**Interview Questions and Answers**

Q: **What is the CDS view?**

A: To take advantage of SAP HANA for application development, SAP introduced a new data modeling infrastructure known as core data services.

CDS is an enhancement of SQL which provides a Data Definition Language (DDL) for defining semantically rich database tables/views (CDS entities) and user-defined types in the database. Some of the enhancements are:

* Expressions used for calculations and queries in the data model
* Associations on a conceptual level, replacing joins with simple path expressions in queries
* Annotations to enrich the data models with additional (domain-specific) metadata

Q**: Explain CDS-related Repository Objects?**

A:

**Data Deﬁnition :**

Also referred to as DDL Source (for Data Deﬁnition Language, named after the DDL part of SQL)

Contains the deﬁnition of either a CDS View or a CDS Table function

Display only in ABAP workbench

Editing requires the use of the ABAP Development Tool (ADT in Eclipse)

**Access Control :**

Also referred to as DCL Source (for Data Control Language, named after the DCL part of SQL)

Contains the deﬁnition of authorization rules that are automatically checked when a program accesses a certain CDS View or CDS table function

Display only in ABAP workbench

Editing requires the use of the ABAP Development Tool (ADT in Eclipse)

Q: **What are the advantages of using CDS views?**

A: CDS Views offer several benefits, including:

* Improved performance: CDS Views are optimized for SAP HANA, so they provide fast data access and processing.
* Reusability: CDS Views can be reused across different applications, reducing the need for redundant code and data models.
* Simplified data modeling: CDS Views provide a simplified and standardized way to define data models, making it easier to develop and maintain applications.
* Integration with other SAP technologies: CDS Views can be integrated with other SAP technologies, such as SAP Fiori and SAP BW, to provide a seamless user experience.

Q:**Difference between ABAP dictionary view and ABAP CDS view?**

A:

![A close-up of a dictionary

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4REkRXhpZgAATU0AKgAAAAgABAE7AAIAAAAeAAAISodpAAQAAAABAAAIaJydAAEAAAA8AAAQ4OocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEdpcmlzaCBOYW1kZW9yYW8gQ2hhcGxlIChNQVMpAAAFkAMAAgAAABQAABC2kAQAAgAAABQAABDKkpEAAgAAAAMwMgAAkpIAAgAAAAMwMgAA6hwABwAACAwAAAiqAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAxOTowNjowNCAxNzoyNDoxNwAyMDE5OjA2OjA0IDE3OjI0OjE3AAAARwBpAHIAaQBzAGgAIABOAGEAbQBkAGUAbwByAGEAbwAgAEMAaABhAHAAbABlACAAKABNAEEAUwApAAAA/+ELMGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMTktMDYtMDRUMTc6MjQ6MTcuMDIxPC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPkdpcmlzaCBOYW1kZW9yYW8gQ2hhcGxlIChNQVMpPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMABwUFBgUEBwYFBggHBwgKEQsKCQkKFQ8QDBEYFRoZGBUYFxseJyEbHSUdFxgiLiIlKCkrLCsaIC8zLyoyJyorKv/bAEMBBwgICgkKFAsLFCocGBwqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKv/AABEIANACngMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APpGiiigAorm9e1DXP8AhKtL0bQbrT7T7VZXV3LNe2b3P+qe3QKqrLHjPnkkknoKPsPjf/oYfD//AIIZ/wD5MoA6Siub+w+N/wDoYfD/AP4IZ/8A5Mo+w+N/+hh8P/8Aghn/APkygDpKK5v7D43/AOhh8P8A/ghn/wDkyj7D43/6GHw//wCCGf8A+TKAOkorm/sPjf8A6GHw/wD+CGf/AOTKPsPjf/oYfD//AIIZ/wD5MoA6Siub+w+N/wDoYfD/AP4IZ/8A5Mo+w+N/+hh8P/8Aghn/APkygDpKK5v7D43/AOhh8P8A/ghn/wDkyj7D43/6GHw//wCCGf8A+TKAOkorm/sPjf8A6GHw/wD+CGf/AOTKPsPjf/oYfD//AIIZ/wD5MoA6Siub+w+N/wDoYfD/AP4IZ/8A5Mo+w+N/+hh8P/8Aghn/APkygDpKK5v7D43/AOhh8P8A/ghn/wDkyj7D43/6GHw//wCCGf8A+TKAOkorm/sPjf8A6GHw/wD+CGf/AOTKPsPjf/oYfD//AIIZ/wD5MoA6Siub+w+N/wDoYfD/AP4IZ/8A5Mo+w+N/+hh8P/8Aghn/APkygDpKK5v7D43/AOhh8P8A/ghn/wDkyj7D43/6GHw//wCCGf8A+TKAOkorm/sPjf8A6GHw/wD+CGf/AOTKzfDlz438QeFdK1n+2/D9v/aNlDd+T/Yk7+X5iB9u77WM4zjOBQB21Fc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFc39h8b/wDQw+H/APwQz/8AyZR9h8b/APQw+H//AAQz/wDyZQB0lFcTBc+N5vFV9o39t+H1+yWVtd+d/Yk/z+c86bdv2vjHkZznnd2xzpfYfG//AEMPh/8A8EM//wAmUAdJRXN/YfG//Qw+H/8AwQz/APyZR9h8b/8AQw+H/wDwQz//ACZQB0lFc39h8b/9DD4f/wDBDP8A/JlH2Hxv/wBDD4f/APBDP/8AJlAHSUVzf2Hxv/0MPh//AMEM/wD8mUfYfG//AEMPh/8A8EM//wAmUAdJRXN/YfG//Qw+H/8AwQz/APyZR9h8b/8AQw+H/wDwQz//ACZQB0lFc39h8b/9DD4f/wDBDP8A/JlH2Hxv/wBDD4f/APBDP/8AJlAHSUVzf2Hxv/0MPh//AMEM/wD8mUfYfG//AEMPh/8A8EM//wAmUAdJRXN/YfG//Qw+H/8AwQz/APyZR9h8b/8AQw+H/wDwQz//ACZQB0lFc39h8b/9DD4f/wDBDP8A/JlH2Hxv/wBDD4f/APBDP/8AJlAHSUVzf2Hxv/0MPh//AMEM/wD8mUfYfG//AEMPh/8A8EM//wAmUAdJRXN/YfG//Qw+H/8AwQz/APyZR9h8b/8AQw+H/wDwQz//ACZQB0lFc39h8b/9DD4f/wDBDP8A/JlH2Hxv/wBDD4f/APBDP/8AJlAHSUVzf2Hxv/0MPh//AMEM/wD8mUfYfG//AEMPh/8A8EM//wAmUAdJRXLWN94js/GlnpGuX2l31veafc3StZ6fJbPG0MluoBLTyAgic9h90V1NABRRRQAUUUUAc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NdJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/klnhT/sC2f/AKISukrm/hx/ySzwp/2BbP8A9EJQB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN2P/ACVPXf8AsC6b/wCj76ukrm7H/kqeu/8AYF03/wBH31dJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzd9/yVPQv+wLqX/o+xrpK5u+/5KnoX/YF1L/0fY10lABRRRQAUUUUAc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NdJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/klnhT/sC2f/AKISukrm/hx/ySzwp/2BbP8A9EJQB0lFFFABRRXOfEHUNT0zwBq8+gWