTPtVqDwRZwjTx9plkFi77N6Id6Ng7X4+YjC4PXj60AdTWLqX/I0aH9Lj/0AUmOO5t1heFP+QVP/ANftx/6MajqNbG7WJe6dZ2etSa6b9bKWaBLWVpCoR1Viyfe6MCzfn0pkmJB4E0u6k+1w6lLPC9ytwNuxkJW5afGccjexH0q7N4HsJvtJErq0+oC+J2KQCEEZjxjlCo6H1oAgT4fWMdzFOl7chop1nUYTG4XDz+nTMjD6YrsO1ADJv9TJ/umsnwl/yKWl/wDXutLqPobNFMQVja//AK3R/wDsIJ/6C9JjjubFFMRw+peE9XudS8UXtrdJDJfxR/YdsmNsqR7Q7HblSG5GCfpT9R0LxM17Kum6g8dp9mkijMt45fe0bYJ47SFcHrgde1AGUvhfxzFJCU1smPzD56teyMXjJhOFJHyn5Z+fRgOnT0S0jeGzhilkeWRECs7kFmIHU4A5/AUATVi6l/yNGh/S4/8AQBQxx3NusLwp/wAgqf8A6/bj/wBGNS6jWxuVz/jLRrvXdBFlZNGs32qCbdI20AJIrnHB5wvHFMkytS8Na79pLadqMojjtrZI1+1vEJJVkfzndVGDuRl+pHbrVJPDXjGSGz+0au3mx20MUxS+kUOwWYSNwOp3Q89flJ4PUA1/DGk+JLO/kn13UzcjyI0VI5cx7vLjDEqVHO9XIIPIc5HTHV0AMl/1L/7prK8Jf8ilpf8A17rS6j6GzRTEFUNU00alFCv2iW3eGUTRyRBchgCP4gR3Pagadncr/wBk3/8A0MF//wB+oP8A43R/ZN//ANDBf/8AfqD/AON0rFcy7B/ZN/8A9DBf/wDfqD/43VS1s9Snub2NtfvQIJhGpEUHI2I3P7v1Y0ne401Z6Fv+yb//AKGC/wD+/UH/AMbo/sm//wChgv8A/v1B/wDG6dhcy7B/ZN//ANDBf/8AfqD/AON0QaJIuo297c6ndXT24YRrIsagbhg/dUUWDmXY1jWJD4fmtfMW11m+gieV5fLVIiAWJJwShPU0NCTsS/2Tf/8AQwX/AP36g/8AjdH9k3//AEMF/wD9+oP/AI3RYfMuxXvrDUbawuLhNfvi0UbOAYoMZAz/AM86nGlX5UH/AISC/wCR/wA8oP8A43S1vYd1y3sL/ZN//wBDBf8A/fqD/wCN0f2Tf/8AQwX/AP36g/8AjdOwuZdhraRfMCD4gv8AB4P7qD/43V/TbGPTNNt7KJmaOBAil+pA9aLCcrotUUyQpKACigBGbapY5wBngZrI0i9t5tR1FY5QxlmWRMd18mLn9RUSaTRcYtxbNiirICigBaSgAooAz9anji0m5R2w0kMipx1OwnH5A1bt5454Q8TblyVyPUHB/UVCa5rFtPkuS0VZAUtABRQAVj6/c3kENnHYzJDNcXSw+Y8e8KCGPTI9KGOO+pD/AGf4j/6D9v8A+AA/+Lo/s/xH/wBB+3/8AB/8XS1KvHsH9neI/wDoP2//AIAD/wCLqlZeGtYsJ7mW31u3V7l/MkJsc5OO3z8D2qXG7T7FRqJJpLcu/wBn+I/+g/b/APgAP/i6P7P8R/8AQft//AAf/F1WpN49g/s/xH/0H7f/AMAB/wDF0f2f4j/6D9v/AOAA/wDi6NQvHsH9n+I/+g/b/wDgAP8A4uj+z/Ef/Qft/wDwAH/xdGoXj2D+z/Ef/Qft/wDwAH/xdH9n+I/+g/b/APgAP/i6NQvHsVr7QNc1GzktbnXYDG4wdtjgj3B31LDpOvwQpFFrtskaKFVRp44A/wCB1PL73MV7RcvLbQk/s/xH/wBB+3/8AB/8XR/Z/iP/AKD9v/4AD/4uq1JvHsNew8RqjN/b9ucDP/HgP/i6v6BeTahoFjeTkGWaFXcqMDJoE7NXRo0UyQrG1/8A1uj/APYQT/0F6THHc2aKYitqF/b6Xp9xf3bmO2t4zJK4UnaoGScDmodO1rT9WjmezuBIIZfKkBUqVfAOCD7EH8aAJJ9StLa7tbWWULNdMyxLgncVUsRnoOATzVgyxjq6jHvQAeYg6uv50eYmcb1z1xmgDPTxBpj28k63I2JdfYySpH77O3aOOefSpJ9YsbXSZdTnmMdpDE00jMhBVFGSSuM8AHjFAEh1OyWS1ja5jD3QJgUty4AycD2HWrPmIejqfxoArPqdml19l84PP8hMcYLsockKSB0BIPJ44NWPNjHV19OtAD6KAGTf6mT/AHTWT4S/5FLS/wDr3Wl1H0NmimIKxtf/ANbo/wD2EE/9Bekxx3NmimIztf0s634fv9LWYQfbIHgMpTfsDDBOMjPX1rk5vhzK+mSWcOsCISztM2LX5FJRVAQbspym488kmgB9x8PpprGzgTWFiks55Jo7hbT94+4EKJDv+fG7nP3hxgZNZdr8Oby61xrnUxYeQl8brIgZvNUPIwjIMhG0+axJIBHA+YdACe9+FMdzetdRau8bCR3jV4NwAczFg3zDcR5xAPGAo60an8KhqbAtrTRf6NHBujtsNhbeSDOd/fzN2PYD3oA2LfwUI/D9xpNxcWtzDdXr3M6PaYjZW/gC7srg4IYHIwKxrn4U/aCyf23IY2tjAfMg3uSbZ4Cdxbph84OenWgC3e/DZbqyMK6ksbsLwMfs2VAuIhGdq7htxgHryc+tGs/DYarPEYtTSyhSAR7La0CEtskVmyGGQTJnBz0PPJoAtXHgT7RqUF6L23gZfsxlSCz2KzRSvJlfn+XcZDnr0zWI/wAIUJVl1psrAYBvtt3GyNQ33h8/7vJPcntigD01eBS0AMm/1Mn+6ayfCX/IpaX/ANe60uo+hs0UxBWN4hWfy9Pmgtpbj7PeJK6RAbtoVhxkgdxSY47if2/N/wBADV/+/cf/AMXR/b83/QA1f/v3H/8AF0XK5fMP7fm/6AGr/wDfuP8A+Lo/t+b/AKAGr/8AfuP/AOLouHL5h/b83/QA1f8A79x//F0f2/N/0ANX/wC/cf8A8XRcOXzD+35v+gBq/wD37j/+Lo/t+b/oAav/AN+4/wD4ui4cnmRjxMxuGgGh6sZVUOy+XHkAkgH7/sfyqT+35v8AoAav/wB+4/8A4ukpXG4W6h/b83/QA1f/AL9x/wDxdH9vzf8AQA1f/v3H/wDF07i5fMP7fm/6AGr/APfuP/4uj+35v+gBq/8A37j/APi6Lhy+Yf2/N/0ANX/79x//ABdH9vzf9ADV/wDv3H/8XRcOXzGvr07Rso0DVskEf6uP/wCLqx4btprPw3p9vcRmOaOBVdD1Bo6g1ZbmpRTICkoAKKACigAooAKKAMyH/kZ7z/rzg/8AQ5a06mJUgoqiQooAKKACloAKKACigAooAKKACigAooAwbfULZvE9wA53PbxRKu053K82Rj8DW9UQaexpUi4tXCirMwooAKKACigAooAKx9fubyGKyisrgW8lxdLCZCgfaCGPQ/Skxx3Iv7M17/oYv/JKOj+zNe/6GL/ySjo1KvHsH9ma9/0MX/klHR/Zmvf9DF/5JR0ahePYP7M17/oYv/JKOj+zNe/6GL/ySjo1C8ewf2Zr3/Qxf+SUdH9ma9/0MX/klHRqF49ionhnU49Sl1BddxcyoEd/sacge2at/wBl69/0MX/klHUxjy7FSqKW6D+zNe/6GL/ySjo/szXv+hi/8ko6rUm8ewf2Zr3/AEMX/klHR/Zmvf8AQxf+SUdGoXj2D+zNe/6GL/ySjo/szXv+hi/8ko6NQvHsNfTdeVGb/hIugz/x5R1d8P3k2oeH7G7uCGmmhVnIGMmjUTs1dI0qKZIVja//AK3R/wDsIJ/6C9JjjubNFMRSfVbOPV4dKaYC9mhedI8dUUqCfzYfr6U46nYBWY3tsFU4J81cA8+/sfyoAht9d065nuoUuUV7aXypN5CgnYsnHqNrA5FRXXiGzs9Uh06WO4NxNu8vbESGChSxB9AHX9fQ0AOsfEOlX9iLyK9hWLcyHzHCFSCQQQen3T+VW2v7VQ3+kRFl42hxnPp160AQ2WsafqGmQ6jb3UZtZkV1dmAxuUMAfQ4I4NUx4q0k2YuvPIjN4bIArhjKJfKIx1I3kDI+tAGpJeW0LMstxEjKMkM4GB0zSG+tBGshuoBGwLKxkGCB1INAEU+r6dbW0lxNfWyQxo0jOZRgKucn8MH8qbb6xZXNxNCkuGidUy42q5ZQw2k/e4I6d6ALMV1b3DMsM8UjJ94I4JX64+h/KpqAGS/6mT/dNZPhL/kUtL/691pdR9DZopiCsbX/APW6P/2EE/8AQXpMcdzZopiMC+8Nm91mz1X7a8d1aXPmxMq8eWU2NFjOMNySeufoK5CT4eahIbO78yNbtNQLuhwUSDz55AcfxN++HHHQj3IBqWfw+h077DbQSvLDDdR3Jnd9rp5cCw7MY+YOikNyMZ710t5o4u/EGmat55U2McyLHsyH8wLnJzxjaP1oA5eH4YWUd3BNJeGZIpo5WieBSsmxp2wRnoftDfkPerVp8PbOxvDdQXcizCd5VkCkPtaUymNiGAZNzNwR3z1ANAFeX4Z2kulixbUZwqqqqwQdrT7Kcjofl59j7cU62+G9vaCLytSmOyYynegbP+krcAdePmXBPce4oAh8YfD060by+s7hzeSyrKkTkBN2I0OT/d2pnHrU03w3tZrOa3a/lxcW9xDLuTIBmd3LKM4UguwHXj86AJNW+Hdrqs7sb028bQGExwwKo5iljLcdSfNLc55+tRX3w0tNR1q61OfUbgS3IjEiogAAXyenoSYF57ZPtQBtaN4Yj0fVLi+S5MjTrIGUpgZeeSbPXsZSPoBXQdqAGTf6l/8AdNZPhL/kUtL/AOvdaXUfQ2aKYgrG8QR3DR2E1vbSXBt7xJXSPG7aFYcZIHcUMcdw/ty5/wCgDqf5Rf8AxdH9uXP/AEAdT/KL/wCLpXK5V3D+3Ln/AKAOp/lF/wDF0f25c/8AQB1P8ov/AIui4cq7h/blz/0AdT/KL/4uj+3Ln/oA6n+UX/xdFw5V3D+3Ln/oA6n+UX/xdH9uXP8A0AdT/KL/AOLouHKu5GPEUrXD240TUvNRA7LiPgEkA/f/ANk/lUn9uXP/AEAdT/KL/wCLpJ3Bwt1D+3Ln/oA6n+UX/wAXR/blz/0AdT/KL/4uncOVdw/ty5/6AOp/lF/8XR/blz/0AdT/ACi/+LouHKu4f25c/wDQB1P8ov8A4uj+3Ln/AKAOp/lF/wDF0XDlXca+tXTRso0HU+QR0j/+Lqfw5bTWXhzT7a4QpNHCqupPQ0CaSW5qUUyQooAKKACigAooAKKAMuH/AJGe8/684P8A0OWtOpiVLdC0VRIUUAFFABRQAUUAFV7u9tbGHzru4jgjzt3SMFGfTmgCl/wkuh/9Bay/7/L/AI0f8JNof/QWsv8Av8v+NK6K5Zdg/wCEm0P/AKC1l/3+X/Gj/hJtD/6C1l/3+X/Gi6Dll2D/AISbQ/8AoLWX/f5f8aP+Em0P/oLWX/f5f8aLoOWXYP8AhJtD/wCgtZf9/l/xo/4SXQ/+gtZf9/l/xoug5Zdjn7bxFbf8JTcb9TshB5MYM/mDDqGkIUc9fmGfp7iug/4SXQ/+gtZf9/l/xqKbdnc1qw1XL2D/AISbQ/8AoLWX/f5f8aP+Em0P/oLWX/f5f8au6MuWXYP+Em0P/oLWX/f5f8aP+Em0P/oLWX/f5f8AGi6Dll2D/hJtD/6C1l/3+X/Gj/hJdD/6C1l/3+X/ABoug5Zdg/4SbQ/+gtZ/9/l/xrShmjuIUmhdZI3GVdTkEe1MTTW4+igQVieIVV5NIVlBB1BMgj/Zehjjuan2S3/594v++BR9kt/+feL/AL4FILsPslv/AM+8X/fAo+yW/wDz7xf98CgLsPslv/z7xf8AfAo+yW//AD7xf98CgLsPslv/AM+8X/fAo+yW3/PvF/3wKAuw+yW3/PvF/wB8Cj7Jbf8APvF/3wKdguw+yW//AD7xf98Cj7Jbf8+8X/fApBdh9kt/+feL/vgUfZLf/n3i/wC+BQF2H2S3/wCfeL/vgUfZLf8A594v++BQF2NltLbyX/0eL7p/gFZ/hL/kUtL/AOvdaOo73Rs0UyQrG1//AFuj/wDYQT/0F6THHc2aKYgooAQ15nc+LtWtFktn1BDjU7Xy70RptktppAmzONu4ESgnGcJmgDTt/iBdXdxDHBoErJJNHC0hmOImkEmwNhDghowGH8O9etZ+mfE1pfEcmjS2ayYvzb+e12uQGuJYlCqIxnHlg8nOD1J6gFuXx1f3/hDXNU0qwiE9iqiLbMJ+SfnJUAfdGT6HHFUdX8ZazpmumK2miu9MiuolFxJtRZQ1tNI8ZcKQMFEOQON2D1oAuyfEKa2aQtpc0jS3MUUUUs6RCMtbLNtLFQAc5XBJyT17VZ03xvPq2p+H1it7WG11Iz7x5++RCiKwRuAFcEkFefu9aAO3ooAKKAGTf6mT/dNZPhL/AJFLS/8Ar3Wl1H0NmimIKxtf/wBbo/8A2EE/9BegcdzYooEFFABRQAYHpRQBR0/RdN0p5XsbSOF5QBIy9WAzgZPYZOB7mru1QMYGPTFAFaz02z08TfZIFi86QyyY/ibAGT+AH5VawPSgAooAKKAGzf6mT/dNZPhL/kUtL/691pdR9DZopiCqGqaXHqkEcck00JikEqPC21lYAjr+JoGnZlP/AIR1/wDoOat/3/H/AMTR/wAI6/8A0HNW/wC/4/wpWK5vIP8AhHX/AOg5q3/f8f4Uf8I6/wD0HNW/7/j/AAosHN5B/wAI6/8A0HNW/wC/4/wo/wCEdf8A6Dmrf9/x/hRYObyD/hHX/wCg5q3/AH/H+FH/AAjr/wDQc1b/AL/j/Ciwc3kH/COv/wBBzVv+/wCP8KP+Edf/AKDmrf8Af8f4UWDm8g/4R1/+g5q3/f8AH+FH/COv/wBBzVv+/wCP8KLBzeQf8I6//Qc1b/v+P8KP+Edf/oOat/3/AB/hRYObyD/hHX/6Dmrf9/x/hR/wjr/9BvVv+/4/+JosHN5CHw4xGDrerEH/AKbj/wCJrT0+yi03T4LKAsYoUCLuOTgUWE5XRZopkn//2QD/4THoaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLwA8P3hwYWNrZXQgYmVnaW49J++7vycgaWQ9J1c1TTBNcENlaGlIenJlU3pOVGN6a2M5ZCc/Pg0KPHg6eG1wbWV0YSB4bWxuczp4PSJhZG9iZTpuczptZXRhLyI+PHJkZjpSREYgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdG9yVG9vbD5XaW5kb3dzIFBob3RvIEVkaXRvciAxMC4wLjEwMDExLjE2Mzg0PC94bXA6Q3JlYXRvclRvb2w+PHhtcDpDcmVhdGVEYXRlPjIwMjAtMDMtMzFUMTk6MDk6MTYuNzgwPC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwADAgIDAgIDAwMDBAMDBAUIBQUEBAUKBwcGCAwKDAwLCgsLDQ4SEA0OEQ4LCxAWEBETFBUVFQwPFxgWFBgSFBUU/9sAQwEDBAQFBAUJBQUJFA0LDRQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQU/8AAEQgBggD4AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A/VOk96Wk6igDA8W+PPD3gO2hufEOsWmkQTuY4nupQu9gMkD1rmP+GjPhn/0Oukf+BArkv2gNPttS+JXwgtby3iu7aXV51eGZA6OPKHBBGDXp3/Cs/CH/AEKuif8Aguh/+JqNXsb8sIxTl1Oe/wCGjPhn/wBDrpH/AIECj/hoz4Z/9DrpH/gQK6L/AIVn4P8A+hV0T/wXQ/8AxNH/AArPwf8A9Cron/guh/8AiaPeF+68znf+GjPhn/0Oukf+BAo/4aM+Gf8A0Oukf+BArov+FZ+D/wDoVdE/8F0P/wATR/wrPwf/ANCron/guh/+Jo94P3Xmc7/w0Z8M/wDoddI/8CBR/wANGfDP/oddI/8AAgV0X/Cs/B//AEKuif8Aguh/+Jo/4Vn4P/6FXRP/AAXQ/wDxNHvB+68znf8Ahoz4Z/8AQ66R/wCBAo/4aM+Gf/Q66R/4ECui/wCFZ+D/APoVdE/8F0P/AMTR/wAKz8H/APQq6J/4Lof/AImj3g/deZzv/DRnwz/6HXSP/AgUf8NGfDP/AKHXSP8AwIFdF/wrPwf/ANCron/guh/+Jo/4Vn4P/wChV0T/AMF0P/xNHvB+68znf+GjPhn/ANDrpH/gQKP+GjPhn/0Oukf+BArov+FZ+D/+hV0T/wAF0P8A8TR/wrPwf/0Kuif+C6H/AOJo94P3Xmc7/wANGfDP/oddI/8AAgUf8NGfDP8A6HXSP/AgV0X/AArPwf8A9Cron/guh/8AiaP+FZ+D/wDoVdE/8F0P/wATR7wfuvM53/hoz4Z/9DrpH/gQKP8Ahoz4Z/8AQ66R/wCBArov+FZ+D/8AoVdE/wDBdD/8TR/wrPwf/wBCron/AILof/iaPeD915nO/wDDRnwz/wCh10j/AMCBR/w0Z8M/+h10j/wIFdF/wrPwf/0Kuif+C6H/AOJo/wCFZ+D/APoVdE/8F0P/AMTR7wfuvM53/hoz4Z/9DrpH/gQKP+GjPhn/ANDrpH/gQK6L/hWfg/8A6FXRP/BdD/8AE0f8Kz8H/wDQq6J/4Lof/iaPeD915nO/8NGfDP8A6HXSP/AgUf8ADRnwz/6HXSP/AAIFdF/wrPwf/wBCron/AILof/iaP+FZ+D/+hV0T/wAF0P8A8TR7wfuvM53/AIaM+Gf/AEOukf8AgQKP+GjPhn/0Oukf9/xXRf8ACs/B/wD0Kuif+C6H/wCJpD8M/CH/AEKmif8Aguh/+Jo94P3fmYEH7Qnw2upo4Y/GekGSRgqg3AGSfc16LXzx+1h4H8O6J8FdSu9P0HS7C6W6tAs1rZxxuAZ0BwQueRX0Mv3RTi3swnGPKpR6i0UUVRiFIvSlpF6UAeKfHT/kq3wa/wCwxP8A+ihXtdeKfHT/AJKt8Gv+wxP/AOihXtdSuptP4I/11FoooqjEKKKKACiiigApM0tfPH/BQKNB+x38Tp8YnttNE8Eo4eKQSptdT1DDPBHrQB9DZo3CvhDxt+0945+CegyaD4UsfDH9k+GvhVpnjONdQsJ3kmZrgW8sBKXCKNwBcPtyCeQ3Wtjxt+2h498K+KPiHJBpvh670HwjrnhmxGn/AGSf7dfW+qwxSMqy+ftWWMycHyyG2/dFAH2vmjcK+O/HX7X3jfwr8Q/GOhQWHh+Sz0P4geHfC0TS2s/mSWeoxK8jsROAJU3fKwG3g5Wu3/Y98YeJfiJpfxc/4TLWYfEP2Xx3rGjwQPb7BFbwOsIjCl2XytoXCbRzvLFyxNAH0bmjdXwt8AfBreEfiz8Rv2c9X0ttQ0Wz8QW/jPTb67i80Posh8xIi7Z3FLiKOAhuWV5scKaX4cftA61pC23hLRtD0Kw1HxZ8WvEHh64v7qK7ubJY4C0s0zQyXJbzZiMBBIsYycLgYIB90bhRur84/wBmH9orxx4V+FXw9+H/AIP0K08Q+ItSsfE2swtqMwWO6e21aZI7VHeaMRjaWJcltihcIea9mvv2yPENv8Qns08PWa6HF8RdM8APZPua+Y3VoZjeLIr7NquVwoQho1Zt3IwAfW9FFFABRRRQAUUUUAFFFFAHif7Yn/JCtV/6+7T/ANHpXta/dFeKftif8kK1X/r7tP8A0ele1r90VC3ZtL+HH1f6C0UUVZiFIvSlpF6UAeKfHT/kq3wa/wCwxP8A+ihXtdeDftGa1Y+HviF8I9S1K6jsrC21ad5riZtqIvlDkmu2/wCGhvhr/wBDro3/AIFLUJq7OiUXKEbL+rnolFed/wDDQ3w1/wCh10b/AMClo/4aG+Gv/Q66N/4FLVXRn7OfZnolFed/8NDfDX/oddG/8Clo/wCGhvhr/wBDro3/AIFLRdB7OfZnolFed/8ADQ3w1/6HXRv/AAKWj/hob4a/9Dro3/gUtF0Hs59meiVjeKvBug+OtGl0jxLoem+IdJmIaSw1W0juoHIOQTG4Kkj6Vyn/AA0N8Nf+h10b/wAClo/4aG+Gv/Q66N/4FLRdB7OfZlm4+A3w0vI5En+HnhSZJLJNMdZNEtmDWiMHW3OY+YgyqwT7oIBAyK4rwb+yn4Z8MfGPxj4+vLbSNZk1y40+5sLGbR4gNFeythbQG2csdv7tV6KuCARgDFdZ/wANDfDX/oddG/8AApaP+Ghvhr/0Oujf+BS0XQezn2Zf1v4J/D7xN4gn13V/A3hzVdanaF5dQvdKgmndouImZ2UklB9054wMdK2tB8E+H/C99q17o2h6bpN5q9x9r1G4sbSOGS9n/wCeszKAXfr8zZPNct/w0N8Nf+h10b/wKWj/AIaG+Gv/AEOujf8AgUtHMu4ezm9os7ddHso9Wl1RbSBdSlhS2e7EY81okZmVC3XaGdyB6sfWuXf4JfD2TR5dKPgXw3/Zkt//AGrJZLpNuIXvP+fgoEwZf9vG7HeqH/DQ3w1/6HbRv/ApaP8Ahob4a/8AQ66N/wCBS0XQezn2LDfAX4atpumaefh94XNhplw93Y2v9j2/l20z43yRrswrNgZYcnAzW7N4D8N3HiRPEMmgaZJrqMrrqTWkZuAyoyKwkxuyEZlBzkKzDoTXNf8ADQ3w1/6HXRv/AAKWj/hob4a/9Dro3/gUtF0Hs59meiUV53/w0N8Nf+h10b/wKWj/AIaG+Gv/AEOujf8AgUtF0Hs59meiUV53/wANDfDX/oddG/8AApaP+Ghvhr/0Oujf+BS0XQezn2Z6JRXnf/DQ3w1/6HXRv/ApaP8Ahob4a/8AQ66N/wCBS0XQezn2Z6JRXnf/AA0N8Nf+h10b/wAClpf+Ghvhr/0O2jf+BS0roXs59jlv2xP+SFar/wBfdp/6PSva1+6K+ZP2ofjB4K8X/B/UdM0XxNpupahJc2rJb284Z2CzISQPYc19NjoKUd2aTTjTimu/6C0UUVZgFJ0paaaAM7W/DeleJIY4dW0yz1OGNtyR3kCTKpxjIDA4OKyf+FV+Cv8AoUdB/wDBbD/8TXUUUrFKTWzOX/4VX4K/6FHQf/BbD/8AE0f8Kr8Ff9CjoP8A4LYf/ia6iiiyHzy7nL/8Kr8Ff9CjoP8A4LYf/iaP+FV+Cv8AoUdB/wDBbD/8TXUUUWQc8u5y/wDwqvwV/wBCjoP/AILYf/iaP+FV+Cv+hR0H/wAFsP8A8TXUUUWQc8u5y/8AwqvwV/0KOg/+C2H/AOJo/wCFV+Cv+hR0H/wWw/8AxNdRRRZBzy7nL/8ACq/BX/Qo6D/4LYf/AImj/hVfgr/oUdB/8FsP/wATXUUUWQc8u5y//Cq/BX/Qo6D/AOC2H/4muL+Lnw48JWPg9Jbbwvo1vL/ammJvi0+FW2tfQKy5C9CCQR3BNeuVwvxlP/FEp/2F9K/9OFvWNZfu5NdmdOGnL28Neq/M0F+FfgvaP+KQ0Hp/0DYf/iad/wAKr8Ff9CjoP/gth/8Aia6ZT8q/SnfhWqSsc3PLucv/AMKr8Ff9CjoP/gth/wDiaP8AhVfgr/oUdB/8FsP/AMTXUUU7IOeXc5f/AIVX4K/6FHQf/BbD/wDE0f8ACq/BX/Qo6D/4LYf/AImuooosg55dzl/+FV+Cv+hR0H/wWw//ABNH/Cq/BX/Qo6D/AOC2H/4muooosg55dzl/+FV+Cv8AoUdB/wDBbD/8TR/wqvwV/wBCjoP/AILYf/ia6iiiyDnl3OX/AOFV+Cv+hR0H/wAFsP8A8TSf8Kr8F/8AQo6D/wCC2H/4mupoosLml3OYj+F3g6GRJI/CehxyIwZWXTYQVIOQR8vBrqKT8KWgTbe4UUUUxBTeuKdSUAIaWvGP2gdd8TW/iDwB4f8ADmvv4cbXdQlt57yK3SZgqxgj5XHqexFRf8Kb+Jv/AEWm+/8ABJB/8VU3fQ2VNWTbtc9sorxP/hTfxN/6LTff+CSD/wCKo/4U38Tf+i033/gkg/8AiqV32Dkj/Me2UV4n/wAKb+Jv/Rab7/wSQf8AxVH/AApv4m/9Fpvv/BJB/wDFUXfYOSP8x7ZRXif/AApv4m/9Fpvv/BJB/wDFUf8ACm/ib/0Wm+/8EkH/AMVRd9g5I/zHtlFeJ/8ACm/ib/0Wm+/8EkH/AMVR/wAKb+Jv/Rab7/wSQf8AxVF32Dkj/Me2UV4n/wAKb+Jv/Rab7/wSQf8AxVH/AApv4m/9Fpvv/BJB/wDFUXfYOSP8x7ZXjHxz8XzaGi6ZqqwQaVeXmmT2F59395FfwNNFIScZ24dSMZCyf3MmL/hTfxN/6LTff+CSD/4qsfxT+zX4z8baaNP134rz6nZLKsywz6FAQHU5B+/9fwJHQmufERqVKbjDc7MHKjSrRnVd4r7z1/wFrmoeJvD6arfWyWkN47S2UG0rILY/6oyZP32HzEYG3cF6gk9LXiS/Bn4mqAB8aL4AdANDt8f+hUv/AApv4m/9Fpvv/BJB/wDFVtHmjFJ7nNUjCUm4uyPbKK8T/wCFN/E3/otN9/4JIP8A4qj/AIU38Tf+i033/gkg/wDiqq77Eckf5j2yivE/+FN/E3/otN9/4JIP/iqP+FN/E3/otN9/4JIP/iqLvsHJH+Y9sorxP/hTfxN/6LTff+CSD/4qj/hTfxN/6LTff+CSD/4qi77ByR/mPbKK8T/4U38Tf+i033/gkg/+Ko/4U38Tf+i033/gkg/+Kou+wckf5j2z8KPxrxP/AIU38Tf+i033/gkg/wDiqP8AhTfxO/6LVff+CSD/AOKou+wckf5j2zcKWvl/4u6P8T/hD4Ln8Tj4r3er/ZbiBPskmkwRq4eRV5OT0znpX0+Ogpp3JlDlSad7i0UUVRmFIvSlpF6UAeKfHT/kq3wa/wCwxP8A+ihXtdeKfHT/AJKt8Gv+wxP/AOihXtdSuptP4I/11FoooqjEKKKKACiiigBM0ZrxLQPjlqnxI+PPj/4eeFIrCytPAttZ/wBq6tqML3Bnu7pGkjhhjSSPCoiMWcsfmO0KMbjsyfG+x+Hvh3T/APhaN1Y+HfE01vf30+n6Ys14i2tq7GS5GxWbyli8ti7BQN4BAJ20Aeq0V4/N+1v8KIfETaIfFRa+W/sdMd49Ou3t0uLxBJaK04iMQWVGDI5bawPBrd8K/H7wL40ur230jWJriWx1W50S7EmnXUItry3i82aOUyRqECpzubC8gAkkCgD0Ok3V41cfth/CK0t9Nnl8W4j1Ke0t7Lbpt2xuWuhKbUoBESyy+RNscfKxQgEnim+Df2pPC/xC+MWn+BNBtNTulvPDK+Jo9WmsZ4IjC8vlxpteMMuQsmWfaAVVOWJAAPZ80bq+V9b/AGoPEln+0l44+Fp1Lwnop023006HNqVpPJNqN1elVjtyq3Ck7SfmZAcLltoAr0vTf2nPA8fij/hDNa1g2PjmzNtbatpken3TRWVzLbG4CtN5ZjVCiSMrl9pCnnNAHr1FeM3H7Yfwis9FutWn8W+Tp9tbWN7JM+nXY/0a8fZazqPKy0Tv8u9QVBIBIJqzpn7WHwu1bW7PSIfENxFqN1rbeG0gu9IvbfZqQQuLWQyQqIpGUEqHK78HbnBoA9dory64/ac+GNqmsSTeLbaKHSobu4uZmhlEZS1mWC5MT7MTeXK6RsIyx3Mo6kV3XhvxVp/iyymutPNz5UM7W8i3VpLbSLIuMgpKqtjkYOMEHIJFAGvRRRQAUUUUAFFFFAHif7Yn/JCtV/6+7T/0ele1r90V4p+2J/yQrVf+vu0/9HpXta/dFQt2bS/hx9X+gtFFFWYhSL0paToKAPFPjp/yVb4Nf9hif/0UK9rrxP45t/xdb4Nn/qMT/wDooV7ZUrdm0/gj/XUWiiiqMQoopM0ALRTdwp1AHi8HwCv/AAf8bPFnxH8Ea7Z6Zc+MLa1h17S9VsHuoJprZSkFzEySxtGwRmVlO4NnPynk5Xxa/ZdufidrUGvjxZ9j8QyeFdU8JXt1Np6ywy216BmSOIOuxo25UEtlflYk/NXvtFAHx0n/AAT3k0231ey0nx9Fa6bdap4YvrWG50RppLeLRbZIIYmcXK+Y0ixoWfC4O7C8jHsmn/s06BY/Er4neKxdXHl+PNOisbzT4zsS3byjFcTR44Dyotvk46w553GvYaKAPkPQ/wBg++0fwl8NdFTxf4fjn8DeIdO1i21W38JCK71GCyM3k291It0C5xMRvGAME7MkmvZ5Pgncp+0wvxZtdeSGGbwwvhu70aSy3mRUuXuElSbzBsO58EFGyBwRnj1WigDwzQ/2aprD9pDxl8UdR1+x1Wy8RW1hb/2G2ksjWrWbK8Ei3H2g7mDqGP7sdBjFaPhP4Dan4V+LXxh8bw+Kot/xAhsEit4tM2yaXJaWrW8cgkaVll4bdgooyPTivYqKAPh7Uv8AgnR4j13S9Tt9T+K1rdX2p6JpmkXmoSeHpZJZWstQF4kx3XvLNtVCM4AHyhQAo7q//Yp1K+8WT60fHlqgl+Jdp8Rvs40JuHghMP2Td9q6Mpz5mMgj7p6V9T0UAfMHgj9iuLwP4d8U+HotS8Nato+pXl1LYvq3hZLi8htbq5Wa4s55zNmaFgHX5RG2WVt2VFesfAP4Pr8Dfh7H4Uh1afVLGC7uJ7OOZpGSxt5JC0drEZHd/LjXCjcxPB6DAHo9JuoAWim7xTqACiiigAoopKAPFP2xP+SFar/192n/AKPSva1+6K8T/bEP/Fi9V/6+rT/0oSvbF+6Khbs2l/Dj6v8AQWiiirMQpDS0negDzb4wfCW9+JVx4dvdL8RyeGtU0O5e5t7tLRbnll2n5WYDt/Piuc/4U/8AFP8A6LXc/wDhPW//AMXXtlLUuKNVUklY8S/4U/8AFP8A6LXc/wDhPW//AMXR/wAKf+Kf/Ra7n/wnrf8A+Lr22ilyoftZHiX/AAp/4p/9Fruf/Cet/wD4ukf4RfFNELf8LquTgZ/5F+3/APi69urD17xPZ6DeabaXYkT+0pGt4Zto8tZQhZUY54LBWxxgkY6kAzK0VdlRnOUrLU8R8C+Bfin4z8F6Hr//AAuK5szqVlDefZ/7Ct38vzEDbd24ZxnGcdq3f+FP/FP/AKLXc/8AhPW//wAXW58BfE1pdeAPCWhwrLLdWnh2wuJ5FX91GHiUIhbP3jtY4HYZOMjPqNZ0Wp04s2xEp06sotW17HiX/Cn/AIp/9Fruf/Cet/8A4uj/AIU/8U/+i13P/hPW/wD8XXttFbcqOf2sjxL/AIU/8U/+i13P/hPW/wD8XR/wp/4p/wDRa7n/AMJ63/8Ai69tpKOVB7WR4n/wp/4p/wDRa7n/AMJ63/8Ai6P+FP8AxT/6LXc/+E9b/wDxde2ZpaOVB7WR4l/wp/4p/wDRa7n/AMJ63/8Ai6P+FP8AxT/6LXc/+E9b/wDxde2bqWjlQvayPEv+FP8AxT/6LXc/+E9b/wDxdH/Cn/in/wBFruf/AAnrf/4uvbKWjlQ/ayPEv+FP/FP/AKLXc/8AhPW//wAXR/wp/wCKf/Ra7n/wn7f/AOLr22m0cqD2sj531LwL8VNP8XaNon/C47mT+0La5n8/+wrceX5RiGNu7nPm+vGPet3/AIU/8U/+i13P/hPW/wD8XV/WPiDpEvjnQ9ZlkktLXS7LWI71LhcSQNE9tuDKM9gCMZ3BlIzkV6ppt9/aWn210bea1M0SyGC4UCSPcAdrAEgMOhwTyK5qUozlNX6/ojsr89OFNtWuu3mzxz/hT/xT/wCi13P/AIT1v/8AF0f8Kf8Ain/0Wu5/8J63/wDi69spa6eVHH7WR4l/wp/4p/8ARa7n/wAJ63/+Lo/4U/8AFP8A6LXc/wDhP2//AMXXttJ+lHKg9rI+fvE37OfjnxtpZ0rxD8XLjU9KkkjkltTocMe/YwYfMr5HI/8ArHpX0CKTPanVSSWxMpylZMKKKKZmFJS0lAHmfxi+K2pfDm48N2GjeHf+Ek1XXLp7a3tTeLagFVDffYEd++Oh5rnv+Fn/ABk/6IzH/wCFNa/4UvxyH/F1fg36/wBsXH/ooV7ZUatnRdRjF2vc8S/4Wf8AGT/ojMf/AIU1r/hR/wALP+Mn/RGY/wDwprX/AAr22vKfG37RWieB/ipp3w+n0LXdS8Q6hpk2r2q6fDA0UtvDnzCGeZfmGPukZORjNO3mT7RfyoyP+Fn/ABk/6IzH/wCFNa/4Vj+MPE3xb8YeHbzSbr4NiFZ1BSePxNab4ZFIZJF44ZWCsPcV6z8K/il4a+NHgDR/GnhK+/tLw/qqM9tcGNo2O12jdWVgCGV0ZSPVTWF8Pfj14e+J3jLxF4f0Ky1iUaHd3dhcarJYstg9xbSRxzxJNkjeryABWALBWK7lGamUFNOMtmXCt7OSnGKujyr4UyfFn4V+EbXRbf4RDUJ4wPPvpfElorzsFCKSBnACKiAZOFQCux/4Wf8AGT/ojMf/AIU1r/hXtfHWlyOamnSjSgoQ2RVXEyr1HUqJNs8T/wCFn/GT/ojMf/hTWv8AhR/ws/4yf9EZj/8ACmtf8K9s3A5Hp1o3Dj3rS3mZe0X8qPE/+Fn/ABk/6IzH/wCFNa/4Uv8Aws74yf8ARGI//Cmtf8K9s4pPrRbzD2i/lR414Q+NXiu8+JOmeEPFvgNfC0+pW01zbzLq0V3kRjJyEXgdep9K9mrxPxl/ydV8Pu3/ABKL/wDka9soiFS2jXVHN/EbxePAPgXWvEbWxvRpts1wLcPs8wjoN2Djnvg4ry7TfjB8XNW061v7T4OxzWt1Ek8Mn/CS2w3IwBU4IBHBHWus/aO/5IZ40/7Bz/0rpPhr/wAk68LH/qF2v/olaT1dio2jT5rX1POP+Fn/ABk/6IxH/wCFNa/4Un/Cz/jJ/wBEZj/8Ka1/wr22inbzJ9ov5UeJf8LP+Mn/AERmP/wprX/Cl/4Wd8ZOn/CmI/8AwprX/Cuvu/jNon/CxNR8D6Ta33iLxLpdlHf6la6YsW2wjkP7kSySyIoeTBKoCWIBYgDBO74F8aWXxA8L2mvafBeWtrcvLGsOoQGCdGjleJg8Z5U7kbg8juAeKLeYe0X8qPmrxJ4f+KXiT4kad4rk+EhhjgGbvTV8R2hivHUqYnY9ipSMng7vLjB4Xn0hfiZ8Y1XA+DEf/hTWv+Fe2bqMj8uaxp0IU25R3erOirjJ1owjNXUVZeh4p/ws74yf9EYj/wDCmtf8KT/hZ/xk/wCiMx/+FNa/4V7ZuGMg8etYmk+ONB17xNrvh7TtSgvNY0MQHUrWE7mtTMrNErnoGKqW25yAQSAGGdreZz+0X8qPLv8AhZ/xk/6IzH/4U1r/AIUv/CzvjJ/0RiP/AMKa1/wr2yii3mHtF/Kj588UftAfEfwLpJ1jxH8Jk03SI5Y45rlfEEEpXewUYVFJJyR2719BivE/2wh/xYnVc/8AP3Z/+j0r2xfuihbsc7OCklbf9BaKKKowCkXpS0goA8U+On/JVvg1/wBhif8A9FCva68U+On/ACVb4Nf9hif/ANFCva6lbs2n8Ef66i18aftTfs+/EL4wftI+HdT8MQ6t4e0aDwjqOjnxfp2oW0JsrufJiJjMwmaPICvtTOHO3nkfZVJVGJ+fFh8APij4g0b4UaV4l+HOoeHPDWleHNQ8M6toXg/UtLQ2d28kbpqlt5kpRfN25LriaNi5A5y1rS/2a/ihof7PPxD0XSPCcmk+ILv4lN4kXT1vLHzda0cXiSrb+YrmMHaD+7m2rwVxhiK+nPjR8fbr4T/EL4beFIPDkWsS+N72bT7a6k1E2yW0kaByZB5TkqVPUc5GMd6veF/2hPDN2jW/irWfDnhLWWljFvYza9C/2u3mKfZriEuI2aObeAuUB3Ar1GKAPnXwD+yO0n7S1jq2veBNYuPh2vhIxwzeItRsZJrXVRrD30atHayjaI1bCbFZVXCZxkDH0f8AZn+IjfDX4w2GvaFrmq+Or3TfEmm2F8upaf8A2bri30hltZCCwl81H2bTOVEQVtp5219pW/xH8J32p3mm2/ifRp9Qs4pZ7m0j1CJpYY432Su6BsqqMCrEjAIwcVgj9ob4WNbXFyPiV4Qa3t7dbuaUa7alI4WbasjHzMBC2AGPBJA60AfErfsw/F/QbbxB/wAI54Kk02xudG8Hy3+krqVlEmu3FgQdRtWKTn95IDtMkmFkCMCxBGfRfid+znruveLvBR0bwd4l074aXGlaxZ33h/TdVsV1HRr27nWcXaGeZ4kywIUwOTEANu0fLX11beOfDl5rUej2/iDS5tXkQSpp8d7E07IU3hhGG3EFCGzjoc9K3KAIbK3e3s4IpJGlkSNVZ3bczEAZJOBkn1wPoKm/wpaSgDxTxl/ydV8Pv+wPf/yr2z0rxPxl/wAnVfD7/sD3/wDKvbPSoW7Nqm0fQ83/AGkP+SGeNP8AsHv/AErpPhr/AMk58Lf9gq1/9ErXN/tIf8kM8af9g9/6V0nw1/5Jz4W/7BVr/wCiVoXxD/5dL1/yOj/ip1J3zRVmB80+D/ht4p+Cv7UXxc8aRaBe+K/C/wARIdMuY7jTJoPtGn3VpE8RglSWWMlHEm5XXIXGG29T5B+1Z8AfiV8SPGHxI1LQvAEl+vjDwBaaRbfZ7+zC22oQ6iZsTGWWPD+Vs+dA4BBAYgbq+rP2iPjAfgH8H/EPj5tI/t2DRI0mnshc/Z3eNnVCUbYwyCwOCAMZ5rP8O/HZGU33iu20Xwr4d+xwTnW5NdV7eG4lETLaTGSKIRylJ4mUZO4Nx0NAHkXwn/Z0uH/aS+Kfjfxp8PXGn3H9iX3hm6uLq1kxcQaa1tdhY45ztZmcqd4Cv1JOBXlfg/8AZD8deFP2MdAstO8IPpPxatb61OvWI1G2abV9Ot9TluVthKJXgIKSAgOQCF2NxgV9rWfxo+H2pS28dp468N3UlxOLWFYNWt3MkxdoxGuH5YujrtHO5GHUGlvPjN8P9N1xtGu/HXhu11hboWTafNq1ulwLgruEJjL7t5XnbjOOcUAfBfxO/Y38Z61qHj9/D3w91m/0/UfAf2LRDr+paUbqDV21aS6CjZMqReXHKQjLwiLsVuAK+jv2c/hL4k8C/tCfF7xNrvhMWFp4pg0a5stYMts7F47GOO7hbY5kDmdSzHGxiu7ceM+3WvxX8E3nhuPxDbeMNBn8PyTNbJqkWpwNatKuQYxKG2lhtb5Qc8H0rpLW7hvrWG5tpo7i3mRZYpomDI6EZDKRwQQcg0AWKKT8KKAPFP2xP+SFar/192n/AKPSva1+6K8U/bE/5ITqv/X3af8Ao9K9rX7oqFuzaX8OPq/0FoooqzEKSlpKQHinx0P/ABdb4Nf9hi4/9FCvas1438fvDfinUNe8Ba94X0H/AISKbQb+W5msvtkdsWVkCj5nOPXoDUP/AAtP4v8A/RFf/Lntf/iai9mzpceaEbM9rzRmvFP+Fp/F/wD6Ir/5c9r/APE0f8LT+L//AERX/wAue1/+Jp8xHspHP/tOfs96/wDG74k/CPVbSx8N6n4a8Kajc3mrWGvXMim8jmiEZiSNbeRWGMn5iMnA96dp/wCzPPp/7Tmk+MTp+hX3gHS/ANv4PtbO+lea9jlgvBcRS+W0JjKgKoz5m7Izit7/AIWn8X/+iK/+XPa//E0jfFX4vKuT8FsDr/yM9r/8TRzB7KR5L8P/ANmP4paB8avDnjLVj4Q+waQfEkS2mk3c1tEYr+QS2+yBbUKh3gmQlnYli25sBRw3hn9g34k6H4E0HQprnwfLcaf8NNe8FSTLqFztN3fTSvFMubTPlqHG7OGyWwDjJ+htD+N3xR8SaPY6pp3wc+02F7ClxBN/wkluu+N1DKcMgIyCOozV7/hafxf/AOiK/wDlz2v/AMTSVRSV0VKjOLcXueSfsy/sd+J/hB4rgn8WJoniG1t57PVrLVINavhPp17HpqWU6JbeWkcysqlVd2BCMQUOAK+xs14p/wALS+L3/RFf/Lntf/iaP+Fp/F//AKIr/wCXPa//ABNPmJ9lI9qzS14p/wALT+L/AP0RX/y57X/4mj/hanxf/wCiK/8AlzWv/wATRzB7KQnjM/8AGVXw+/7A9/8AyNe2elfP/h6w+IPjT45eG/FPiHwN/wAInpuk2F1bM39qwXe8yD5eEwRyfSvoD0oj1HU05V5Hm/7SH/JDPGn/AGD3/pXR/DU/8W58Lf8AYKtf/RK1nfGrw7f+L/hV4n0bSoRcajeWTxQRM6pvfsuWIAz7nFeceG/HXxe8O+HdL0ofBrzxY2sVt5v/AAktqu/YgXdjHGcdKNmVGPNTsn1PfaMivFP+Fp/F/wD6Ir/5c9r/APE0f8LT+L//AERX/wAue1/+Jo5kR7KRb/a0+FOv/HD9nzxd4E8MyabBq+uQR28c+rXEkMESiVHLExxyMTheBt79RXnXxY/ZQ1LxR+yH4g+F/hPT/Dug+IdeksLm9je6kTTRcQy2rTOrJb7jvW1B/wBUMs5Jruv+Fp/F/wD6Ir/5c9r/APE0f8LT+L//AERX/wAue1/+Jo5g9lI8e/aD/ZR+IPxI8Sa63hS08E6HoV/Ho1ykMMr2U73drffaZvtDx2rGYEPJsYsoBYkxljuEXxK/Y/8AH/jLx/8AETXbSTwqLXxH4y8NeIbWO5v7gOttpsWyWOTFqQHcqNoBI+ZskY59YuPjd8UbXVrPTJfg3svruOSWCL/hJLc71jKhzkJgY3r1Per3/C0/i/8A9EV/8ue1/wDiaSqJ3S6FOhOKTfU8Nb9jX4h2t82sRXmgXN3b/FDWPGkWkJq95bQXWn6hF5TQvcRwB4p0UtgqrL8zc819d/D3wlZ+A/A2g+HLCyh02y0uzitILK2mkmit0RQFjR5DvdVA2hm5IHQdB5t/wtL4vf8ARFf/AC57X/4mj/hafxf/AOiK/wDlz2v/AMTT5ifZSPas0V4r/wALT+L/AP0RX/y57X/4mj/hafxf/wCiK/8Alz2v/wATRzIPZSE/bDI/4UTqv/X3af8Ao9K9sX7or5i+LVx8W/i54Ln8MyfCkaMlzPC7Xp8QW0wjCSK3KcZ+7619Or0FC3ZU1ywivX9BaKKKs5wpOlLSUAJ2pfxoo59KAE/Gj8aXn0o59KAE/Gmzf6l/of5U7n0rP1LXLLT7u0sbidYrq+8xbaNgf3jIu5gD0yFBOOuAT2NTJpLUqKbehy/wNX/izfgj/sC2f/ohK7jHvXnPwL12xb4a+CtIW4VtRXw9ZXLW6glljMSqGPYAkEDPXBx0Nej8+lZULOlG3Y2xCarSv3Yn40fjS8+lHPpW5zifjS0c+lFACbadSUUAJtox70tHPpQAn40fjS8+lHPpQAn40tJz6UueppAcN4hB/wCFueD+f+YdqX/oVrXcfjXmmq+J9LvviJ4U1SG8iNhDYauss7HasZjktlkDZ6bSrA56YNeh6bqUGrWFte2zF7a4jWaJipUlWAIOCARweh5rmoyTlO3f9EduIjKMKd10/wDbmWPxo/Gj8KXn0rqOIT8aPxpefSj8KAExTqTmloAKKKKACm06m9uKAOF+KXxg0v4UrpIvtN1bV7nVJmgtbPR7YTzOyrk/KWXPUdMnnpXIf8NQQf8ARM/iN/4IR/8AHKZ8c1/4ur8Gh/1GJ/8A0UK9s21GrZ0e5GKbV7ni3/DUEH/RM/iN/wCCEf8Axyj/AIagg/6Jn8Rv/BCP/jle07aNtFn3FzU/5fxPFv8AhqCD/omfxG/8EI/+OVzXj746ReMPDstpB8OfiJaalE63NjdtoAP2e4Q5jf8A1nTPDDupYd6+jttLtqZw54uLe5dOtGnNTjHVeZ8o/BP4pt8M/B1tZan8PPiBf620UUV1dQaDmPbEgjijTLg7VRR2GSWbALGvRP8AhqCD/omfxG/8EI/+OV7Tto21NOkqMFTi9EaV8SsRUlVnHV+Z4t/w1BB/0TP4jf8AghH/AMco/wCGoIP+iZ/Eb/wQj/45XtO2jbWln3MOan/L+J4t/wANQQf9Ez+I3/ghH/xyj/hqCD/omfxG/wDBCP8A45XtO2jbRZ9w5qf8v4ni3/DUEH/RM/iN/wCCEf8Axyj/AIagg/6Jn8Rv/BCP/jle07aNtFn3Dmp/y/ieLf8ADUEH/RM/iN/4IR/8co/4agg/6Jn8Rv8AwQj/AOOV7Tto20WfcOan/L+J4t/w1BB/0TP4jf8AghH/AMco/wCGoIP+iZ/Eb/wQj/45XtO2jbRZ9w5qf8v4ni3/AA1BB/0TP4jf+CEf/HKb/wANQQf9Ez+Iv/ghH/xyva9tG2iz7i5qf8v4nxl4u8Vv4g+JNrqlt4B8fQeF7oSPq2mtoJDyyHy93l4cjbL5MSyAkcK3BLmvYl/aet1UKPhn8RsD/qAj/wCOV7XtpdtYU8PGlKUo7s662M9vCEJx0irL+u54p/w1BB/0TP4jf+CEf/HKX/hqCD/omfxG/wDBCP8A45XtO2jbW9n3OXmp/wAv4ni3/DUEH/RM/iN/4IR/8cpP+GoIP+iZ/Eb/AMEI/wDjle1baNv5U7PuHNT/AJfxPDL79rTR9IhW41TwL460mz3rG93faOsUKbiACzGT1P19M17pXif7YYx8CtV/6+7T/wBKEr2xfuiiN76imo8qlFWvcWiiiqMQpF6UtIvSgDxT46f8lW+DX/YYn/8ARQr2uvFPjp/yVb4Nf9hif/0UK9rqV1Np/BH+uotFFFUYhXnnjD9oDwH4B8VP4b17W3sNaTTpNXa1+w3MmLOMEyT7kjK+WuDubOFxzivQ6+Hf2pfBet+LP2sbSe1sfF9poZ+G+qaTca3oGgz3cazzM7LbiQQSIWdeMKQwzgMpwaAPtLQfEGm+KdEsdY0e+t9T0q+hS4tby0kEkU0bAFXVhwQQQcirV1dR2drNcSlvKhRpH2KXOAMnAAJJ9gM1+ePi+6+LXhX9nr4f+HtP8F+L/CHieHwBqe3T/By3babYXkbxtahhbh5DdMkYIWWQIvmyA72JU+m/A/W/Hnijx3rs/wASJfiBper2cttqejQWmn3celX+nPpio8EyCIxCRZmkkdG2TeYEC5wFoA+qPAnjzQfib4T03xP4Y1KPV9B1FDJa3sKsqyqGKkgMAeqkcjtW9uFfmJ8B9Y+Jvws/Zx1jQPFOj+NvA81j8PLm48Pa5Y6ZqP2fTZY5bpp4bu3YCNLwnDpIwGY9m0q33rmk+NPEXj6TRLnwj8RfGPiM3PxA8PLq2j+G7vXbibRNENnJHdGczRRuIpZldy5jwCMBiV4AP0vzRur4b+Nug/GrwVq3ivQ/BmpeMtW/s/QtCg8C3jXM90Lq8/tFRetfSj5JH8v75n48nJGPmNZXw31L4s2fxm8E6Xqn/Cw5LSx+I/iWLVGuY9SlsTpDwn+z/MlYGKSAMU2EkhevFAH3zmua/wCFkeHB8Q18CtqQXxW2ntqq6c0MgZ7UOI2lVyuwgOwU4OQTXwnodx8a9P8AHen6jpq/Eea6b4h+KbOGHWI9Tk0/+xzbt/ZpmSUeUIPNaPZI445w2FONn9lDRfF037Qvw78Q+JdK8cTaifhrdafr+q+JrK/KR6u2oRyyQ+bOuxBhGKqhCYAC88UAfYmsfGbwfoWo3tld6q4lsby30+7kgs55oba5n8vyYZZUQojt5sWFZgcSoT94Z6+6uo7O2mnl3eXEjSNsRnbAGThVBJPsBk18RePPA/irR/jHqvjz4VXXiPTdY1LxTb2PiT4f6xpk1xo+vxLPHC1/DI8YSLEIEjSg4BjK7gQA+H4F1D4s2vxd8I6TqQ+IktpZfETxPDqZuotSlsm0h4G/s/zJWBikg3FNhJYLnPGaAPt/wH490D4neEdN8T+F9Sj1fQdRRpLS9hVlWVQxUkBgD1Ujkdq1tN1Sz1i1+02F1De2294/Ot5A6bkco65BxlWVlPoQR2r4E/Yv+H/xH8LQ/CXw89j4r0fQU8GapB4w0zV2u4LSC4e6Y2awrIQsc5DsT5ODs5bqDXN/An4f+O4/Cn7M3geaL4peDtLe28S2PjI6eNUsltZin+hs8mNkQ8zlHGF3biCctkA/SjcKranqlnoun3F/qF3DY2NuhlmubmQRxxIOSzMTgAepr4U+I3ir4u6X8bYrXwZZ/EJ49P8AGCWHnatDd3Fhd2b6WUVvkjFuLXz40YuxeTe7Mxj/AIsHx54S8YfEz9iDWJ72D4mat8QxDoi654e1a2vcJe22oq11PaxlAZN6PIxEDPHsjiIVSoNAH3pofjzQfEniLxFoWm6il1q3h6aGDVLZVYG2eWJZY1JIwcoyt8pPXHXit7NfCevX3xf/ALW+NCeFo/Hcfh7/AISbwydPa+i1D7QNHMUY1H7C043ltwbf5Z3j5j1xXL6lD8aNU+IcFrfyfEiPwY+o+OPsMmmvqiMdOWGNtIM0kPzBvPFz5JciRl2DlSoIB+imaWvLf2YNQ8San+zv8PLjxlHqUfio6Lbpqa6zBJDefaFQK5mWQB95IJJYc5zznNepUAFFFFAHif7Yn/JCtV/6+7T/ANHpXta/dFeKftif8kK1X/r7tP8A0ele1r90VC3ZtL+HH1f6C0UUVZiFIvSlpKAPFPjp/wAlW+DX/YYn/wDRQr2uvC/2jpr3SPFXw08QQaLqmtWekanNNdR6Tam4lVTGAPlHrz1I6VZ/4aksf+iefED/AMEX/wBsqLpN3OpwlOEeVf1c9sorxP8A4aksf+iefED/AMEX/wBso/4aksf+iefED/wRf/bKfMjP2NTse2U3bXiv/DUlj/0Tz4gf+CL/AO2Uf8NSWP8A0Tz4gf8Agi/+2UcyD2NTse1baXbXin/DUlj/ANE8+IH/AIIv/tlH/DUlj/0Tz4gf+CL/AO2UcyD2NTseseI/DWmeLtDvNH1myh1HS7xPLntZ1yjjII+mCAcjkEAjpUOh+D9L8O3d1d2cEjXt0kcU15dXEtzPJGhYxoZZWZtimSQhc4BkcgZY58t/4aksf+iefED/AMEX/wBso/4aksf+iefED/wRf/bKOZB7Gp2Pa8UV4p/w1JY/9E8+IH/gi/8AtlH/AA1JY/8ARPPiB/4Iv/tlHMg9jU7HteKTbXiv/DUlj/0Tz4gf+CL/AO2VFdftX6VYxebceAvHlvHuVN8uihRuZgqjJk6liAB3JApOcUrtjVCpJ2SPb9tLivFP+GpLH/onnxA/8EX/ANso/wCGpLH/AKJ58QP/AARf/bKfMhexqdj2rbRtP4V4r/w1JY/9E8+IH/gi/wDtlH/DUlj/ANE8+IH/AIIv/tlHMg9jU7HteKTb714r/wANSWP/AETz4gf+CL/7ZR/w1JY/9E8+IH/gi/8AtlHMg9jU7HteKTbXiv8Aw1JY/wDRPPiB/wCCL/7ZR/w1JY/9E8+IH/gi/wDtlHMg9jU7HtW2nV4n/wANSWP/AETz4gf+CL/7ZR/w1JY/9E8+IH/gi/8AtlHMg9jU7HtlFeJ/8NSWP/RPPiB/4Iv/ALZR/wANSWP/AETz4gf+CL/7ZS5kHsanYP2xP+SFar/192n/AKPSva1+6K+VPjr8XJviz8O7nw1o/gHxtBqF1c27RveaMUj+WVWOSGJHA9K+q16CiLu2VUi4win5/oLRRRVnOFNp1JtoAQrS4o5o5pAGKMUc0c0AGKMUc0c0AGKMUc0c0AGKMUc0c0AGKMUc0c0AGK4X4y8eCUI/6C+lf+nC3ruua4X4zf8AIkJ/2F9K/wDThb1jW/hS9Dpw38eHqvzO4jACinYpq/dH0p3Nao5wxRijmjmmIMUYo5o5oAMUYo5o5oAMUYo5o5oAMUYo5ooATbTqSlpgFFFFABRRRQAUVwvxQ+MGj/CiPSzqdnqWoT6nM0Fta6XbiaV2UZPy5HqPfmuN/wCGp9L/AOhE8ef+CM//ABdTzI1jTnJXSPbKK8T/AOGp9L/6ETx5/wCCM/8AxdH/AA1Ppf8A0Injz/wRn/4ujmQ/Y1Ox7ZRXif8Aw1Ppf/QiePP/AARn/wCLo/4an0v/AKETx5/4Iz/8XRzIPY1Ox7ZRXif/AA1Ppf8A0Injz/wRn/4uj/hqfS/+hE8ef+CM/wDxdHMg9jU7HtlFeJ/8NT6X/wBCJ48/8EZ/+Lo/4an0v/oRPHn/AIIz/wDF0cyD2NTse2UV4n/w1Ppf/QiePP8AwRn/AOLo/wCGp9L/AOhE8ef+CM//ABdHMg9jU7Htleb/ABe1myuvDdzYRXCveWmq6O88P8SK9/AVOPQ7W5/2T6Vzf/DU+l/9CJ48/wDBGf8A4uvLvjV8Vm8cW9le+GvCPjHTtdt5YVeS70NvKmhWdJgrBWJJWSNWX/gQ43k1y4qbVKXIr+R3YGhfEQ9porrX/M+rdL1my1f7QLO4S5+yzG2mMZyFkUAsv1GRn0PHUVoV89+E/wBoDQvCPh+z0m08DePmit0wZJNEJeVySzyOd/LMxZie5Ymtj/hqfS/+hE8ef+CM/wDxdbQl7q5tzlqUJKTUVoe2UV4n/wANT6X/ANCJ48/8EZ/+Lo/4an0v/oRPHn/gjP8A8XWnMjP2NTse2UV4n/w1Ppf/AEInjz/wRn/4uj/hqfS/+hE8ef8AgjP/AMXRzIPY1Ox7ZRXif/DU+l/9CJ48/wDBGf8A4uj/AIan0v8A6ETx5/4Iz/8AF0cyD2NTse2UV4n/AMNT6X/0Injz/wAEZ/8Ai6P+Gp9L/wChE8ef+CM//F0cyD2NTse2UV4n/wANT6X/ANCJ48/8EZ/+Lo/4an0v/oRPHn/gjP8A8XRzIPY1Ox7ZRXht1+1v4d01Fl1Hwp4y0u1LqjXV7pHlxR7iACxL+/19M17jTTT2IlCUfiQtFFFMgKSlpKAPE/jmv/F1fg3/ANhif/0UK9s5rxT46f8AJVvg1/2GJ/8A0UK9rqFuzafwR/rqHNHNLRVmInNHNZXirxVpPgjw3qfiDXb+HTNG0y3e6vLyc4SGJASzH6AHgcnoOa045VljV0YOjDKspyCPUGgB3NHNGa5vU/iN4d0bxxovg691JbfxJrME1zp9i8T5uI4QDKVbbt+UEEjOeRxyKAOk5o5ozXklx+1d8L7S7FrL4iuBcNYS6qsY0i9JeziYpJcriH5olKtmQZXjOcUAet80c1zPhX4l+GvG2ueING0XVFvdT8PyxQ6nbeVIjWzSp5kYO5RncnzAjIIINdNmgA5pKXNc54G+Ivh34laff3vhvUl1K3sL+bTLphE8ZhuoTtliZXUEMp4PFIDo+KOax/GHi/SPAPhfU/EevXf2DRdMga5vLsxu4hiUZZyFBOAOTgcAE9qyPFPxb8J+C/h3/wAJ3rOrrZ+Evs8V0dU8mR41hl2+W5CqWCncvJHGRmmB1/NHNNjlWaNXQ7kYAg+xpd1AC80c0bqM0AHNHNVbrVbOxurO2uLuGC5vHaO2hkkCvO6ozsqAnLEKrMQOyk9qy/B/jzQvH1vqVxoGopqUOnahcaVdPGjKIrqByk0Z3AZKsCMjg9iaAN7mjmjNGaACilpMdKQHif7YQ/4sXqp/6e7T/wBKEr2xfuivFP2xP+SE6r/192n/AKPSva1+6KS3ZtL+HH5/oLRRRVGIUi9KWm5oA8V+On/JVvg1/wBhif8A9FCva68U+Of/ACVb4Nf9hif/ANFCva6lbs2n8Ef66i0UUVRieK/tHeGpfi1pa/DD+yZ73S9csbqfVLiaO4itBCqbI4/tEcLqs3myJMq5yfsxyMMM/LWsfEr4i6D/AME2NRh1yLxZ4J8f+CL/AE3Q/wC0jBeabNdwJqVvBHPA7KhlSS3faeuW3ZHIr9Dttcz8RPhr4b+LHha48N+LNMXWNDuJI5JbKSWSNJGjcOhbYwJwyqwGcZUHqBQB8HeN/Enj7wz4msHn1vx5pnw91D4yaZpeji6vNTj1C602SwmN7CA7faXgM0Y2AgkFW2YrR+DXh34j618bPgxf+MNL8X3Oj2b+MobXVtUtLz7RaaZOY1sBd3LLvilZY32mVhJgJ6jP214y+Ffhj4gr4fXxDpz6n/YF7FqWmtJdTK1vdRgiOYMrgl1BOGYk/MfU10OqaVa65pl3p1/bx3djeQvb3FvKNySxupVlYdwQSPxoA+ef2QfDfjvRYvFGl+OdW1nWJPCmq3mhabqmp6nPcPq1s832qO7lVmKswilt41bquyRRwa53xN4bvF/4KIeDb+Hwxqz+FLXwFcaNLqMOi3DabFM9wzpAZhH5QGzHGcDgHHSvp3wr4V0rwT4esdC0Kyj03SbGPyra1iztjXOcDOT1JOT61q7aAPzx8eeHfHvh39oD4oeKPC+j+OrFpfiF4T+zSaPYagtpe6clqsV8WjjTy7iFQjKxYMq4GMbuej0bw38Xbz4Z/tDeJNI1T4iJ460zxB4htPCOl6tcXiW02myNEbd7eCcbZSqrL5LrkqWwOoFfdmKTbQB8C+d8VY9U0DXNE1rxx4p0a6e1e78J6rpesaNNbJcvbxyC2uXdi80DwSSOLrMXlzS7TtzjN+Cug+P/AAd8ZfDt/Z6T470vTNW+KniuTV7d7DUY9Pk0ydN1rPNCyCII0jKVmZc5/iwuB+hmDRQB+bnxQtPj5rvgfWtMvbDxXqup39l44tPFGnx2tzcWclu8QTSEtYwCjZdoxH5I3FTMW6Oazvj74b+JXiT4XeJfDN5oXje605/hnoFv4W0bSbG/NvJeh4/tqXMMS7fPUqBtnGQoG0Ann9NP5UuKAPBPjpc+MWvvg8+iDWIPBkmsKfFR0qOeO8S2+yuYQ4jAmSPztm/GCMKG4zXxV/wlHxr8u50DxPrHxBHj5vhKup6bpOk3V/8AaBqh1i5hspp4YDhJDbrAsnmAKTu8z5q/U/bXLr8MPDSfEd/Hq6cR4tewGltqX2iXcbQPvEOzds2byWxt+8SevNAHy5rjfGC++O9npfiXWfE2gaUdB0O7srzw9pN3e2U95FIW1O3lNu6xRtKSV3TZwm0oVIBPJfDG3+Inhf8AZD8O+MfEU/xf1f4g3d9aWOq6NNcX32iKOPVZGEjQSRPMkbQFFkkhQu0eAOcmvvnFJtoA/Oz4T6H8QtY+OnwZ1zxlpHje9t9C8ReL9LN/eWmogwW7GFtO81m+byWDOBJISrKux2IXAq6fffHZrjx1Hej4ix+Go5PGn9hMItRW8a9yh0kZYeY0Plk+TnMZfcD82K/R3bRtoA/O742R/HO6m1tmb4iR67b/AAj0u52eF/7RFm3ilbpROIfs48p5NjfMi5UrnIODj7+8L3dxqHhvSbq7WWO6ntIZZVmiMTq7ICwZCAVOScqQCOlae2jb70AOoopM0AeKftif8kK1X/r7tP8A0ele1r90V4p+2J/yQnVf+vuz/wDShK9rX7oqFuzaX8OPq/0FoooqzEKTvS0lAHhX7SF3caH4s+GXiBdK1LVLLStTmmuV021aeRVMYA4Hrz1I6Va/4aq0X/oTfG3/AIJG/wDi69q20u2ps+5uqkeVKSvY8U/4aq0X/oTfG3/gkb/4uj/hqrRf+hN8bf8Agkb/AOLr2vbRtos+4uan/L+J4p/w1Vov/Qm+Nv8AwSN/8XR/w1Vov/Qm+Nv/AASN/wDF17Xto20WfcOan/L+J4p/w1Vov/Qm+Nv/AASN/wDF0f8ADVWi/wDQm+Nv/BI3/wAXXte2jbRZ9w5qf8v4nin/AA1Vov8A0Jvjb/wSN/8AF0f8NVaL/wBCb42/8Ejf/F17Xto20WfcOan/AC/ieKf8NVaL/wBCb42/8Ejf/F0f8NVaL/0Jvjb/AMEjf/F17Xto20WfcOan/L+J4p/w1Vov/Qm+Nv8AwSN/8XUVx+1p4ftI/Mm8J+M4Y9yruk0YqMsQqjJfqSQB6k4r3DbXCfGYf8USh/6i+lf+nC3rOo5Rg5J7G1H2dSpGDju7bnH/APDVWi/9Cb42/wDBIf8A4uj/AIaq0X/oTfG3/gkb/wCLr2hceWv0p+2r17mXNT/l/E8U/wCGqtF/6E3xt/4JG/8Ai6P+GqtF/wChN8bf+CRv/i69r20badn3FzU/5fxPFP8AhqrRf+hN8bf+CRv/AIuj/hqrRf8AoTfG3/gkb/4uva9tG2iz7hzU/wCX8TxT/hqrRf8AoTfG3/gkb/4uj/hqrRf+hN8bf+CRv/i69r20baLPuHNT/l/E8U/4aq0X/oTfG3/gkb/4uj/hqrRf+hN8bf8Agkb/AOLr2vbRtos+4c1P+X8TxT/hqrRf+hN8bf8Agkb/AOLpP+GqtF/6E3xt/wCCQ/8AxVe2baNtGvcOan/L+J8o/Hj4yRfFb4c3XhrRvB/i5NRurm3aM3WkMifLKrHJBPYelfVy9BSbadQk9xSmpJJK1goooqjIKKKTNAC0U3cKNw9aAHUU3cPWjcPWgB1FN3D1o3D1oAdRTdw9aNw9aAHUU3cPWjcPWgB1FN3D1o3D1oAdXCfGbH/CDoP+ovpX/pwt67ncPWvDf2htevvBtvHeXUktz4cv7zT9yqm82dxDeRSZGOdskav9GjUD79cmKqKnRk32O/A0pVsTCMd7r8z3BSNg+lSVzHgGPV/+EfS616Vv7TvJGuXtsgraK33IFx12LgE923HvgdLuX1rohLmimclSPJJx3sOopu4etG4etWZjqKbuHrRuHrQA6im7h60bh60AOopu4etG4etADqKbuHrQXA70AOopu8etOoAKKKKACmmnUlAHgn7Sujx+J/F3wu0C7nuU0zUtUmjuY7eZoi4EYI5U9R/Wr/8AwyL8P/TWf/BrN/jS/HL/AJKt8Gv+wxP/AOihXtdRZNu50ucowjyv+rnin/DIvw/9NZ/8Gs3+NH/DIvw/9NZ/8Gs3+Ne14oxRyrsR7afc8U/4ZF+H/prP/g1m/wAaP+GRfh/6az/4NZv8a9rxRijlXYPbT7nin/DIvw/9NZ/8Gs3+NH/DIvw/9NZ/8Gs3+Ne14oxRyrsHtp9zxT/hkX4f+ms/+DWb/Gj/AIZF+H/prP8A4NZv8a9qo/OjlXYPbT7niv8AwyL8P/TWf/BrN/jR/wAMi/D/ANNZ/wDBrN/jXtVHFHKuwe2n3PFf+GRfh/6az/4NZv8AGmv+yD8PpF2vHq7DIOG1SYjjkd69s/Oihwi9GhqtUi7qR4p/wyJ4B/u6x/4NZv8AGl/4ZE+H/prP/g1m/wAa9q6dKKfKifbT7niv/DIvw/8ATWf/AAazf40f8Mi/D/01n/wazf417Vx60cUuVdh+2n3PFf8AhkX4f+ms/wDg1m/xo/4ZF+H/AKaz/wCDWb/GvasilxRyrsHtp9zxT/hkX4f+ms/+DWb/ABo/4ZF+H/prP/g1m/xr2vFGKOVdg9tPueKf8Mi/D/01n/wazf40f8Mi/D/01n/wazf417XijFHKuwe2n3PFP+GRfh/6az/4NZv8aP8AhkP4f/3dZ/8ABrN/jXteKKfKg9tPufJv7QHwF8M/C/4a3XiPw/Nq1tqtrdWwhmfUZXC7plUnBPXBNfWS9BXif7Yf/JCdV/6+7P8A9KEr2xfuikt2VOTlTi35/oLRRRVnOFIvSlpBQB4p8dP+SrfBr/sMT/8AooV7XXinx0/5Kt8Gv+wxP/6KFe15qVuzafwR/rqLRSZ9qM+1UYi0UmfajPtQAtFJn2oz7UAea/tEaNqXiD4V32m6Lr2oeGNXvLyxtLXV9NuGhmtXmu4od4KkbgBIflOQfTpXxP8AEb9p3x54o/Y0spLbXdR8NfEHwhq1poPjC6sZjFci+S+W08suP+eqCWZtuMEIOh5/Qfxb4O0zxxpKabqyXT2i3EN2v2O9ntHEsUiyRtvhdG4dVbGcZAyDXF+Nv2afhx8Q9B1rRdc8Oedpmtaqmt6jBa31zafar1EjRZpGhkQkgQx8Zxld2M5NAHnWrftjad4f8XXGg2vhye70mx8Z2fw+OpXF+wkbUp7cyRsUMbEwh/LjaQsW+cttIHzYDftYaj8Sv2d/ibr6+Gbjw3qPhnRdYTXbKw1/y9Q0m8t5JYhDFN9lKiUpFJKsm0hCIwVO7I9tf9nvwDJ4qj8RPoCy6omoQavvkuZnje+hhMEV28Zfa8yxsVEjAseCSWAIu6l8E/Bmq+HPGugz6IiaV4znluNegtppYDfPLEkUhZ42Vl3JGoO0jPPqcgHzdof7dV7prR6fN4He60zStR8MaNe6rceIPNu3GrWkUsU4QWqiR08wBxuQE5IPOB3utftbXdj8ak+H1p4Ja5mPiW38PebcaiYrkpJaG6a/W3WF82yhWXfu5Yc7ecdEv7GvwjWG7i/4Ru8KXVzpt5NnXtRJebT4/KsnybjP7pAAOx2jOSBXMT/sweKF+NGs+N9P8f67ow1LXrXVZLbT9anWxktolhR7eXT3R45GeOJozJ5q43hgo2BSAR6h4+17x1+3Hc/C+51C80nwfoXg0a+LWwuHtZdRupblIRI8sZV/LjVmARWALcnOBj5+j+P/AMR5Na0jw5Drl7fT+G/joPBkF/JdtbjVNMMU7rbXbop8xlKIGcoSQAcEk5+6vEnwu8O+KvE2m+JLuykg8R6bDJbWur2NxJbXKQyY3xF0I3xkgHY+VDAMACAawG/Zx+Hn/CP6JoyeHhDZ6Lq58QWTRXU6zpqRDg3bzb/MlmPmOS8jMSTk5wKAPEdN/aof4leJPg1cf2Vq3h+5vPGWreGdT0+x1oC3S8tYJlZZQbf/AEuAgb15iIbaSDjFSf8ADwKyms7XUrXwFq9zomq6xLoGkaoGkS3kvVv0s447iQw7IN4Z5RtaQhI2BAbAPXt+ysbT4leALrSrvTdK8B+DdTn1qx0uGCVr2W6mt5o5jNM7t5peSbzTI3zfLtwc7h0t7+yN8KtQ0nxJpVx4alfSdfvG1C80/wDtO7FtHdM6yNPbxCXbbSllB3whG6jOCRQBx+vfHH4j2n7QPwZ8G3Xhmw8N2fiVtdk1S0lv1uZJI7IBYnjlSMgI6SJMqkK5OEby8Hd9J159d/AnwdqGs+DtYvLK+vdY8JPO+k6jdatdy3MfnKqyiSRpS0ysEQFZSwwoGMcV6Bn2oAWikz7UZ9qAFopM+1GfagBaKTPtRmgDxT9sT/khWq/9fdp/6PSva1+6K8U/bE/5ITqv/X3af+j0r2tfuipW7Npfw4+r/QWiiiqMQpM0tNwaAPFPjow/4Wr8G/8AsMT/APooV7Xu964v4lfCHw/8VrfT4tejuGNjI0tvJa3DQuhYYPI7EAflXE/8Mi+Bv+e+vf8Ag2l/xqNbm/uSik3se1bvejd714t/wyL4G/5769/4Npf8aP8AhkXwN/z317/wbS/409ewuWn/ADfge07vejd714t/wyL4G/5769/4Npf8aP8AhkXwN/z317/wbS/40a9g5af834HtO73o3e9eLf8ADIvgb/nvr3/g2l/xo/4ZF8Df899e/wDBtL/jRr2Dlp/zfge07vejd714t/wyL4G/5769/wCDaX/Gj/hkXwN/z317/wAG0v8AjRr2Dlp/zfge07vejd714t/wyL4G/wCe+vf+DaX/ABo/4ZF8Df8APfXv/BtL/jRr2Dlp/wA34HtO73o3e9eLf8Mi+Bv+e+vf+DaX/Gj/AIZF8Df899e/8G0v+NGvYOWn/N+B7Tu96N3vXi3/AAyL4G/5769/4Npf8aP+GRfA3/PfXv8AwbS/40a9g5af834HtO73o3e9eLf8Mi+Bv+e+vf8Ag2l/xo/4ZF8Df899e/8ABtL/AI0a9g5af834HtO73o3e9eLf8Mi+Bv8Anvr3/g2l/wAaP+GRfA3/AD317/wbS/40a9g5af8AN+B7Tu96N3vXi3/DIvgb/nvr3/g2l/xo/wCGRfA3/PfXv/BtL/jRr2Dlp/zfge07vejd714t/wAMi+Bv+e+vf+DaX/Gj/hkXwN/z317/AMG0v+NGvYOWn/N+B7Tu96Nw9a8W/wCGRfA3/PfXv/BtL/jSf8MjeBv+e+vf+DaX/Gld9g5af834CftiMD8C9VGf+Xq0/wDR6V7Yv3RXibfsg+AJNgn/ALYuUVg3lzanKyHBBwRn2r2ymr3uwm48qjFi0UUVRiFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAH/9k=)**

**Process of Motion Detection**

***Data flow diagram for Motion Detection: -***

***![A screenshot of a cell phone

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4SqqRXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIwOjAzOjMxIDE5OjE5OjA0AAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAM2OQAAkpIAAgAAAAM2OQAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAyMDowMzozMSAxOToxODowMwAyMDIwOjAzOjMxIDE5OjE4OjAzAAAAAAYBAwADAAAAAQAGAAABGgAFAAAAAQAAEZQBGwAFAAAAAQAAEZwBKAADAAAAAQACAAACAQAEAAAAAQAAEaQCAgAEAAAAAQAAGP0AAAAAAAAAYAAAAAEAAABgAAAAAf/Y/9sAQwAIBgYHBgUIBwcHCQkICgwUDQwLCwwZEhMPFB0aHx4dGhwcICQuJyAiLCMcHCg3KSwwMTQ0NB8nOT04MjwuMzQy/9sAQwEJCQkMCwwYDQ0YMiEcITIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIy/8AAEQgBAACyAwEhAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A9/ooAKKACigAooAKKACigAooAKKACigAooAKKACigAooAKKACigDIsLGO6tfOmmvC7SSZIu5VHDkDgNgVZ/sm2/563v/AIGzf/FUAc9ca3ottfpaSyagrSTPChN9LyVHPG/PUgD3NZ0fjLQJ1Z4U1h1S3ediLmbgIAWH3+uWA+tAGzoV/o/iH7QLKa/3W5UOrXsuRkcfx+xH4Gtn+ybb/nre/wDgbN/8VQBDHCLTWreKKWcxyW8rMsk7yAlWjAPzE4+8enrWpQAUUAFFABRQAUUAFFABRQAUUAFFAGdFYXluhjhvlWPczAGAEjJJ6596f9n1D/oIR/8AgP8A/XoAg/sqfzHk8+23yYLt9kXLY5GTnnpWTG9n50q3epaTFNBK8aq8EYZR07tkZFAFqO9s4f8AVa/pSZGPlWMep/ve5/OpP7Ug/wChk07/AMc/+KoAWHUNOF4tzca9YSskbRoFkRQAxUn+I/3RV3+3NI/6Ctj/AOBCf40AH9uaR/0FbH/wIT/Gj+3NI/6Ctj/4EJ/jQADW9JZgq6pZEk4AFwnP61foAKKACigAooAKKACigCC5u4bRFaYv87bVCRs5JwTwFBPQGoP7Wtv+ed7/AOAU3/xNAB/a1t/zzvf/AACm/wDiaP7Wtv8Anne/+AU3/wATQAf2tbf8873/AMApv/iap2GpQxLcb4b1d1w7DNlNyCeD92gC5/a1t/zzvf8AwCm/+JqW2v4LuSSOLzQ8YDMskLxkA5wfmAz0P5UAWajnnjtoHmlYrGgyxAJ/Qc0AVf7Wtv8Anne/+AU3/wATR/a1t/zzvf8AwCm/+JoArahqcEmm3UaQ3rO0LqoFlNySD/s1NDqtusMYMV6CFAP+hTf/ABNAD/7Wtv8Anne/+AU3/wATR/a1t/zzvf8AwCm/+JoAP7Wtv+ed7/4BTf8AxNOj1O2klSMC4RnOF822kQE+mWUDNAFyigAooAKKAKN//wAfWm/9fJ/9FSVR1Qa/9pk/s0weUQpUydsHkfjn9PegCMpr/LxvwVO1JNuR8rYzjjOdvtSIPEQa53+WYzbP5PK71k42g9vWgBoj8RNbsWcLMJHwBtwU2Nt79d2zP406RNeaImJykqscBtu0jY2PU53bc0AOth4h+2I0vl/ZiyBlbG4ddx4+mAPRvatGL/kO3f8A17Qf+hS0AXqo6x/yCbj6D+YoAvVjaiNb8+UWRQw/KynjdyQGXn0AJz/tD0oAqxjxHvk8wDHmrsxt+5tGc8/3s5/Slmj8RM0zQyquHfyw23BXIK8f99D8BQAx/wDhKMzCNYeHk2FyORv+T8NoGfr0puPFmSwNrypO0kYBLnAz6Bdo96ANzTTdm0/0xSJdxxkjOO2ccUzUf9bYf9fI/wDQWoAvUUAFFABRQBVvbWS58hopRHJDJ5ikrkH5Sv8A7NUfk6l/z9w/9+v/AK9AB5Oo/wDP3D/36/8Ar0eTqX/P3D/36/8Ar0AHk6l/z9w/9+v/AK9V7RtTuRMTcwjy5mj4i64P1oAseTqX/P3D/wB+v/r061tJ4rua5nnWR5I0jAVNoAUsf/Zv0oAuVFc26XVtJBIWCuMEqcGgCt/Zp/5/7z/v4P8ACj+zT/z/AN5/38H+FAB/Zx/5/wC8/wC/g/wo/s0/8/8Aef8Afwf4UAH9mn/n/vP+/g/wo/s0/wDP/ef9/B/hQAf2cf8An/vP+/g/wpV01RLHI9zcS+W25VkcEA4xnp70AXaKACigAooAKKACigAqhpf3bv8A6+pP50AX6KACigAooAKKACigAooAKKACigAooAKKACigArH8P6ha36X5tZhKIr2VHwDwwPSgDYooAKKACigAooAKKACigAooAKKACigAooA5yT7LaaJLqNzFNMwlZSFkIJJlKjvgDkc9hWV/wkOmSTeRbaXfXEwlMRWOTI4C5bO77o3cn2NAEE3irSYFst+lX5e5YAosmTGCu4FuemKl/tnQrKC1ddNuUa9SWfZGxyCAT83I5bace4+lADtO8RaTqb3aw6bfA28UknzPy2zZuGN3B+cY9cH0qKPxVokquY7G9ba2wYc/M2OAOe+H6/8APM+1AG2Bay6FDqkSSwF1SQB5DlQSOtbUV9aTxiSK5hdD0ZXBBoAf9pg/57R/99ij7TB/z2j/AO+xQAfaICcCaP8A76FS0AFFABRQAUUAFFABRQAUUAZ2mgNpJUqGy8vykZB+dq5+yufFUkV4s2m21u8axm2dIwdwLYdSM9hQBVkvfFytiLRrWTeCDIY8bNrnHBxkFBj2J71LdXPi+20+3EOkWM1w9tmRY0+VJcluckcBQRj+8w7ZoAZHe+LQygaLasJSnmNs24A4cHOMk7hjjore1Nju/GLXCKul2Yt9i/M8O07txyNoPHy55/xoA6jV7eJtFkt2jQxHarJtwCMjtTrTQNJsbZLa20+3jhQYVAgwKAJv7LsP+fOD/vgUf2XYf8+cH/fAoAp6pp1nFp7vHaxKwZCGCAEfMK16ACigAooAKKACigAooAKKAMiGO4l8Ozx2m37Q3nCLfIUG7e2MsASPqBmsuLRfEf2IwSaqofz0fzPNd2KBMMM4Xq2Dgfr0oApDQfGq2qRjXbbzFiVN5Zzlg6tvPHoGXHcHr2qex0TxXBcK91qsUwFzHIf3748sAh127fU5HPYZ6YoAifw74s/fBNeUmRE2sZHHlsJdzADHIKYGc/hirN7pHiibV3mttSijtDGAEad8h9uM4C4xnn8SfQAA2LmOWLQUjmGJVCBv3pk5yP4iAT9SBWrQAUUAUdX/AOQZJ/vJ/wChCr1ABRQAUUAFFABRQAUUAFFAGVaPe2kBhOnyPh3IZZEwQWJHU+9T/bLz/oGTf9/Y/wD4qgA+2Xn/AEDJv+/sf/xVRQapc3AkKaXP8jmM5kj6j/gVAEv2y8/6Bk3/AH9j/wDiqPtl5/0DJv8Av7H/APFUAQXb3t5B5A0+SPcy5ZpEwMHPY1q0AFFAFHV/+QZJ/vJ/6EKvUAFFABRQAUUAFFABRQAUUAFFABVDS/u3f/X1J/OgC/RQAUUAFFAFHV/+QZJ/vJ/6EKvUAFFABRQAUUAFFABRQAUUAUf7YsSSBMTglTiNjyDg9qP7Xsf+erf9+m/woAP7Xsv+erf9+m/wrI0HWH23/wDaEH2Y/bJDFt3vvTPDfdGM+lAGv/a9j/z1b/v03+FH9r2P/PVv+/Tf4UAH9sWOQDMRkgDMbDn8qvUAFFAFHV/+QZJ/vJ/6EKvUAFFABRQAUUAFFABRQAUUAUdI/wCQcv8A10k/9Dar1AHK3EfiwuPIm2/vWJz5W3G5dv8ADnbt3f7We+KoQwfEFmDS3dmm2FvlCoQz4ULnjPXceo/HpQBZso/Gv22A3s0X2f7RH5ixmPPlhZA38Pc+WfXrgiuwoAo6v/yDn/3l/wDQhV6gAooAo6v/AMgyT/eT/wBCFXqACigAooAKKACigAooAKKAM7TU83STHnG55Rn0+dq5Zfh+LSymRtdnCiEIs7p88QVw+Q27pgY+lADG0PRpdNjjfxErAoLYTEqcndv755Krj6DJzUP/AAi9kuy0k8VyefvcdQDu2qsgHP8Ac474LZ60AI+haSmg29mPFUcRhc5uYyAzhlDgH5uuUVs9wpHetQeBoHDSxajKjyBP3yIA5A8zvnv5gz/uD8ADf1JPL0nZnO3YM+vIrRoAKKAKOr/8gyT/AHk/9CFXqACigAooAKKACigAooAKKAKOkf8AIOX/AK6Sf+htVHxNq9jp1mLa/gnmiu0dGWFSTtwAxOOgw3XtQByUD+GL25WJRqLebcfvWZ+GckwEsffeR246Vauf+EXvNYkgaxuhdx3csXmxjafMcAuQR6qjc+ikUAY1wvgmKFZJbDUEE0YRA7EnaSwGAx6YRsE/Tvg+kaPfwX9iGgV1WI+WVcYII9qAHav/AMg5/wDeX/0IVeoAKKAKOr/8gyT/AHk/9CFXqACigAooAKKACigAooAKKAMu1TUbSEwrbwuod2DeZjILE+nvT3N9J/rLG3bgj5pM8HqOlAFd7FpCDJo1g5HTcFOP0pN88WoJAul2okmV5y4Ycldqknjrh8Z+tAEslvPL/rNLs3+XZ8xB+XOcdOmaWCK5tQwt9NtIQ2M+WwXOPoKAC5TULuHyWghRSwJbzM4AOfStSgAooAo6v/yDJP8AeT/0IVeoAKKACigAooAKKACigAooAKKACqE3/IwWf/XrP/6HDQBfooAKKACigCjq/wDyDJP95P8A0IVeoAKKACigAooAKKACigAqKe5gtYjLcTRwxg4LyMFH5mgCr/bukf8AQVsf/AhP8aP7d0j/AKCtj/4EJ/jQAf27pH/QVsf/AAIT/GsW48TaevjKwtlngaA2U7Nci4Ty0O6P5Tz146e/saANr+3dI/6Ctj/4EJ/jR/bukf8AQVsf/AhP8aAD+3dI/wCgrY/+BCf40qa1pUjqianZszHAVZ1JJ/OgC9RQBR1f/kGSf7yf+hCr1ABRQAUUAFFABRQAUUAFUb//AI+9N/6+T/6KkoAvVm67dX9npMs2mWwubsMgSI9wWAP5DJoAxtR1fxPbOqWmjC4IhQlwflMu5dy9c42lucdRT/7U8RDTTPJpyrKZUXaqFmVCmSxUck7sLx069qAKTa94v8zaPDwwQFDbsruJzzyDgAHt1I5qS313xNJPEs+jNArSIHyhbYhznkZyenTpnnFAHY1R1j/kE3H0H8xQBJNqNnbzNDNcRpIiq7KxwQpJAP0JBGfapoZ4riPzIXDrkjI7EcEfWgCrq/8AyDJP95P/AEIVeoAKKACigAooAKKACigAqjf/APH3pv8A18n/ANFSUAUfEGm6vfyWraXqX2Pyt5cYyHOBtB9sjn2JrKutA8TsZmg1sfOE2oxIAIVgecepU++KALEOjeIY9MtYm1cNcpMxldskNESDgcdcqBn0JqtFpPidLQwvrUDur/67cQcGNl6Y6hiG/wCA4oAlfRvEEltbxx6uBIhk8xw5OcuCp6c4UMuPf2p114e11xEYNdlVo7aKLB6O4Yl2PHcYAoAjj0TxNGjhtVErMVG7zCvHlFTj5Tg7yGrYvxPbeGHW4PnTpEocp/EeOmaAK1/ZRanMJbrRr9nAABEkIwASf+enqf0HpVu0eSzjdY9JvjvcyOzSQksx6n/WUAJezXd3atAml3SFmX5neLAwwPOHJrWoAKKACigAooAKKACigAqjf/8AH3pv/Xyf/RUlAF6igArk9R8A2GoG4IuZ4PPZmYRBQMksemOfvd/SgDR0Tw3Bol9e3MNxNIbsJuR8bVKljlQOmd36Vt0AFUdY/wCQTcZ9B/MUAXqKACigAooAKKACigAooAKKACoLm1ju1RZNw2NuUq2CDgj+RNAEH9lxf897n/v8aP7Li/573P8A3+NAB/ZcX/Pe5/7/ABqpqdgsGl3Usdxcq6RsynzTwcUAFhYLMk5e4uTtndB+9PQHirf9lxf897n/AL/GgA/suL/nvc/9/jSNpMDjDyTuvdWlJBoAv0UAFFABRQAUUAFFABRQAUUAFFABRQAVR1n/AJAt5/1xb+VAGfHqUllOYRbeYtxczKr78YcHdgjH90Mc/wCzjuKdZeITd3NrE1p5a3AOH3k4IBOPujng9cD0JoA3KKACigAooAKKACigAooAKKACigAooAKKACqOs/8AIFvP+uLfyoAbpqKyXBZQcXUuMjpzVxYIkIKRIpHcKBQBJRQAUUAFFABRQAUUAFFABRQAUUAFFAGZDe6lcxmSGytPL3sql7pgThiOQIz6etSebq3/AD5WX/gY/wD8aoAPN1b/AJ8rL/wMf/41UN2mq3lnNbG1skEqlSwumOM98eXzQA6OPUbV5lht7WWN5WkDPcMh5OcYCH+dSebq3/PlZf8AgY//AMaoAPN1b/nysv8AwMf/AONUebq3/PlZf+Bj/wDxqgBbS8upb64tbq2hiaKKOQNFMZA24uMcquMbPfrV6gAooAKKACigAooAKKACigAooAo6R/yDl/66Sf8AobVeoAKKACigAooAz4f+RhvP+vWD/wBDmrQoAKKACigAooAKKACigDNcXVzqNxFHeSQRxIhARFOSc5zuB9Kf9ivP+gtcf9+o/wD4mgDMuNTt7WW6jm8Qyq9qjPMPKj+VVXcT930qK31q0ur4WcHiCd7gnG0Qpwdu7n5PTmgCC21nTYYNkPiOYqH/AOeUZOXYkfwdzn8qkXxDp5K58SSpuZUG+GMcsCQPu9wpoA1bWOa9tYrm31id4ZVDIwij5B/4DSXsd7Z2U1yupzOYkLhWjjwcdjhc0Aa1FABRQBnw/wDIw3n/AF6wf+hzVoUAFFABRQAUUAFFABRQBRt/+Qvff7kX/s1YV142jtrueD+z52MTyKecZ2A/zxx65FAHPSa1od9d3Msvhi4815Rb3DZKsd6nfuweVGCD2q7DrumWrvf2mgyhlkCmVmIZsusYbnsQwOfQUAN1DVNF06W4sm0CeVfNKnyyT5jqAy5OehLY5/Gm3Oo+Hm0+Ge50CV0nkcPGcsE8sbVJ7clgB9fagDTi8YRQTw2NnpUzRb5IkZGG1doUgk9gS2BW1dXLXnhaS6aIxGa18zYTkrlc4oAtSapZxSNG0p3KcHCMcH8BTf7Xsv8Anq//AH6f/CgA/tey/wCer/8Afp/8KP7Xsv8Anq//AH6f/CgClFqloNcu5C8mxraFQ3lPgkNLkdPcfnV3+17L/nq//fp/8KAD+17L/nq//fp/8KP7Xsv+er/9+n/woARtZsFUs0zBQMkmNsD9Kvg5GR3oAKKACigAooAo2/8AyF77/ci/9mrFfUdf2zSJpMblGBVTHguOc4O7rgD86AJkvda8iKQ6ZG7u/wA67dpAIwB1PRiMn0DcVAuo+IDaI0mmR+aw+ZBCTjGP9rvzj8PrQA+41LXU87y9IBILGPCbtwwcZ+YYPA/P2qzdz6vFt8i2hdGVQR5JyG2kn+LpkKPbNAEN5fa1BeMlrpUcsPI3Bcc7cg5zyM+1WJZbubwzdtexLHMI3BVVwMDoRyaALumfcuf+vmT/ANCqtr8+rW9vbvpECzyeaBIhHVMHoT05waAMeC78YtLbrcWtvGiugnZFB3AjnHJxgqfqGHpTtUn8YQPL/Z8dtOhkfb5i4Kruj24x1ODJ19KAE1O78Xx3toLC2gktHij89mX50f5t+Oen3e3H48EVz4yc3iPb2qbU/wBHkx95twXkZ9AzfRgO1ADPtfjVLueM2dq0G+Xy5ABnbyI+/wCJ/wDr8T6LdeLJtWjGr2sENm0bEiIZIYBQOc9zuP4gdqAN7Vv+QNff9e8n/oJq1H/q1+goAdRQAUUAFFAFCS0uhey3FvcRIJVUMskRbpn0YetL5Wp/8/dr/wCA5/8AiqADytT/AOfu2/8AAc//ABdHlan/AM/dr/4Dn/4qgA8rU/8An7tv/Ac//FUeVqf/AD923/gOf/iqADytT/5+7b/wHP8A8VUVxZahdW8kEl5biORSrbYDnB/4FQA5LK9heXyLyFY5JGk2vbliMnPXcKf5Op/8/wBbf+Ap/wDi6ADyNT/5/rb/AMBT/wDF0eRqf/P9bf8AgKf/AIugA8jU/wDn+tv/AAFP/wAXR5Gp/wDP9bf+Ap/+LoAPJ1P/AJ/rb/wFP/xdHkan/wA/1t/4Cn/4ugCK5stSubWa3a/twsqMhItTxkY/v1pKNqgegxQAtFABRQB//9kA/+Ex6Gh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRvclRvb2w+V2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NDwveG1wOkNyZWF0b3JUb29sPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDE5OjE4OjAzLjY5MTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMAAwICAwICAwMDAwQDAwQFCAUFBAQFCgcHBggMCgwMCwoLCw0OEhANDhEOCwsQFhARExQVFRUMDxcYFhQYEhQVFP/bAEMBAwQEBQQFCQUFCRQNCw0UFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFP/AABEIAkQBkwMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/AP1TooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuJ+J3xQX4bR+HEj8Oax4q1LxBqZ0qw03RWtVmeUWtxdMxa5nhjVRFaynJfOcAA5rtq8p+Mn/JRfgT/wBjnc/+o9rNAC/8Lk8Xf9EJ+IH/AIHeHv8A5a0f8Lk8Xf8ARCfiB/4HeHv/AJa16rRQB5V/wuTxd/0Qn4gf+B3h7/5a0f8AC5PF3/RCfiB/4HeHv/lrXqtFAHlX/C5PF3/RCfiB/wCB3h7/AOWtH/C5PF3/AEQn4gf+B3h7/wCWtHxG/aO8NfDfxjB4UfTfEPiXxC1l/adxp/hnSJdQls7PeUE8wQfKpZWAAyzbThTVvSv2g/B2s/HDV/hPbXVwfF2l2Iv50aAiAriJmjWTo0ircQsU6hZFNAFT/hcni7/ohPxA/wDA7w9/8taP+FyeLv8AohPxA/8AA7w9/wDLWsvQf2vfhv4h0f4malBqN1Db/DyWaLXBcWrI48t5U3wj/lqrPBKi7eSyEYzWf4R/bK8G+P8AV9C07w3onivWp9WsINT3WmkFls7eW4lt1e4O793h4JM9cBc0AdJ/wuTxd/0Qn4gf+B3h7/5a0f8AC5PF3/RCfiB/4HeHv/lrWZ4N/a08DeNviFF4Ptotasb+5v8AUdLsby/014rO+ubEt9qiim5UsgR2+bGQpx6Vv/A39oLwf+0P4f1PWPB1zcXFpp981hMLuAwvuCJIrhTyY3SRGVujA0AU/wDhcni7/ohPxA/8DvD3/wAtaP8Ahcni7/ohPxA/8DvD3/y1r1WigDyr/hcni7/ohPxA/wDA7w9/8taP+FyeLv8AohPxA/8AA7w9/wDLWvVaKAOT+GPxDt/ih4Rj1630vUNE/wBNvdPm0/VPJ+0W9xaXc1rOjmGSSM4lgfBR2BGDnmusryn9mn/kner/APY5+LP/AFIdRr1agAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACvKfjJ/yUX4E/wDY53P/AKj2s16tXE/E74Xr8SY/Djx+I9Y8K6l4f1M6rYaloq2rTJKbW4tWUrcwTRspiupRgpnOCCMUAdtRXlX/AApvxd/0Xb4gf+APh7/5VUf8Kb8Xf9F2+IH/AIA+Hv8A5VUAeq0h6V5X/wAKb8Xf9F2+IH/gD4e/+VVH/Cm/F3/RdviB/wCAPh7/AOVVAHJeLvhX8SfC/wAe9b+Ivw4PhfUovEujWml6pp/ia5uLY20ts8piuIXhik3rtmYNGdmSAQ3PHnnhf9kH4i6D488K/EWbxvZXXiuHxjfa/q+kbEGnC0vcw3McE4txcO4tktlVZDs3QD7uAw9w/wCFN+Lv+i7fED/wB8Pf/Kqk/wCFN+Lv+i7fED/wB8Pf/KqgD5+tP2FvE/8Awnfh7VZtd0qHRp/EOp3viuwheVv7U086w2q6bCoMYBdJjtkBIG2RwC3el8J/2L/Hvww+IHgvXrmw8H+Jo9J0Wz02WSXX7+yktJYtQu7lpoUjtSs42XCYWUqCykHA5PrPj7wf478K+Kvhrplp8cPHElv4l8QTaVdtNp+gFo4l0rULwNGRpYAbzLSMZII2s4xkgjtf+FNeLv8Aou3xA/8AAHw9/wDKqgD5l1L9hX4haLcalr/g7XtBt/FmrX/iiK6k1S9upba2stUeRoLi1UxMILqIFQ3lqgcMwLMOT7H+z9+zLr/7P/xT1e9tPFS+IvBeq+HrDT5Yr6GG3vILqy/c2uyOCFIzELY7CxO/MaZ3Dle3/wCFNeLv+i6/ED/wB8Pf/Kqj/hTXi7/ou3xA/wDAHw9/8qqAPVqK8q/4U34u/wCi7fED/wAAfD3/AMqqP+FN+Lv+i7fED/wB8Pf/ACqoA9Voryr/AIU34u/6Lt8QP/AHw9/8qqP+FN+Lv+i7fED/AMAfD3/yqoAT9mn/AJJ3q/8A2Ofiz/1IdRr1auT+GPw9t/hf4Rj0G31TUNb/ANNvdQm1DVPJ+0XFxd3c11O7iGOOMZlnfARFAGBjiusoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA8Z/aD1O50fxZ8FL200m8125g8YXLR6dp7wrPcH/AIR7WflQzSRxg/77qOOtaP8AwuTxd/0Qn4gf+B3h7/5a0nxjH/FxfgT/ANjnc/8AqPazXq1AHlX/AAuTxd/0Qn4gf+B3h7/5a0f8Lk8Xf9EJ+IH/AIHeHv8A5a16rRQB5V/wuTxd/wBEJ+IH/gd4e/8AlrR/wuTxd/0Qn4gf+B3h7/5a16rRQB5V/wALk8Xf9EJ+IH/gd4e/+WtH/C5PF3/RCfiB/wCB3h7/AOWteq0UAeVf8Lk8Xf8ARCfiB/4HeHv/AJa0f8Lk8Xf9EJ+IH/gd4e/+Wteq0UAeVf8AC5PF3/RCfiB/4HeHv/lrR/wuTxd/0Qn4gf8Agd4e/wDlrXqtFAHlX/C5PF3/AEQn4gf+B3h7/wCWtH/C5PF3/RCfiB/4HeHv/lrXqtFAHlX/AAuTxd/0Qn4gf+B3h7/5a0f8Lk8Xf9EJ+IH/AIHeHv8A5a16rRQB5V/wuTxd/wBEJ+IH/gd4e/8AlrR/wuTxd/0Qn4gf+B3h7/5a16rRQBy3w1+IFt8TPCceuWunX2kf6XeWE9hqXlfaLe4tbqW1njfypJIyRLBIAUdlIAIJBrqa8p/ZpH/Fu9X/AOxz8Wf+pDqNerUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB5r44+LGr+HvHlp4T0DwZdeKtRl01tUkaG/gtUiiEoiwTKwySx7VU/4WV8SP8Aoj17/wCFBYf/ABdI3/J00f8A2Jjf+ly16tQB5V/wsr4kf9Eevf8AwoLD/wCLo/4WV8SP+iPXv/hQWH/xdVLP9qrwFf8AwHf4uRXN8fCaqDsNowuyxcIieT13MWQjsVdWztOat+IP2kPC/h6bU3ez1q+0nRkifWtasbBpbPSg8STDz3zu+WKRJH8tX2IwZ9oNAB/wsr4kf9Eevf8AwoLD/wCLo/4WV8SP+iPXv/hQWH/xdXofjZbTfEg+C18LeIzqIQT/AGv7PD9l+zmQxi4D+bnyywP8OfasyH9pTw5qek6HfaJpPiDxKdU0O18Rm10jTzNNaWFwpaGWZSwwW2uBGpZ28t9qnFAEv/CyviR/0R69/wDCgsP/AIuj/hZXxI/6I9e/+FBYf/F1Z039orwNrPjDT/Dljqb3V7qXhyLxVYzJC3kXVjIZAhjcjBkIikby/vbVJxhWxa1j42aNpfhXwXrlvYaprEfjCSKLSLPT7dWuJmks5bwZVmULiGCVjk/w46kUAZn/AAsr4kf9Eevf/CgsP/i6P+FlfEj/AKI9e/8AhQWH/wAXSL+0d4evp9GtNG0nXtf1PUo7+T+zbKyCXNp9ilgiuluEmeMxsj3UI2nk7wRlcE34fjVBN8SD4K/4RTxImphBObhraEWwtzIYxPv87Ozcp7bvagDz3x5q3xR8U+Kfhxqdv8JLqOLw3r8uq3Cv4gscyRtpd/aBV+frvu0P0U12n/CyviR/0R69/wDCgsP/AIuk0H9orw/rXw6XxzNpOu6T4ant7O5sLm+s136kt0VFslvFG7u7yM8ahCoJMij1xBq37Rlvof8AZ4vvAXjS2lvrxdOhjk06FSbllLLGCZsNlRncpK9QSGBAALH/AAsr4kf9Eevf/CgsP/i6P+FlfEj/AKI9e/8AhQWH/wAXS3n7ROgQ65d6Ba6Trmq+J7W5NtJoNjZq90pWztLuRzlxGqIl/bKWZwN77RuOMus/2lPA97q/gfTVvbqK68YPfQ6etxaPF5U9nIkVxBcbgDDKsriLa3V/lHJGQBn/AAsr4kf9Eevf/Cgsf/i6pXnxt8V+H77RF8RfDG+0bTtT1S10r7d/bFpOIpJ5VjQlEbcRuYZxXo/hDxdp/jjRBqumGRrRrm5tQZU2tvgnkgk49N8TY9sVwn7Q/wDyA/Bn/Y56F/6XRUAerUUUUAFFFFABXj+n/tA6pr0mpSaB8IvHHiDTbLU77ShqVpcaJFDPLaXUtrMyLPqMcm3zYZACyKSADjmvX68q/Zp/5J3q/wD2Ofiz/wBSHUaAF/4XJ4u/6IT8QP8AwO8Pf/LWj/hcni7/AKIT8QP/AAO8Pf8Ay1r1WigDyr/hcni7/ohPxA/8DvD3/wAtaP8Ahcni7/ohPxA/8DvD3/y1rtZPG+mw+OI/Ccpli1WXTX1WLemI5YElWKQq3co0kW4dhKnrXCH9pvwi+gtqtvBqt5EbHRtQghhtR5tzFqt7JZ2HlgsATJLEepGFZSTzwATf8Lk8Xf8ARCfiB/4HeHv/AJa0f8Lk8Xf9EJ+IH/gd4e/+WtNn/aP8OxR2sEek69Pr0+rjRD4dFkI9QiuTaTXYDI7quwwQSuJAxVtuASQQL+v/ABy07Q72HTk8PeI9W1kadHqt7pel2AuLjTraQsqNOA+3czRygRozuxjfapAzQB558IfGHjzwD4Tv9M1D4H+OJrifxBrmqq1rqGgMoivNVuryJTu1QHcI7hAwxgMGAJGCe2/4XJ4u/wCiE/ED/wADvD3/AMta1tY+NXh7T/D/AIU1bTUvPE0fioK2iW+jRCSW9QwNcb13lFVREjMSxHYdSBVLT/jlbaj4+j8Ir4R8UQai8K3Rmns4khS3aQxiZiZdwXcDxt3DHK0AVv8Ahcni7/ohPxA/8DvD3/y1o/4XJ4u/6IT8QP8AwO8Pf/LWqGg/tVeDdc8G6r4me11rTNPsfDR8Xhb+x2SXWleW0n2iEKzBuF+7kMCVyBkVq+Jf2gND8DeEYfEXivSdb8M2k2oJp0cN/bRtMzMhkaXbFI4ESRpLI7E/KkUhxgUAQ/8AC5PF3/RCfiB/4HeHv/lrR/wuTxd/0Qn4gf8Agd4e/wDlrXQSfF7w7D8XU+G0ks8fiaTR11tFaEiB4GlljCiTp5mYZTs67UY9AcY3h39orwf4p8RNounTXk10PEk3hUSG3KxNexWc93JtY9YxHbTDeOCy4HBBoAg/4XJ4u/6IT8QP/A7w9/8ALWj/AIXJ4u/6IT8QP/A7w9/8tam+Hv7Rngv4neHfCGt6FdXMll4nuJrayFxbmKSOSKCSd1mVuY/3cZYZ6hkIyGBrQ8D/ABm034hXlqdH0XXpNEvUaSx8QS2BSwvEAyHjfO8IwGVd0VXGCpbcuQDJ/wCFyeLv+iE/ED/wO8Pf/LWj/hcni7/ohPxA/wDA7w9/8ta9VooA8U8WftG614H8K6z4k1v4J/ECy0XR7KbUL66+1aBJ5MESNJI+1NULNhVJwoJOOATXtWa8r/aw/wCTWfjJ/wBiZrP/AKQzV6pt/CgBaKKKACiiigAooooAKKKKACiiigAooooA8qb/AJOmj/7Exv8A0uWvVK8qY/8AGU0X/YmN/wCly16tQB8g6P8Asb+KdP8ABth4cfWdI/smPwTBaT2CtLsfxLFpJ0sXe7y+bfyCvBXdviR9uRx2WpfBfx/YeHfH3g7RG8OzeHvGwY3Gr317Ml3pTTWUVrc7LcQMtzgRF4y0sXL7WGFyfovFJt96AOC0v4eXOk/FhfEUMkP9jxeGodEjhZmM/mRzvJkjbjbtYDOc57d68t+GXwb+JHwQ0TQYvDsXhjxBet4P0Xw9qcepalcWsVteWEDxefCyW0hmicSH5GEbfIDn5yF+kNtG2gD5gk/ZI1TT9Bls9K1uzXVtL8LaDp2gatMrK6anp8mptLJKgB2wTpf+UyqWOySYYGFJ7DUPhT4u0nwH8EbTQ49E1PXPANxbzXdvqGoTWdtchNGvLBxHMlvKwO+6VxmPlVOcGvb8UYoA+W7z9m3xavjjSfGUuneG/E2qzSa1earptxrd5pdvb3F4+mCD7PLFbStKscWm7GLqm9n34Gdo9sg8F6gvxkl8XySWq6fJ4ej0ryVdjKJluXlJ+6AUwwGc5z2ruNtG33oA+Wvh/wDs2+L/AAz8DdA8Ivp3hvSPEXhk6JeWeo2uuXl/b6nd2DIW8+OS2jNvHIEYfu9+3zM4OwBvUda8KeNPH1n4Tn16x0LQ77R/Etvqr2un6lNeRm1jidSBK1vEWlLOfl2BQMfMTXqdLigD58/4U3448H/HTxb8TPDaaDrUut3ckf8AZGp6hNZj7K+n6VCJPOS3l2SrNp0uU2MrJKp3KV21Sj/ZYv8AWvsP9v6naLNcaf4jlv7rTi4ks9U1HU7C/t5rQMvK2z2Z2u+GLRxtt+Zgv0hijbQB578A/BOv/D34W6Vonii50+88Qx3F5c3s+l7/ALM8k93NOfL3gMB+9HBHGMc9azf2iP8AkBeDP+xz0L/0uir1TbXlX7Q5/wCJF4M/7HPQv/S6KgD1aiiigAooooAK8q/Zp/5J1q//AGOfiz/1IdRr1WvnT4S/FvS/hroGvaBr+g+OINSh8W+JLki08C63eQvFPrd7PDIk0Fo8civFLG4ZWIwwoA+i6K8q/wCGlvCP/QI+IH/huPEP/wAg0f8ADS3hH/oEfED/AMNx4h/+QaAKv7RHwk174naXo0nhXU7XRdetJLizlvblnX/iXXcDQXaoVUnzAGjmQEYMlvGCQMmsD4j/AAG17UtZ1u+8LJo0VubPwbDpmn3lzLbxg6NrVxfyxu6RSGNGiljRGVXO4NlQACeo/wCGlPCP/QI+IH/huPEP/wAg0f8ADSnhH/oEfED/AMNx4h/+QaAPNvG/7PPjPxv4ks/Gep2Phu+1w69a3tz4eGtXdtZpY2+m6jaRRrepbGR5fN1BpS3koCo2fw5bs18FfELwj4tvfEfhbSvDN1LrmjWFhfabqes3McenXFqJgjxTLas1xGVmwVZImzHnPznbrf8ADSnhHj/iT/ED/wANx4h/+QaP+GlPCP8A0CPiB/4bjxD/APINAGBrnwMu7H4IeD/ANjouj+MzolrFD9s1bVJ9ImguI4tq3dtNbwyvFJuL/cKlVYgN2PReAPhn4i8O+MdF1rXNah125tfB9noF7ftuWe8vYpC8twVxgK5JP3s5JGO9M/4aU8I/9Aj4gf8AhuPEP/yDSf8ADSnhH/oEfED/AMNx4h/+QaAPIfDP7Huu+D/gzrng7Tb3S2vfEPwvXwlqM93eXEyxatHatBHLC7ozrav58pZBtC+WhSLLvXRXH7OPiDx7d2lhr7WngLwvY2V9Cth4Y1j+2Jbya8jWGV5W1Cw2oogEkYCqT++f5gOD3v8Aw0p4R/6BHxA/8Nx4h/8AkGj/AIaU8I/9Aj4gf+G48Q//ACDQB5hqH7OXxKurOLWoPEWixfEHStC0Cw0nWpmmkja8sZtUS4mmXywds9rqO0gZw7v2VS3QeFf2ab3wX408N3Ol3Vn/AGBoviS21SNJpXNy9tF4cuNLO75MNM00yucnBXcxO75T1/8Aw0p4R/6BHxA/8Nx4h/8AkGj/AIaU8I/9Aj4gf+G58Rf/ACDQB5d4L/ZH1rwvffC0HVdPTStL8Ow6b4qsrd5P9IvodIfTkurRigyWSTY5cKSkEBxkEV0fw3+EPxB8O+LfAP8Aa1xpkWkeErBtMl1DTddvSdZt0t2ht/M05ohBC4JWRiJH+ZRg4Py9d/w0p4R/6BHxA/8ADceIf/kGkH7SnhEf8wj4gf8AhuPEP/yDQB6vRXlX/DS3hH/oEfED/wANx4h/+QaP+GlvCP8A0CPiB/4bjxD/APINAB+1j/yaz8ZP+xM1n/0hmr1Wvmr9oT426L44+AXxL8N6J4e+IF7rWseGdT0+xtv+Fea/H508trJHGm57IKuWYDLEAZ5IFfSmaAFooooAKKKKACiiigAooooAKKKKACkpaKAPP/HHwZsPG3iq08RDXvEHh/VreybT/O0O+Fv5kJcPtYFWz8wzWV/woN/+ik/ED/wdL/8AGq9VooA8q/4UG/8A0Un4gf8Ag6X/AONUf8KDf/opPxA/8HS//Gq9VooA8q/4UG//AEUn4gf+Dpf/AI1R/wAKDf8A6KT8QP8AwdL/APGq9VooA8q/4UG//RSfiB/4Ol/+NUf8KDf/AKKT8QP/AAdL/wDGq9VooA8q/wCFBv8A9FJ+IH/g6X/41R/woN/+ik/ED/wdL/8AGq9VooA+bPi18NtV8Gv4KGnfEvx2P7W8S2el3PmasjZhkWQuB+74PyDmu+/4UG//AEUn4gf+Dpf/AI1UP7Qn+s+GP/Y7ad/6DNXrdAHlX/Cg3/6KT8QP/B0v/wAao/4UG/8A0Un4gf8Ag6X/AONV6rRQB5V/woN/+ilfED/wdL/8api/s72M+paTdal4z8Za3Fpt9BqMNnqWqiSAzQuHjLKIxkBlBxmvWKKACiiigAooooAKTFLRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABSbe9LRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHkn7Qn+s+GP8A2O2nf+gzV63Xkn7Qn+s+GP8A2O2nf+gzV63QAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUm7mgBaKKKACiiigAooooA8k/aE/1nwx/7HbTv/QZq9br4/8A27P2qvCXwH8RfDTS/E+n65uGt22vJdWdokkEsMBkSWNWLgmRS8Z246OvPNfWGgav/b+h6dqYtLqwF5bx3H2S9QJPDvUNskUEgOM4IycEGgDQooooAKKKKACiiigAoopN1AC0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFACV5z8aPGPiPwrD4Rs/CzaXFquv67HpIuNYt5biCFDb3ExbZHJGzH9wAPmH3j1r0evKfjh/yMXwi/wCxzi/9N99QAv8AZXxv/wCho+H/AP4Td9/8n0n9l/G//oaPh/8A+E3ff/J9eq14PoPxk8ffEb4xeKtE8G6D4eXwX4P1i30XV77WbydL26maOOW4NskaFV8qOVcb/vsMZUHIAOj/ALL+N/8A0NHw/wD/AAm77/5PpP7M+N//AENHw/8A/Cbvv/k+uE+Bv7V158VviJ4z0S+0O307SobOfWPCd9DKzHWNPgvJ7OaZwfunzYY2AH8EyHuM+P8Aw/8A27/iP8RvCGqaho2h+Bb68sPB7eNLmS11C5mhsYUMgewuVVSY7ttodAWwVV8gcGgD6c/sv43/APQ0fD//AMJu+/8Ak+j+y/jfjnxR8Px/3Ld9/wDJ9cR8Lfj/AONte8XfCvRPFWk+H4D438PX3iJZNHknP2eGJLNoYz5mPmP2mQN1HyrjvXg9x/wUj8Vx3tvHD4a8NTXTQGWDQZLu4TUNYlOtXmnLb2QVWBl2WqPhgRlj0FAHtHxh/Zs8e/HV/CbeLNY8A3reGdYh1qx2+HL0fvYwf3b5vjuibjcnfavpXo39l/G7/oafh/8A+E3ff/J9cN4V/aS17xV+1J4q+Ganw3Y6ZoV9HaiC4F02pXiGxjuWkjKr5IwzkYYg4U98VN8QP2przwb+0l4f8CQ6Lb3XhF7ix0vXNeaVhJY6jfpctYwKvQhvs6Bien2iP1wQDtP7L+N//Q0fD/8A8Ju+/wDk+j+y/jf/ANDR8P8A/wAJu+/+T68L+J37eWp/DTx98YvDd74Zs0g8MWE8nhvUJZn2aneW1jb3dxazAfdby7lXXGMrG/cVq+F/2t/GzXmn69r/AIY0L/hAdS8dT+Bo5tPvJhqNpMLyS1gnkjdSkkbOgDbWUrvBAOCKAPX/AOy/jd/0NHw//wDCbvv/AJPo/sv43/8AQ0fD/wD8Ju+/+T65D9pL9ozWfgx448FaHaw6Do+la8k5l8TeLHuItNSdGjEdmZYUYRSSB2YPJhQEPDHisuD9qnXNX/aE1/4f6ZoNg2iNHqGleH9cmmbF9rtnawXE9tIBgCMLOw3DnMEnpwAeh/2X8b/+ho+H/wD4Td9/8n0f2X8b/wDoaPh//wCE3ff/ACfXimqftyandfC/w94m8P8Ah2yu9QbwLq3jDXrK6kdV097ICAW4xz8155kfPO2B+M9Paf2b/ihqvxe8BN4g1S88P3pknEcbeHluVjj/AHaMUfz1DbwX7cYxzQBzvxH8S/Gf4Z+CdV8T3eteBNSttNjWaW0h0G9ieVd6gqrm9YKcHqVP0r3nFeVftT/8m++Nv+vIf+jEr1XNAC0UUUAFFFFABRRRQAUUUUAFFJu5xS0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFeU/HD/kYfhF/wBjnF/6b76vVq8p+OH/ACMPwi/7HOL/ANN99QB6tXiXiD9lvTtS8deIfE+heOPGPgiXxE8U2saf4dvYI7W9mjjEazFZYJGR9qoG8tlDhRuB5z7ZXif7X3i7WfBPwdh1TQdRuNKvz4h0O2NxbttfypdTto5Uz6Mjsp9jQBQ8EfsT/C/4a654P1fwppk3h7UfDunz6a9xYGJH1aGWAQt9tOzMpyqyAjb84z0JB67wp+z74Y8G/AlvhPpzXieHn0eXRJLsmIXkkUkTRtIzrGFMmGJ3bMZ7dq+JrH9o74n+FfFkOka94kv7vR/GfxLS28O6kAM2q2viP7He6YxA+49t5TqD280V9A/HXw7rk37Ufwo0mx+IXjHQ9I8XDVTqGnaXqYigT7HaRPF5SlDt3MSW65yelAHoPif9mXRtc0z4fx6X4m8SeFdY8D2DaXpOuaPPALs2zQxxSRyiWGSJw6wxk/u+GUFdtcon7Bvw3h8MatoUNzrsVrqGiWujGb7YhnhaC8mvUvI5DGSLk3E7yFzlc4woGQfCNB+IvxBk+Fv7RnjObxF4kW50SPxVFpN9Jr0ElnC1vcypCsVkF8yNo1UYkJx8p9RXI+NP2kvilH8OYvAtr4o1Kz8Z/D6+a98T66qhZr6we6tY9MDNtx+/iv1dscn7K/PNAH214b/Z5h8J/FTW/HGmeOfFUEmuXUN7quiF7JtPvJo7VLZWcG181fljViElUbhxgcVy3jD9h34ZeOrjxbqWrW19P4q8Q6qur/8ACVB4v7T06VPK8lLWUxkRxxiBFVSrcbsk5ryX9mXxJ8W/HHxwu9UGpeJ7zwZZ+JvE1hr82sz2zaU0EVxJHYQ2KZMyyo6jccKu1SMnIrn/AB5+1B42+CH7Q3xY1fUtSvdd8Ftdy+GtG0Nl3RWusDSbO8sETAyPPZrlCM9SpoA+gPit+xX4A+M3h3xrpHiCfWNnirWoNfmurWeJJ7K6itYrUG3JiIVWhi2sHD58x+mRhPDP7GfhTw74mtdTm8SeKta0uy8Q3Himy8N6heQf2ba6lLK8vnqkUCSOUeRigkdwvHU818i+EfHPxevPGXhfwLrPjXxR4jv7TVvFFlqMuma5b6VNcNaPYIr+dIm0ojSykJjOH46V2/jT9p3xp8C/j98U9U1LVtQ8Q+C/tEnhnRtGlHmR2+rrpNnd2CqQM/6Q7XSN6kqaAPq342/AG0+O1idL1fxZ4k0rw9cwfZdT0PSZrdbXUYt4fbJ5kLuhyMbomRscZ6Y4zw/+wr8LvC83hrUdNtLy18UaHrn9vr4pRoRqd7MZZJZI7iXysPE/msjIFX5QoBBUGvn7wf8AEb4j2/g3wn4C8W/EjVLW51L4n6l4V1rxlHLFHcpFbWzSLbwysu2IzTJtVgMgEgVmeNPil8QtL1y78DaB4u8W+NtB034lQaJY6no+o28Wrahbvo0l1PYi6YJG7QzYG5jnjBJ4FAH1Bp/7GHgPS7X4t29vc60I/iXDPbaluuYz9ghlad3jswY8RKZLmaTDBxub0GK9K+F/w9ufhroB0mfxdr/i+NWUQT+IDaGWBFQKI0+zwQjaAufmBOSea+GPh947+MvijTPg5pkXxEuNWtvi7aG3udWWUJdaFJp1zJNciL92gEz2Q+zyELjz4WfuDX6LhcUAeVftVbv+Ge/G+whW+xDBIyAfMTtXy/pvgv8AbHh/a60/UPEHiTQ7vwibW8FjPaW00mgwZQ7VmtI5Y5RLjhXkZsEkB2r6i/am/wCTffGv/XkP/RiV6oFxQB4//ZXx+/6Gj4b/APhN6h/8n0f2V8fv+ho+G/8A4Teof/J9ewUUAeP/ANlfH7/oaPhv/wCE3qH/AMn0f2V8fv8AoaPhv/4Teof/ACfXsFFAHj/9lfH7/oaPhv8A+E3qH/yfR/ZXx+/6Gj4b/wDhN6h/8n17BRQB4/8A2V8fv+ho+G//AITeof8AyfQdK+P2D/xVHw3/APCb1D/5Pr2CigDifgh41vviV8GfAXi7U4reDUdf0Cw1W5htFZYUknt0lZUDFiFBcgZJOMZJrt68p/ZP/wCTWfg3/wBiZo3/AKQw16tQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV5T8cP+Rh+EX/Y5xf8Apvvq9Wryn44f8jD8Iv8Asc4v/TffUAerVm654e0rxRYiy1nTLPVrMSxz/Z76BZo/MjcPG+1gRuV1VgeoKgjkVo18P/tZeJ/ANz+1J8MvD48VL4S8d2V/Y6xqWvX2uTWsFrpsUjbbKGEyCOSa5clSoQ/LkvxtFAH13N8NPCFxa2VtL4U0SW3stSOs2sL6dCUt74u0hu0BXCzF3dvMHzZZjnJNad54e0rUtW03VLvTbO61TTfM+w3s0CvNa+YoWTynI3JuAAbaRkAA18a/sy6npfh79qzxLoWl3uiePrrV11rUrzxJoeqXc9xo6NqAkSzvoHdoY2+YRrtCt+4PGCSfPfi94d17UPGP7XfiuGys57Xw/ZXMUOsS63eQ3+ns3h+PC29simF1Jfks6kbmIBIGQD7ij+Avwyg1PWNSj+HXhOPUdYimh1K8TQ7YTXscxzMkzhMyLIfvBid3fNa138M/CF++ptc+FNEuG1RLeK/M2nQsbtIDm3WXK/OIzygbIXtivz38KeNPEvwi+HPxs8Lx/atN8c67F4f0nw14V02/nvYVbULcxLf2ctw6kySFpnkXEao1qMnndWBqqeK/EngjRPgbY3Xijwn4l8OfEC4XRF1e7C6jHZ3Glahe6WbiSOR1fbMjKcOwxEOnQAH6d6L4d0rw3bzW+kaZZ6XBNcS3csVjAkKvNIxeSRgoGXdyWZjySSTzWdefDnwnqVxNPd+F9Gup5tQh1WWSbT4nZ7yJVWK5YlcmVFRAsh+ZQoAIwK/L74mfFrxX8ZYZvi7JPq3h6y1rwb4m0nTtJWeSJYFsdIRriXaDjcb2e6UNjOIE54ruNevPCEn7M3hu/wBM+IHw6tm0/Wm1C90RPEF8+k6+6WIBs7ifzPMjucMJFQEqWVflOCQAfeHiL4C/DLxewOvfDrwnrZFxNd/8TDQ7W4xPMVM0vzxn53KJubq20ZzgVrTfDPwfcMxl8KaJIWvodTYvp0JzdwqqQ3B+X/WxqiKr/eUKoBAFfJn7QWoXvj74Q/sxrp3hK8jTXdbst3hDU9ans3MZ0q5YW890AZPlwDvZSxKgkZJry3wr4Xuvhf8AtN+BvBvxV8Z+HdT1PTfDOklJfEmvXkbPM+qXrLHYncv2iSNDFEDKPmEaZHOKAP0D1X4X+Ddd0LUtF1Hwnol/o2p3LX19p9zp0MkF1cMQWmkjK4eQkAlyCSRnNGk/C7wboGm6Np2meEtD06w0a4N3plra6dDHFZTlWUywqq4jch3BZcHDtzya+B/2d5Na0z9qbw/rOq3M2kaNrPjDxnp8WpQalcznWLiOeXyrG7hciKFUUPJEy7yzQ7flruv2mvEFl4R/av8ADurf2rp/jO9uv7N0mLwUdSurXWNHkaV2GoWUcTbJoiH3TB1wVi2lsZAAPsLTvhz4T0m5sbix8L6PZT2FxcXlpLb2EUb289xn7RLGQuUeXc29hgtk5zXSbq/Kv4SeJkH7FN3faN4h0yTVJDoQ8XXPhPV7y61y10hrrF7JcoWYwyeXuyYgPl8zPSvv79nFvhf/AMIXfD4SanFqvhcag3mS2uoT3sCXHlRb1jeV2wNvlkqh2hmYn5i1ADv2pv8Ak33xr/15D/0Yleq15V+1N/yb741/68h/6MSvVaACiiigAooooAKKKKACiiigDyn9k/8A5NZ+Df8A2Jmjf+kMNerV5T+yf/yaz8G/+xM0b/0hhr1agAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAryn44f8jD8Iv8Asc4v/TffV6tXlPxw/wCRh+EX/Y5xf+m++oA9WpNtLRQAxYkRmKqFLHLEDqcYyfyH5Uu0elOooAbt796No/GnUUAN2ikaJXUBgGGc/MM9DkU7PSloAbt6Uu2looAbtpDEpcPgbgMBsc4Pan0UAJikWNUACgKB2Ap1FAHlX7U3/JvvjX/ryH/oxK9Vryn9qZv+MfvGw6f6GOv/AF0SvVd1AC0UUUAFFFFABRRRQAUUUUAeU/sn/wDJrPwb/wCxM0b/ANIYa9Wryn9k/wD5NZ+Df/YmaN/6Qw16tQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxvxM+GcHxMsNIhk1rVPD93pOopqdnqGjmATxTLFJF0mikQgrM4wV7jGK7KigDyr/AIUp4i/6LT8QP++NH/8AldR/wpTxF/0Wn4gf98aP/wDK6vVaKAPKv+FKeIv+i0/ED/vjR/8A5XUf8KU8Rf8ARafiB/3xo/8A8rq9VooA8q/4Up4i/wCi0/ED/vjR/wD5XUf8KU8Rf9Fp+IH/AHxo/wD8rq9VooA+cPir4L8Y+CF8IGw+MvjiT+1/EVlpM/2iLSG2wylgxXFgMN8owTkdeK7r/hSniL/otPxA/wC+NH/+V1QftD/6v4bf9jvpX/oT165QB5V/wpTxF/0Wn4gf98aP/wDK6j/hSniL/otPxA/740f/AOV1eq0UAeVf8KU8Rf8ARafiB/3xo/8A8rqP+FKeIv8AotPxA/740f8A+V1eq0UAeVf8KU8Rf9Fp+IH/AHxo/wD8rqP+FKeIv+i0/ED/AL40f/5XV6rRQB4zr37OV74r0mfStb+LXjvVNKuQq3FnL/ZSJMoYNtJSwVgCR2IPvXsu2looAKKKKACiiigAooooAKKKKAPKf2T/APk1n4N/9iZo3/pDDXq1eU/sn/8AJrPwb/7EzRv/AEhhr1agAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA8j/aI/1Xw3/wCx30r/ANDevXK8j/aI/wBT8OP+x20n/wBDavXKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA8p/ZP/5NZ+Df/YmaN/6Qw16tXlP7J/8Ayaz8G/8AsTNG/wDSGGvVqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACkzS15Z8d9U161XwJpWgeIbzwvNrviSLTbnULCC2mnWH7JdSkILiKWMEtCnJQnGelAHqdFeVf8Kf8AGX/Rc/G//gu0H/5W0f8ACn/GX/Rc/G//AILtB/8AlbQB6rRXlX/Cn/GX/Rc/G/8A4LtB/wDlbR/wp/xl/wBFz8b/APgu0H/5W0Aeq0leU/8ACofGX/RcvG+f+wdoP/ytpf8AhUPjL/ouXjj/AMF2g/8AytoA+fv+Cif7TWrfAHU/hlAPAU/iTS7nW7bU4L+31Dyy91bSZNmY/KbDOroVbJz8wC/Ka+xPDd/f6p4e0y81XTl0jU7i2jlutPWcTi1lZQXi8wBd+0kruwM4zivG/GP7MGofEBdITxF8XPGGrLpGpQavYC403QiLe7hJMUq400cqSfbk5roP+FP+Mv8AouXjf/wXaD/8raAPV6K8o/4VD4y/6Ll44/8ABdoP/wAraX/hUPjL/ouXjj/wXaD/APK2gD1aivKf+FQ+M/8AouXjf/wXaD/8raX/AIU/4y/6Ln43/wDBdoP/AMraAPVaK8q/4U/4y/6Ln43/APBdoP8A8raP+FP+Mv8AouXjf/wXaD/8raAPVM0Zr56+L3hjx58M/hvrniix+M/i2/utLiWdLW903RDDLh1BV9mnq2CCfusD719C7eaAFooooAKKKKACiiigAooooA8p/ZP/AOTWfg3/ANiZo3/pDDXq1eU/sn/8ms/Bv/sTNG/9IYa9WoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK8p+OH/Iw/CL/ALHOL/0331erV5T8cP8AkYfhF/2OcX/pvvqAPVqKKbuoAdSUm72o3UAfO3g3xt8Rvi98bvHkWj+J9N8L+D/A+vW2iyaNJpAu7jVAIYpriSSUyKYtyylYyg4xuIbofMbv9or4pt8Pb341W2vaQPCNv4xGhJ4G/soGWWxGqDTixuvM3i5JPm4xsAGNpr6M1n9nH4f678SV8eXOizw+KDLbzTXVlqV1ax3cluQYGuIYpVinKYGDIrYAA6DFZ6fsp/C6Px3/AMJcnhphqn9p/wBtfZ/7QuvsH9oZz9r+x+b9n87PPmeXu3fNnPNAHzR4f/bU8fWtx8TdB1f+zbrxJqGp3Nj8O1jtvLWWUavNpfkSDP7wwv8AZpm7lHbJ4rjNF/bK+NXiBPD8ej30Os+J5PDVhqdv4fs/DMl1HrV1Jql1bTLJLF/x6IIYVbzGZVGCea+2bb9m34b2mueHdYj8MQnU/D2qahrGmXD3Ezm3vL12e6kG5yG3sxbawKqQNoXAxd+HPwG8C/Ce/wDtvhXQ/wCy7kadHpO/7XPN/osc0syR4kdhxJPK27r82M4AAAPnXQv2zL7Uv2uNZ8Hf27oM3g2a41Lw9pmmxyxnUINSsbeGZ55gG3eVK5u4VyMFoBg5OD5j8I/2zvir4m+F/j3XLvVbbUrjSfhpJ4r82/0IafJZ6kWcQLAhYfa7ZljkJlCbQyKN3zYr7Jj/AGafhrD4b0PQk8Lwpp+iaoNasCtzOJ4rwSvL5pn3+Y5LyyEh2IYOQQRxVU/sq/C3+xbPSB4XC6faeHJ/CMUS390p/sqYqZLZmEu5wSoIZiWU5KkEmgBv7M/iLxP4t+Haav4q1HVb++uJVaP+19BTSJEQxI2EjVjvjJY4c4zyMcV65XIfDf4W6B8J9Hl0vw6uppZSSCQx6nrN5qRUhQoCNdSyMi4A+VSBx0rrd1ADqKQmjdQB5X+1N/yb741/68h/6MSvVa8q/am/5N98a/8AXkP/AEYleq0AFFFFABRRRQAUUUUAFFFFAHlP7J//ACaz8G/+xM0b/wBIYa9Wryn9k/8A5NZ+Df8A2Jmjf+kMNerUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFeU/HD/AJGH4Rf9jnF/6b76vVq8p+OH/Iw/CL/sc4v/AE331AHq1fLH7dnhnxB42t/hH4d8L+ILvw1rd/4rkNlf2szR+XcxaXfT25fH3kEsUe4c5Ga+p6TbQB+UWt/FnUPiN4JTX/FT23hYXfxk+x6xp/ia/ntNPs5YvD0az28skbBliWdHxg8nae9ei/GaC+g8VeH/AAF4M1oW+jfGzwto2lWGpaHeS3NnbTWN2v22W2kYklDZTsQScsEBY5r9GMe9Q3FxDZ28txPJHBBCpeSWRgqooGSST0AHegD43/Ym8Ya78XrHxj451uS8S50Xw/pfgny5nZQL6ztml1CTaf4jPcKu7r+7xnivEPDPhHxDpP8AwTzs9bl0vTrW+8UXPhfy7638QX80+qK2pRK32zegFvnzMHyS+Q7dcDP6P6b488M6tpJ1Sx8RaTe6YJltzeW99FJCJWYKqbw2NxZlAGckkDvUmoeMvD+k6xb6Tfa5pllqlwFaGxuLuOOeQEkKVQncckEDA7GgD8wry58YeMPCmp/A/TLfxVN4lsvE3iDV9W0Pw1emR/D6QQJFplvBcXM8ZktGuLiC5DEqWAcBBiu6+L3xa8TfFSz+BHxO8PXN9BruieENW8V3mk20zxpcXWn3WnrqFrJGCNwKreRAHuwr9CNf8TaL4TtVu9b1Wx0a2kk8tZ7+5SBGcgkKGcgE4BOPaqjePvC8d7p9o3iPSVu9QjSaytzfRCS5R87HjXdl1bBwRnPNAH5X/Fjxhr/iKXxp4+1DV7zT7Dx1pGk+ILaz1G8mgtrPTW8RwW1or7GHlo1pFG7lcH989fVfjqOyj/Yfj8UeBNR0i9l8H30PimKbwfqU93YSNZXomuUSWRi7qYVlVlY4ySOgr62m1rTbXVLbTJb+1h1K5RpILN5lWaVF+8yoTlgO5A4qK18S6PfQ38ttqtjPFp7vFevFcoy2zIMushB+QgdQcYxzQB+bPgfxb4s8Y/E6x8N3WpalcaX8cPENh4z05d7oLPSrS/vZp4Vb+ENaWmn56Z87GDmtW+8D6X4y8K+D9X1db671G9+ON74duJhqNzGZNObUr1mtyEkA25xyBkYAzX6AN8SvCCT2MT+KtEWW/RXtIzqMIa4Vm2qYxu+cFgQCM5IxXSfhQB+avxsuvH3hnRv2mtP8L3Gm2vgfSNf0C0f7TeXX9o2qC201US2IJXbjbnccnLHk1+lXpRtFLigDyv8Aam/5N98a/wDXkP8A0Yleq15V+1N/yb741/68h/6MSvVaACiiigAooooAKKKKACiiigDyn9k//k1n4N/9iZo3/pDDXq1eU/sn/wDJrPwb/wCxM0b/ANIYa9WoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK8p+OH/ACMPwi/7HOL/ANN99Xq1eU/HD/kYfhF/2OcX/pvvqAPVqKKKACvBf21vCuteMPgbLZaRo914ktYdZ0y81fQ7Fd8+pabFdxyXVvGmRvLRqTs/iAIGScV7rc3CWtvLNIcRxoXYgZ4Aya+dvD/7eXwx17S7e9KeINN+1W9le2UOoaU8L3lrdXcdnHcQ87XjE0sasQcjdyKAPm/4qeB7vxNqfxB8a/Dv4aeI/D/ghl8KQSaRD4ZuLK51S8tNYE891Fp4jErCK3KoX8sZwcZCk10Pxm/s34jfFTx7ruo/B7xl4t07xP8AD620vQYrrwZdiSPUEur9SrvLEPsbgtG+92QhSjjgrX034d/ao8C+KPEll4dsJNQbxBNf6np9xpbWuJ7B7AA3L3Az+7jw0W1snf50eM54yvA/7YPg7x2nhGe20XxTp1j4svIrHRdQ1PSjBb3sjwzTAo5Y5XZA+TjuvrQB5f8AGj4O+PPE3wt/Zj8MXccep+J9J1awTXdSv9KbWbSCSPSbiOae5jDqJEMny7mdQWdTnJwfLf2rP2e/GfiPx94mnsvDS67oeleB/DtteLpHhwrLqCQX87XMOkSZdbW4WMb1RRIwUovHDH7Z+LXxm0X4O2+gPqtjq2qXOu6iNLsLHRbP7TcTT+VJLgJkcBInP4Vx/wDw2R8Ml0XS9Ym1O7tNH1Pw/feI7S+urN4o5obN9l1CA2G+0RnrFjJ7ZoA+bPjDofxR1/4+aj8bNG+HmpXuneCNd0ux0h3M8OqT6XCjrqK29gYC0yXBv5vn3gn7MmAcYPKeH/gj8RtN8Ua34e07wvrFr4X+L/iPVtO8U3LWssQsLa21qef7U5K/Kt1YTTQIxwHxHjPGfsj4gftUeFPhra+F5NW0nxLLP4g0mfW4rOx0pp7i1tIEieZ50U5TYJk3AZIwfSofEf7Xvw58MpJcz3t7c6XHpWl67JqdraF7ePT9QmaG3uWbIIj3LljjKqQSOuAD40/Z2+G+v+B/ih8PZ/EvhHxBpNhF4Z0+0Cy+ALjVY/OTVr9zC0oiIsiqPG3mHGFdW6AGv01rwe7/AGyvBQ8RR6LpOkeJ/FF9Ne6hZW66FpRuVuGsTCt1JGdw3Ro86pvHBZXA6V6X4L+J2jeO/EPivRdN+1Lf+GLyGy1GO4i2BZZbeO4UKc8jZKufQgj3oA6+iiigDyr9qb/k33xr/wBeQ/8ARiV6rXlX7U3/ACb741/68h/6MSvVaACiiigAooooAKKKKACiiigDyn9k/wD5NZ+Df/YmaN/6Qw16tXlP7J//ACaz8G/+xM0b/wBIYa9WoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK8p+OH/Iw/CL/sc4v/AE331erV5L+0B9utf+FeaxZ6Nqetw6P4oivru30m2NxOsP2O7jLhF5IDSoPxoA9aoryr/hoK2/6EL4gf+E1PR/w0Fbf9CF8QP/CanoA9M1O2a8027t0IDzRPGC3QEqRzXxt4f/YFl8O/ADw5oUV5b3vxJtl0S3vtY1DVbu5tIrWz1CG7ltrQOp8qI+WxCLGgZtu7HUe+/wDDQNt/0IXxA/8ACanpP+GgLb/oQviB/wCE3PQB5L4D/Zb8c+Ffj3qnxZudW0KbW/FzalZeKLGJ5PJhsCsa6ato/kgtJELeISFwofzHOcqufOvh5+xx8Wfhv4P+GtlpWi/D+PWfBusWuqS3TeKNTki1by7S6gbcrWRFuc3CkCMEH5s4wM/T/wDw0Bbf9CF8QP8Awm56P+GgLb/oQviB/wCE1PQBxv7THwQ8XfHLwp8NPJ0/w7caxoOsRavq2k3usXdpZzf6HPDJFDdQwNLgSTDaxjUlV525xXGf8MW6rqXwI+EXgbWrnRdXvPB3i231qfznmMEOmi4leSxgdlMkqiGRYh5uA4QbscY9l/4aAtv+hC8f/wDhNTVnxftQaLNr9xoieDvHTavb20d5LZjw5P5iQyPIiSEf3WaKQD3Q+lAGT8cv2Z/+F4/F7wVrWq380HhLStH1XTdTs9P1O5sbq7+1G32x7ocFoSsUgdS65yoweccj8Vf2VPE/iLxJ4vg8IXOg6F4V8SeEdI8FNHM0nnWNhDcTm78qLymQt9mmCRAsPmOSV2jd6p/w0Bbf9CF8QP8Awmp6P+GgLb/oQviB/wCE1PQB8zL+w/488O6h4IsbG08H+LPCngiXW7PRbHVtcv8AS5zYXc1vNbebJbWrkyxMkyN2YbGJySB7t8M/hv8AEbwJ8eviDrk1t4WufBXjHUYNSmmj1O5/tK0aPT4oNiwm28twZYhyZV+Vs4z8tdH/AMNAW3/QhfED/wAJqej/AIaAth/zIXxA/wDCanoA9Woryr/hoK2/6EL4gf8AhNT0f8NBW3/QhfED/wAJqegA/am/5N98a/8AXkP/AEYleq185fGz4nXHxE+FniHw1pHgHx0dS1KFYIPtHh+aKPcXU/Mx4UYB5r6MDUALRRRQAUUUUAFFFFABRRRQB5T+yf8A8ms/Bv8A7EzRv/SGGvVq8p/ZP/5NZ+Df/YmaN/6Qw16tQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUmKWigAooooAKKKKACiiigAryPRx/xll4u/wCxJ0X/ANL9Ur1yvJNH/wCTsvFv/YkaN/6X6pQB63RRRQAUUUUAFFFFACYo20tFABRRRQAUUUUAFFFFABRRRQB5T+yf/wAms/Bv/sTNG/8ASGGvVq8p/ZP/AOTWfg3/ANiZo3/pDDXq1ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV5JpH/J2Xiz/ALEjR/8A0v1OvW68j0g/8ZZeKv8AsSdH/wDS/U6APXKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDyn9k/8A5NZ+Df8A2Jmjf+kMNerV5T+yf/yaz8G/+xM0b/0hhr1agAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBA2aWvKf2mJLgfC2GC3v9Q037b4k8O2E1xpd7NZXHkT63ZQzIk0LLIm+KR0JRgcMeaP+GafCP8A0GPiB/4cfxD/APJ1AHq1FeVf8M0+Ef8AoL/ED/w4/iH/AOTqP+GafCP/AEF/iB/4cfxD/wDJ1AHqtFeVf8M0+Ef+gx8QP/Dj+If/AJOpP+GavCP/AEF/iB/4cfxD/wDJ1AHq1FeU/wDDNXhH/oL/ABA/8OP4h/8Ak6j/AIZq8I/9Bf4gf+HH8Q//ACdQB6tXwZ4J+LPxvvv+Ck3iTwTfaB4bi0aHSYVu9Wjs7kZ0WGWea2ljzOR57vdeUx5UMpwvyHP05/wzV4QI/wCQv8QCP+yj+If/AJOqqn7K3gSPVJdTW78cLqMsKW8l4vxB8QCZ4kZmSMv9u3FVZ3IXOAXYjqaAPYaK8p/4Zr8I8/8AE4+IH/hx/EP/AMnUf8M1+Ef+gv8AED/w4/iH/wCTqAPVqK8p/wCGa/CP/QX+IH/hx/EP/wAnUf8ADNfhH/oL/ED/AMOP4h/+TqAPVqK8p/4Zq8I5x/a/xA/8OP4h/wDk6l/4Zp8I/wDQX+IH/hx/EP8A8nUAeq0V5V/wzT4R/wCgv8QP/Dj+If8A5Oo/4Zp8I/8AQX+IH/hx/EP/AMnUAeq0ma8r/wCGafCP/QX+IH/hx/EP/wAnU39mn7Qnw71G1n1DUdTWw8T6/YQT6rfTX1wIINVuooUaaZ3kfaiKoLMTgDmgD1eiiigAooooAKKKKAPKf2T/APk1n4N/9iZo3/pDDXq1eU/sn/8AJrPwb/7EzRv/AEhhr1agAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDyn9pb/knOl/9jh4U/8AUg0+vVa8q/aW/wCSc6X/ANjh4U/9SDT69VoAWiql5q1lp0ltHd3cFtJdSeTAk0qoZpNpbYgJ+ZsKxwOcAntVWx8VaNqVvYT2mr2F1BqDtHZyQXKOtyyhiyxkHDkBGJAzjafQ0AalfC/7YPxa8c+FviF8QtI8O6/q9lbwaH4Ue1tdLuEhlWS61uSCcxO/yo8kYCbmIHTPFfaC+MtAfxA2grrmmnXF+9pou4/tI+XdzHncPlIPToc1zfiKx+GeqeLmsNdg8KXfim9jtwbXUEtnvZ44JDNANr5dljkzInXa2WGDzQB5Z8S/iJrfwN/Y91PWJo/ENn4xaB9O0238RXcOpamL+6uGhttz229JirSK4WPJ2KBjIIr5pHxx+Kfib4a+G/BXg3xxqlz8RdB+IF3pa6lrFnJa3Ot2a6feahYC6hmRGRZlRIiGUf6snnqfv63vPBvxMjt5ILjQ/FaaXdx3kLxvDeC0uFB8uVSC2yQZbDDBGTiqVzovw9bVr7xfcWPhk6nYXKi716SK3863nhjeJfMnIyrxpPIgyQVWVhwGIIB8SW37UXjbxJ8HvHPx38ManfTWXhHxqhl8KahNsik0+bTLGKexcEDDwXM7SA9mR8fer2v406548+A/7IuhRXnjCdvFs17pmm674ynCyGwF3dol3dJuG0LH5rKm4YVdnpXt6+D/AIeSR+IPCq6H4ZK6pI2q6zootLfF28hGbm5gx87MUXMjg5Kjk4rW1K88M+KNDgtb+fSdX0bXFNvDBdPFPb6grKWKKrZWUFVY4GcgE9qAPlXW/Ffi/wCEXx2+HfhjwJr+v/GWxvtO1u4vNL1TxBa+YrIunlA05VQdgdnVXy3+kHB27QPnu4/bA8fL8L/hnqFt4n1ybV/C+ky+K/EcdrZTXo1bOrNEljcyxRssKfZLe9fc5VTtj54yP0B0Xwz8HvhTDFd6TpfgnwjHptxNZR3FrBaWQtZ5VRpogwC7HdY4iy5BYIhIIArS0fwv8NPBfhTUtQ0rSPCmheGdSt1N9dWdtbW9ldQYKjzWUBHTDsBuJGGPrQB8GfHb9qL4heA9W+OPifTfFN5d/DvUV/sPQ7i1x/xJL9tHtL2ynjIGQk/mzoe28xknmuz+KXxw1mLxF8WPEXiHxV4y0uz8Daza6Za+HPB+pWVjJa2L20MialPHcDN0JpZSoXDABcBcZNfVdxoPwZg+HstvPp3gVPA2rPCjxSQ2Y0y8aJESFSCPLkKJBGqjnaIlAwFGH/EDwX8HvEzaT4t8baJ4K1QhUXTta122tJcggugimlHIIywAPbI9aAPFvhv4g8W+LP2yviXZ3uq+IJ/DWgaxBbWsMOuwQ6fbq2lwy+U9kR5ku6Rydyngtz0NfW1ebXPg/wCEcfj6DxbcaJ4LXxrM0EsWuyWln/aTmRTFCyzkeYS6qUUg/MBgZxiur1Px94Z0WGeXUfEWk2EVvcfZJnub6KNY5iu/ymLMMPt+baecc0Ab1FZum+JNJ1qRY9P1SzvpGgS6VLa4SQmFyQkoAP3GKsA3Q4OOlR6H4s0TxO12ujaxp+rGzk8m5FjdJN5En9x9pO1vY80Aa1eVfs3/APIk+Iv+xz8Tf+nq8r1WvKv2b/8AkSfEX/Y5+Jv/AE9XlAHqm6jdXz18YPFHjX4d/Fa68YaHNe634Q0PSLOXxF4ViBleW1mmulkvbVe08At0byxgSJ5g+/tNc38O/iLcePviP4N8K6Z4mv7vwhrNn4j8TNqsV/I8mpRQaotraW0M+7ekSRSq52FWbYmTy+4A+qd1LXjnwZ8ZatdfFL4s+Bb68l1XT/Cl/YNp19cndMsN3aLObaR+rmNs4ZssUkQMWILH2OgAooooA8p/ZP8A+TWfg3/2Jmjf+kMNerV5T+yf/wAms/Bv/sTNG/8ASGGvVqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPKf2lv+Sc6X/2OHhT/wBSDT69Vryr9pb/AJJzpf8A2OHhT/1INPr1WgD5/wD2qPDOseIvEvwVk0rSr3Uo7Dxc1zdvaW7yi2i/s29TzJCoOxdzou44GWAzkjPyt+zP8E/iL8JfH37OOjyeGdabwPdofE9089pKD4e1NtEuba9t7gFcwiWR4JFD7fneVQCc1+lO2jFAH57eN/gv4tm/am17xvceF7y+8JWvxP0K8f7FobnU2jXT4ES7t7rDF7SOfaJo405UP84wRWdpfhzxf4M8TaXoNx8NZdZ8eXXj64utf1vUfBcmpRahZTXrSQ6lb6sD5dv5Fv5aqhO5SOi4wf0Z20u2gD89P+CeXw68V+D/AIgaBd6h4V1awtY/AUelancap4Wm0E2F1Hcq6QBpAv253DOTLtO0RjDDJB7L4kfCnxTN+0lqnw/0/wAPahdfDL4ia7pHjDV9UhtmNhaNZI7XttLIBgPcyWdhgZ5Ej19s7aT3NAH566D4Z+Ktt8frX413Hw71CCy8VeIdS0O9ZHmfUl0WeOO1sBcWPkAwRQvZQzmQuf8AXsWAByJPAN5rdp8Af2dDL4C8cRXfww1qwm8SWE/he+iuUhezvIGlt43jDXKxu6FxCHKhgcV9f/Er9oj4dfB3WLPS/GXie30K/vI1lt4Z4ZW8xWZlXBRCMkowxnPHSrA+PXw//wCEd1vXD4ntF0nRGtk1G5ZXUWpuEieAOCuQXWeIjj+MZ5zQB8P+PPAfijXtBh8VN4S8R2ela18ZrvxJHHN4Rn1W8t9NOkm2S4n03YZArSRHCuoIDoSBkCvb/j14el1fwb8B9XbwlqnivwDoWrw3niHw/aeHZI7ho/sUscE76Xt3hYp2VzAEJXj5Ttr1+2/ac+F93eeJLWHxhaPJ4ciuptWby5fLtEtm23BZ9m07DwcEn610vhv4reEPGFzocGia/Z6nLremPrOmi3fcLmzRo0eZTjGA00akHBBbGOtAHwXqnwN8S+OPFNvqXhLwbceE/BOvfFGDU9K0vXfC7zW9jbx6LNDc31zpxMflRTXAOBIY+SpIGQD73+1N8K/E3iLR/gLoOhaRpOtXOleJoBePPoUkujwRppt1GZZrSN/3cG4gKpfClkXce/1Nto20Afm34m/Zh1v4X6X4z+H+n+Htb8btd+CNG0TRdYtNPlgt01aTV72dZlkQMtvHavKkuN37uONAT8wymvfDXxbpvwd8BaNrXhbxBN4o0D4o3934p1yHwpPrg1R5Le7I1VbZYz9ohkWWBBxhCAnBQCv0l20BcUAfGui6oPCP7QN5e3fg/wAa3XhzxF8O9H0a1vNF8HX0CCdZ7vzEdEi22TASK2yQrs3DOAM1q/sIaDq/gtvFnhmLQ7r/AIQfSoLC30PxJrXhVvD+q3igS77a5jdEa48jKgT7QCZH6knH1rto20ALXlP7N7f8UV4h4/5nPxN/6eryvVa+YvgR+z78LvHXh/xZrXiX4beEPEOsXHjjxSJtR1XQrW5uJQuuXqrukeMscKqgZPAAFAH0Hb+DtLtfF154njS4GsXdpFYzSG8mMTQxs7Rr5JfywQZZDuChvmPNYMHwT8GWWm6RY2Gix6XFo91dXmmvp0sltJZSXDu8/lOjBlR2kbMYOwjA24AAw/8Ahk74If8ARG/h/wD+EvY//GqP+GTvgh/0Rv4f/wDhL2P/AMaoA7nwp4K0bwTbXkOj2n2b7bcte3c0krzTXM7AAySyOzO7bVVcsThUVRgKANyvKv8Ahk74If8ARG/h/wD+EvY//GqP+GTvgh/0Rv4f/wDhL2P/AMaoA9Voryr/AIZO+CH/AERv4f8A/hL2P/xqj/hk74If9Eb+H/8A4S9j/wDGqAE/ZPP/ABiz8G/+xM0b/wBIYa9WqnpOkWOg6XZ6Zplnb6dptlClta2dpEsUMESKFSNEUAKqqAAoGAAMVcoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA8p/aW/5Jzpf/AGOHhT/1INPr1WvKv2lv+Sc6X/2OHhT/ANSDT69VoAWiiigAooooAKKKKAPG/wBpD4f694+b4VnQrH7cNE8d6XrV/wDvkj8m0hEvmSfOw3Y3L8q5Y54Br52+Nv7I/j7x5cfH/VdNm16GfX9d0q60TRLPVraLT9VhiisllknjY8FDFLjeyE+WMA8Z+7MUYoA+D9F+BfxPtPhn+0B4Pk8JeKmuvFEfiZ9IabXNMfRZzd3Eklt5UIn86KV1cfNIqqMtnbmuv+Av7NnjX4O/tTSXSWkb/Ce28O6gdHmFzGW0+7vrmymuLER7t3liW3nkQhdoEu3dnivsHbRtoAWiiigAooooAKKKKACvKf2blC+CfEWOB/wmfib/ANPV5Xq1eU/s3n/iifEX/Y5+Jv8A09XlAHq1FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHBfG3wXq/j/wD/Zmgy2UOr2+raTq1v8A2izrbs1nqNteFHKBmAYW5XIBxuFY/wBs+N//AECfh/8A+DS+/wDkavVNveigDyv7Z8b/APoE/D//AMGl9/8AI9H2z43/APQJ+H//AINL7/5Hr1SigDyv7Z8b/wDoE/D/AP8ABpff/I9H2z43/wDQJ+H/AP4NL7/5Hr1SigDyv7Z8b/8AoE/D/wD8Gl9/8j0fbPjf/wBAn4f/APg0vv8A5Hr1SigDyv7Z8b/+gT8P/wDwaX3/AMj0fbPjf/0Cfh//AODS+/8AkevVKKAPCPAfxD+MnxA0S51Oy0LwNbw2+qajpLLcanehjJZ3s9nIwxbn5We3dl74IyAcgHw5+Ifxj+Jfw98MeL9P0LwNbWHiDS7XVreG51O9Escc8Syqr7bcjcA4BwSMg810X7NK/wDFutX/AOxz8Wf+pDqNH7Jw/wCMWfg3/wBiZo3/AKQw0AL9s+N//QJ+H/8A4NL7/wCR6Ptnxv8A+gT8P/8AwaX3/wAj16pRQB5X9s+N/wD0Cfh//wCDS+/+R6Ptnxv/AOgT8P8A/wAGl9/8j16pRQB5X9s+N/8A0Cfh/wD+DS+/+R6Ptnxv/wCgT8P/APwaX3/yPXqlFAHlf2z43/8AQJ+H/wD4NL7/AOR61vgn4K1jwH4LnsdflsZdXvNY1TVp/wCzWd7dDd309yEVnUMdom25IHSu+o20ALRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHlX7NP/ACTrV/8Asc/Fn/qQ6jSfsn/8ms/Bv/sTNG/9IYaX9mn/AJJ1rH/Y5+LP/Uh1GvOfhH8XW+FP7OP7Nw1HRml8N614e0LS7rXvtISLS5pLGIQmZNpOyR9sYfOA7qGKgg0AfTdFeP8Ajr493XgrwD4p8Y/8I0t/ouj6lFYWsiahsbUFaZIHmQGP5VSWTbz97y3K5XYXteOvjbdfC3wx4j1vxXolnZ2mlf2eiTWerCaF3u7j7Ovms8SNAkbFGd2UgIxI3bSKAPVqK53wb4k1LxFDqJ1LRv7IktLoQRPHci4gvIzDFIJ4ZNq7kJkKcqDmNuK6KgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPKv2af+Sdax/wBjn4s/9SHUa8/8G+BNQ+KH/BO3wp4Q0qLT5dS134aWGnWx1SRo7eOWXTI0SR2VHYbGIcYXOVGMda9A/Zp/5J1q/wD2Ofiz/wBSHUaT9k8Z/ZZ+Dfv4M0b/ANIYaAMb4vfCHxJ48/Zkj+H+mW2hQ621tp1s8V1dypYItvNC7hXWBmIKxEAGMdecYqeP4e+JNJbVodB8D+AdH0rU2g/tHTFupZIdUUkRziVRaKke2AEKQj7ztDbVXn2fFG2gDyj9nv4T33wh0fxHpjvHZ6Ddas93onh+3u5LqHRrQxRKbeOSRVO0yrLIEA2J5u1cgZPrFJtpaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiik3UALRRRQAUUUUAFFFFABRRRQB5V+zT/wAk61f/ALHPxZ/6kOo0n7J//JrPwb/7EzRv/SGGj9mk/wDFu9X/AOxz8Wf+pDqNH7J//JrPwb/7EzRv/SGGgD1aiiigAooooAKKKKACiiigAopM0tABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFACV4/+0Bp769r3wh0CTU9Y07TdY8WS21+NE1a60yaeJNE1SdYzNbSRybfNhifaGwSgzmvYa8p+Mn/JRPgT/wBjnc/+o9rNAC/8M0+Ef+gv8QP/AA4/iH/5Oo/4Zp8I/wDQX+IH/hx/EP8A8nV6rRQB5V/wzT4R/wCgv8QP/Dj+If8A5Oo/4Zp8I/8AQX+IH/hx/EP/AMnV6rRQB5V/wzT4R/6C/wAQP/Dj+If/AJOo/wCGafCP/QX+IH/hx/EP/wAnV6rRQB5V/wAM0+Ef+gv8QP8Aw4/iH/5Oo/4Zp8I/9Bf4gf8Ahx/EP/ydXqtFAHPeBPAWjfDXwzBoGgQ3EGmwzXFyBd3s95M8s88k80jzTu8kjPLLI5ZmJyxriv8Ahk74I/8ARHPAH/hL2P8A8ar1aigDyr/hk74If9Eb+H//AIS9j/8AGqP+GTvgh/0Rv4f/APhL2P8A8ar1WigDyr/hk74If9Eb+H//AIS9j/8AGqP+GTvgh/0Rv4f/APhL2P8A8ar1WigDyr/hk74If9Eb+H//AIS9j/8AGqP+GTvgh/0Rv4f/APhL2P8A8ar1WigDyr/hk74If9Eb+H//AIS9j/8AGqP+GTvgh/0Rv4f/APhL2P8A8ar1WigD5/0j4T+CPhf+1N4K/wCEN8G+H/CX27wZ4i+1/wBhaXBZfaNl9oezzPKRd23e+M5xubHU19AV5V4j/wCTpvh5/wBiZ4m/9LtBr1WgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiik3UALRRRQAUUUUAFFFFABXlPxk/wCSifAn/sc7n/1HtZr1avKfjGf+LifAn/sc7n/1HtZoA9WooooAKKKKACiiigAooooAKKTdS0AFFFFABRRRQAUUUUAFFFFAHlXiP/k6b4ef9iZ4m/8AS7Qa9VryrxH/AMnTfDz/ALEzxN/6XaDXqtABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAJXgPhz4fp8TviV8XJ9X8T+LrdNK8SwadZWuleJb6xt4IP7H02cqsUMqqMyTysTjJLV7/XlXwZ/5H744/8AY5w/+mHSKAD/AIZz0P8A6Gr4gf8Ahbap/wDH6P8AhnPQ/wDoaviB/wCFtqn/AMfr1WigDyr/AIZz0P8A6Gr4gf8Ahbap/wDH6T/hnXQ/+hq+IH/hbap/8fr1aviD9t79o7xH8PvibpVh4T1jVrKPwXpkXinWrLS9Pnuo9TD3kSrZXDxxssKG1hvpC0hUZ8s5HWgD6J/4Z10P/oaviB/4W2qf/H6P+GddD6/8JV8QMev/AAm2qf8Ax+vBNe+PGsXXgP8Aa01PSvFsjNo9qLvwvIk6hraJtDguFeAHnG9i/TqSa5Pxn4n+IXh/4S/ChLa/8eS6t4k8XJBeWVp4ns7rUr23/syaXZDcYWOJWdA3luc5XvkUAfU3/DOuh/8AQ1fED/wttU/+P1Uvf2XPCupXWn3N3r3jm5uNPnNzZyzeMdTZreUxvEZIyZ/lYxyypuHO2Rh0Jr5V+Ft942+Id9+zhcap8X/F0/8AwndrrUmrrpeorAifYo8wRbfJXbKmBHMdvzSI5HXNevftp+LvFPgDVPD3iqLWtXg+HWi2c9x4j0/wrq9vY6tAWkjEN4EmUi4iTbIphyMls/NjAAPWP+GddD/6Gr4gf+Ftqn/x+j/hnXQ/+hq+IH/hbap/8frxD4Q618TNV+OXjPwhqfjGQeGfhzb3OoW2qXk2X1RNTQy6cL0EAlbWNbgNnGSqE9K8T1zxp470j4J/EW31rx7490X4teCY9Jub+a08QW93pN+t5dJELm3aOIFEdRIRC23y/lwD81AH23/wzrof/Q1fED/wttU/+P0f8M6aH/0NXxA/8LbVP/j9eDXsfi7S/wBrzTvANt4q8Zax4Y0nw9pV9JI/iSC1cPLf3QkluQ6A3IKoq7EAbagFeY+H/wBo74m6RrHjvwhc+Ir/AFHV/iHruoaT4FvJkDf2Vcw61NYXSJxjbDbSQXIB4HlP60AfY/8Awzpof/Q1fED/AMLbVP8A4/S/8M56H/0NXxA/8LbVP/j9ZX7GvijWPGn7NHgbWdf1O41nWLm3m+0X10waWYrcSoGY4GTtUdu1e1UAeVf8M56H/wBDV8QP/C21T/4/R/wznof/AENXxA/8LbVP/j9eq0UAeV/s03F5N8L5or3Ub7VZLHxJ4i06K61O6e5uGgt9avYIVeVyWfbFFGuWJOFFeqV5V+zT/wAk51b/ALHLxX/6kOoV6rQAUUUUAFFFFABRRRQAUUUUAeVeI/8Ak6b4ef8AYmeJv/S7Qa9VryrxH/ydN8PP+xM8Tf8ApdoNeq0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV5V8Gf+R++OP/AGOcP/ph0ivVa8q+DP8AyP3xx/7HOH/0w6RQB6rWJa+N/Dt7r1xodvr2mT63bAtNpsd5G1zEB1LRhtwH1FWPE1rf33hvVrbSrhbPVJrSWO0uG6RTFCEc/RiD+FfBP7PGi6/4X8WfCrwrB8LJtKvdP0m/tvFt/qngqVbm31FbOYPexa0SUnF1M2AFJJViM84AB9xWvxQ8HX1ndXVt4s0O5tbTZ9onh1KF0h3nam9g2F3HgZ6niqetXXw+8N3muTavN4a0u61ZIYtWkvnt4XvEMbpEtwWwZBsSRVD5+VXA4Br8/Phz8IdR8R/sa23gLVPCPiCTV5r7wxb6rplx4DudHmithqcX2lTcmIG7CpuZpMnYAWPBJrkPEPwn+Kum/E6Ox8WeGvEOp2fhPWdC0iPxRb+FJ9di1LT7a11oQ3f2dI2ExEVxapIOdsjckEigD9Al+G/wAXWrBx4W+G41fULFbW0Yafp/n3Nm8JtljjO3c8TQgxBRlSgKdOK6HQ/hj8LPA99puj6N4T8H+H70XLarY6fY6ba20n2hYzG1zFGqg7xGxUyKMhSRnBr4Y/aL+Cfij4ieJNb1rRfCV9qXhi28CeHVuLZfCUlpqF9HFfzPcw6cHX/QrtY/n8oRswDKuFyDXTfGHRPijr3x81H42aN8PNSvdO8Ea7pdjpDuZ4dUn0uFHXUVt7AwFpkuDfzfPvBP2ZMA4wQD610PUPg7aahbS6PdeB4b7TXvL6BrKSzWS1aUFruZSpyhcBmkYY3AEsauan4Z+FnxgntPEN/pfhHxpLojk2+qXEFrfGxYYc7ZSG8sjhuo6A+hr5Y+IHwEFvcftgzaJ8OhFJf+G7SDw29hom1rh20qVJ0syqZZi7bWWPkscHk12XgPwlpHiL9j/wAZeF9a0/xQlte2bWeorpngWfQdS2vBGh8m0MStcsnJLqrbwCuDjBAPoGx1f4eXUd74gtL3wzMniCSPTrrVIJbdhqUiKyxwSSg/vmVWcBCTgFgB1rOsfhn8JfBum3vhC08LeDdFsNTH2+60GOwtIYrpYyG854NoDhCoO4g7do6Yr4h1T4NeNPjl8JPCHgzVfC01pp8fjq8hsvEVr4Wk0KW5thotylvqt3ZhQbd1n8tA7BQTHHgDIzj33wv8b/GrXtF+IvxY8F+MNJufEWkaz4f1a20XS5pr3S7KDT4bdCsYQkGW6e+mVCDvVwFDcZAPvqXwD8K/i7qll4wl8O+D/GmpWhWO119rG0v5oTG5dVSfaxUozFgAeCSe9WbPSPhtHHaazaWXhVE0vUbhrbUIYrYC0vrhytwUkA+SaV5CHwQzl8HJNfPfwZ8V/EDwN+y38Sb6HwZNda3pdxcw+F5NP8Kvo154g/cRR291Pp23dG/mEKzFQCkW7AAyfnz/AIU/8Svgr4A8WeALn4earNpF1N4V8UQN4aFzrccl3aX1pBqTl0gU+fMsKXBiCk4WQgkA4AP0Vt9Y8EfDr+z/AAxb3ugeGOALPRY5YLTh3OPLhBH3n3dByc96u2/j7wzdXWo20HiLSZrjTld72GO+iZ7VUOHaQBsoFIOS2MY5r451qaXxd+2VpfjuTwx4qs/DF/4f0q3t5NS+G95el5otQuxJFIzw7rBgCreY2DtdH+7g1yfwW+BfiXRf2hPDniPxV4QnufDN54s8ZwIIfD7Qz2zXMkwil1CVlY3FlPCZAmQiBmjJLAigD7y8P+PvDPiu6e20TxFpOsXMaeY8NhfRTuq5A3EIxIGSBn3Fb9fOf7IHwrtvAN18WbqTwjD4cu7nx3q/2GdtNW1eXT2aIw+U20FoDtyu35eOK+jKAPKv2af+Sc6t/wBjl4r/APUh1CvVa8q/Zp/5Jzq3/Y5eK/8A1IdQrJ8J/tHa1448K6N4j0T4J/EC+0XWLOHULG5+1aBH5sEqLJG+19UDLlWBwwBGcEA0Ae10V5V/wuTxd/0Qn4gf+B3h7/5a0f8AC5PF3/RCfiB/4HeHv/lrQB6rRXlX/C5PF3/RCfiB/wCB3h7/AOWtH/C5PF3/AEQn4gf+B3h7/wCWtAHqtFeVf8Lk8Xf9EJ+IH/gd4e/+WtH/AAuTxd/0Qn4gf+B3h7/5a0Aeq0V5V/wuTxd/0Qn4gf8Agd4e/wDlrR/wuTxd/wBEJ+IH/gd4e/8AlrQAeI/+Tpvh5/2Jnib/ANLtBr1WvnTVvF/jy++NHhXxdH8D/HA03SvD+r6VPE2oaB5zS3dzpssbKP7UwVC2Uu4kggsmAckjtv8Ahcni7/ohPxA/8DvD3/y1oA9Voryr/hcni7/ohPxA/wDA7w9/8taP+FyeLv8AohPxA/8AA7w9/wDLWgD1WivKv+FyeLv+iE/ED/wO8Pf/AC1o/wCFyeLv+iE/ED/wO8Pf/LWgD1WivKv+FyeLv+iE/ED/AMDvD3/y1o/4XJ4u/wCiE/ED/wADvD3/AMtaAPVaK8q/4XJ4u/6IT8QP/A7w9/8ALWj/AIXJ4u/6IT8QP/A7w9/8taAPVaK8f1D9oHVNBk02TX/hF440DTb3U7HSjqV3caLLDBLd3UVrCzrBqMkm3zZowSqMQCTjivYKACiiigAooooAKKKKACiiigAooooAKKKKACvKvgz/AMj98cv+xzh/9MOkV6rXlXwZ/wCR++OX/Y5w/wDph0igD0PxB4i0zwnot5q+sXsOm6ZZxmSe6uHCoi+59yQAOpJAFcdcfHzwPaw6dJJqtzv1BZpLe3TS7t7grE6pIzQiIyIFaRBllGSwxU/xo0uPxB4DutIuPC2seLLS+ljimtdBuoLa7g2nzEuEeaaFQUkjjIIfIODggGvFvh94N+J6/FXQta8daX4nu57fRbHTk1bSNQ01IMi8upphfJ5yO58trJZPIjKs0chXIK4APd5Pix4Qjm8TRHxBZmXwzJFFrEYYlrJ5VVo1cAZywYYxnJ46giq3h740eCvFXiQ6DpniC3uNX8y4ijt2R4/PaBykwhZ1Cy7GUhvLLYwc187az8BfHia1o+uWGiLcTeItcuLnxbaG8hRxa2+snU9N+YvtfEaNakKScXWTgK2Oq+D/AMO/GOoab8HNP8ReF7rwpbeA4zqWoXGo3VpLPqWqyWU1tJ5K200oWEtd3MjM7KxIjG0gsaAPdofHnh+bxxP4Oj1a3fxPDYLqcmlhv3y2xfyxKR6buPxHqM85c/H7wBbR3bjxJDdfZdXk0GZLKGW5kF/HF5skGyNGYssfzNgEAdTXj/jD4R/Ea6+LGo+MvDcEenapq+tXGiHUpLiLfp2gy6faI12i5O91ubNnSPGd0qbgFDEc5o/wL8TeDfE3hn7J4S8S2+h2d5r1yD4W1PT454HkuLe109pGuLhCw/s+2yxXc2ZcHkHIB9Hv8ZfBserW2mPrSxXk1sl4Y5IJVEETxmRDOxTbAWRWYLKUJCnirXh/4qeFfE/hvUdfsNWU6Np8bTXN7cwyW8ccQTzDLmRVzHs+YOMqRyCa8f8AF3hzxJc/E7XNU034feIZfDmqW9xYeK9Mmv8ATjbeIoBH9nt5LVGud0c2wglnMAMSFW3OExnWfw3+KnifwLpPgi4kbSdA/taS8N34pEOpXMWlW7Qta6bdpb3Cec8sm4s6yEeTEUkZ2c7gD224+LXg+18F6T4tm1+1Xw/qqRPp93k5vPMXdGsUeN7uwyQiqW4PHBrLm+P/AIDhh0+T+2ZZJL4TNDbw6fdS3GImVZd8KxmSPa0iA71HLCvFfC/w1+IXgOPwdcaj4dvvES6HaeJNFjXw3NZQ3NmbnUFaz1C3jup/KANrGF2tIzx79pDAvU/w58E/E2P4p6HrfjjTvFl9PFo1nZjVdO1DS0gjZr26uJ47xRKjOqI9nGfJjO7yWI3ZzQB7j42+MnhL4d6pY6d4g1KayvL4D7NGlhcTCZiHO1THGwLYjc7c5wpOMc1DqHxy8C6Trlvo954igt9QmeCMxvHJtgkn2+RHO+3bBJJvTakhVm3LgHIqLxl4W1TxF8Wvh3ei23aBoK6jqc90ZFwl60C2tum3O4lorq8OQMDYQSCy58isvh3411bwZqnw0vfCVxZJqvim61TV/GE15ataXNm+ptd7okWUzmZ4RHAqvEqx4+8VRQ4B7z40+Inh74fQWkmvaj9ja7do7eGOGSeaYqu5tkUas7BVGWIGFHJIpfD3xF8NeKtY13StI1i1v9Q0IwrqVvE3zWvmx+ZHuzx8y8/gR2Neb/tAaD4m8QatoUng7w9rC+LNM/e6T4ptbu0jsLQyuFuILyKWYSSQsiIzKkTk4XYVdQR5xp/wH8dzeMbiSawWy0bxwdS/4TOdbuPz47WPU7i4srRArfM01vdNbllOETzDuVtgIB7dpv7Qnw81q00e603xPb6nb6u0i2T2Mcs4kWOcwPIdinZGJQU8xsJkYzXou6vlX4e/DHxp4VuvhmNM8Kap4b8S2ENtH4j1kXti2j3drM7Xd9atEszSs6TzTrE6RLhzu3mNmB+qsUAeV/s0/wDJOdW/7HLxX/6kOoUn7J//ACaz8G/+xM0b/wBIYaX9mn/knOrf9jl4r/8AUh1Ck/ZP/wCTWfg3/wBiZo3/AKQw0AerUUUUAeQ+Hv2oPCHiSy8W6pbWmtw+GfDUF9PdeJLnTnj02ZbNylyIZT95kZWGCBu2sVyATTPBf7VXgXx3pvw/vtOk1CK38bXt5punNd2hiMN3bCQy29wCf3Uh8mTap+9t46jPzv4x/Yr+JPjTxd4obTrnwt8OPDHito7bxHY+HdUu7iPVUN7FPNe/ZpbcQw3JiiaPaNwbzpCz4zv6S8/Y++IOmeGvH1hpPi7TNX1OTxZp/jvwlq2sIIJIdXQqb0XUdvAsaxSBCB5QORNJkA53AHqGo/theDrfxFHoenaP4n8R6pJf6np8Vvoulm4Mj2DxR3Tr8wzGrzKm7uVb056f41fH7RfgP4XtfEPiHRfEN3pMo/fXGk6cblbTLRqon5Gws0iqM9Tkdq+e9e/Yu8T2Nj8F10uz8M+LH8HaNqFtrFvrWtXulreaheSQTTXMcttbyMQZknbDAffGc9vev2lvhbrPxs+BOv8Ag7S5rGx1nUhZlZLyVxboYrqGZwWVC2MRsAdvJxnFACWP7S3hi4/4SGO807XdFvdB8O/8JRqFjqmnmC4is99wg+Qn75+zSHb6FTnnir4B/ak8MfE7xd/YHhzRfE2oBFtmuNUXTD9htvtFpHdxrLLu+UmKVO3VsV578cv2N4/jZ8TvHvijU0sLiLU/BMeg6Isl9cwPbagrXTebMsQCmL99F1L/AHW+T1xf2ff2VfGfwb+LsniHUdM8K6vZXEGnQnVodevo7y0EGlQWcqpafZvJlDSRMQXcHawPB4oA9t179pDwP4Z+Mkfww1G+nt/FcujtrcMLQHypYV8wlFfoZNsMrbf7qE9q5fwX+2V4P+Ik1x/wjmgeLdWsrWxhv7nULfSCbaBZbFL2NHfdw5ikT5f7zAe9cn+0F+yTrfxg8beMvE2matp+kavLo2kL4Yv3eTzbLU7Ke9kLSgIQIZI7ryjgsSryfLwM8t+y9+yH43+A3xAtdU1bTfCOtWxstNtZNYt9ev47q1+z6RBZSrHa/ZhDKGkhYgu6nawPBGKAPb9A/au+HfiTxR4H0C01SUah4x8PN4n0sSxbU+xhd5Mhz8j4Dnb/ANM39Ki1X9qnwlpnw58CeM49N8QalY+Np47fRLHT9OMt7cM8Ukyfug3AMcTN16Yr5cu/+CefxFsfB+uRaH4n8PW3imx1M2XhLUJpZ9tl4fMeoxfZ5SIsrLs1SY7UBXMUfzHrX0V8Y/2YYPiNofwe8M2DpbeGPBerwT3UIvriynazisZrdEgkgw6vl4/4k4Dc9iAWPHH7ZHgf4carHY+IdO8S2Hl6RZ63qM/9kSPHpNrcyNHG13tJaMh0YMMHbg11ml/tCeDtY+OGrfCi2u7g+LdMsRfzo0BFuy4iZo0k6NIqXELlRyFkBrwf47fsR6p8SvG2t+IND1GytzaeGtG03w7BquoXc0T3djeSzlNQjIdbmB0aNCZfNbJZsZGSzwr+yD8RtB8d+FPiLceN7G58XQ+Mb7X9X0fYo05bS9zDcxW84txcO4tUtlVZDs3QDhcAgA9c0H9r34b+IdH+JmpQajdQ2/w8lmi1wXFqyOPLeVN8I/5aqzwSou3kshGM1n+Ef2yvBvj7VtC07w3onivWp9W0+DU91ppBZbO3luJbdXuDu/d4eCTPXAXNeQ2n7C/iceO/D2qza9pUOjT+IdTvfFlhC8rf2np51htV02FQYwC6SnEgJA2yOAW70vhP+xf49+F/j/wXr9zYeD/E0ekaLZ6bLJLr9/ZSWksWoXdy00KR2pWcbLhMLKVBZSDgckA+480tN706gDyn9pUY+HWj/wDY5+E//Uh06vVq8q/aW/5J1pH/AGOfhP8A9SHTq9VoAKKKKACiiigAooooAKKKKACiiigAooooAK8p+DJ/4r744/8AY5w/+mHSK9WrzLWv2evC+teJta14X/inSr/WJ0ur5dG8U6jYQzSpBFAshignRA3lwRLkLkhBmgD0zFJtryz/AIZv8O/9DJ8QP/C71j/5Ko/4Zv8ADv8A0MnxA/8AC71j/wCSqAPVNtG2vK/+Gb/Dv/QyfED/AMLvWP8A5Ko/4Zv8O/8AQyfED/wu9Y/+SqAPU9tG3rXln/DN/h3/AKGT4gf+F3rH/wAlUf8ADN/h3/oZPiB/4Xesf/JVAHqm3pRt/KvK/wDhm/w7/wBDJ8QP/C71j/5Ko/4Zv8O/9DJ8QP8Awu9Y/wDkqgD1TbRt/GvK/wDhm/w7/wBDJ8QP/C71j/5Ko/4Zv8O/9DJ8QP8Awu9Y/wDkqgD1TbRt/KvK/wDhm/w7/wBDJ8QP/C71j/5Ko/4Zv8O/9DJ8QP8Awu9Y/wDkqgD1TbRivK/+Gb/Dv/QyfED/AMLvWP8A5Ko/4Zv8O/8AQyfED/wu9Y/+SqAPVNvOaWvKv+Gb/Dv/AEMnxA/8LvWP/kqj/hnDw7/0MnxA/wDC71j/AOSqAE/Zp/5Jzq3H/M5eK/8A1IdQo/ZP/wCTWfg3/wBiZo3/AKQw12ngHwDpHw08MQaBoaXKafFPcXOby7luppJZ55J5pHllZndmllkYliTlq4HSf2U/AmgaXZaZpl34407TbKFLa1s7T4g6/FDBEihUjRFvgFVVAAUAAAAUAewUV5V/wzT4R/6C/wAQP/Dj+If/AJOo/wCGafCP/QX+IH/hx/EP/wAnUAeqbfejbXlf/DNPhH/oL/ED/wAOP4h/+TqP+GafCP8A0F/iB/4cfxD/APJ1AHqm2jbXlf8AwzT4R/6C/wAQP/Dj+If/AJOo/wCGafCP/QX+IH/hx/EP/wAnUAeqbaNvSvK/+GafCP8A0F/iB/4cfxD/APJ1H/DNPhH/AKC/xA/8OP4h/wDk6gD1TbRtryv/AIZp8I/9Bf4gf+HH8Q//ACdR/wAM0+Ef+gv8QP8Aw4/iH/5OoA9T20u2vK/+GafCP/QX+IH/AIcfxD/8nUf8M0+Ef+gv8QP/AA4/iH/5OoA9UxRtryv/AIZp8I/9Bf4gf+HH8Q//ACdR/wAM0+Ef+gv8QP8Aw4/iH/5OoA9UxRivK/8Ahmnwj/0F/iB/4cfxD/8AJ1H/AAzT4R/6C/xA/wDDj+If/k6gD1TbRXlf/DNPhH/oL/ED/wAOP4h/+TqP+GafCP8A0F/iB/4cfxD/APJ1ACftKtn4d6R/2OfhP/1IdOr1avKY/wBmXwT9s0+4uLjxhqf2G9ttQht9U8c63e2/2i3mSeF3hmvGjfZLGjgOpGVHFerUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAf/Z)***

**DFD for Motion Detection**

***Components of Motion Detection System: -***

***Login*** The users who are created by the master can login into the system using this module. The user will have to enter their username and password. The GUI has boxes to enter the username and password and a login button to login.

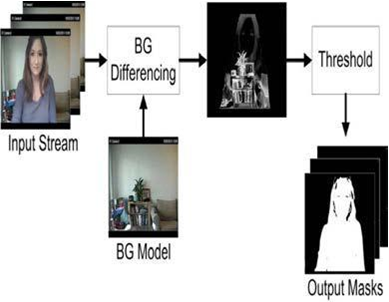
***Monitoring*** In this module, when the system is started then it will monitor an area, according to the capturing capacity of camera, it will compare frames and if it founds any variations in the frame when compared to other frames, then the corresponding frame will be saved to the computer and at the same time a sms will be send to the registered user.

***LOGOUT*** The master or the admin user for exiting application when the job done, we providing logout button. This are secure exiting option.

**IMPLEMENTATION**

**BACKGROUND AND FOREGROUND SEPARATION**

The discrimination between background and foreground is based on block-based motion estimation. In this paper, the modified block-based estimator is used to track changes of the individual block. Each frame of the 320x240 pixel resolution is divided into non-overlapping of 32x24 pixels. For the block motion estimation, a 9x9 window region with the maximum standard deviation is extracted within each block.

The basic method of background subtraction is to

***Conclusion: -***

The “Smart webcam motion detection surveillance system” is a home/office based security system which can be of great where security is a matter of concern. Due to the advent of technology in the modern world, the methodologies used by thieves and robbers for stealing has been improving exponentially. Therefore, it is necessary for the surveillance techniques to also improve with the changing world. The latest technologies used in the fight against thefts and destruction are the video surveillance and monitoring. By using the technologies, it is possible to monitor and capture every inch and second of the area in interest. Motion detection is the most important feature in digital video surveillance system. It gives the camera the capability to capture when needed rather than capture all the time and this leads to huge reduction in storage space. Alarm can also be triggered when unexpected motion is detected. This relieves the Personnel in monitoring at all time. The motion detector patches up for the need of a cheap and small security system in day-to-day life. Computerized home-based security can develop a lot with the coming future. Future is promising and easier with innovative technologies.

***References: -***

1. Google search.
2. Yahoo search engine.
3. www.w3schools.com.
4. www.mathworks.com.
5. www.matlab.com.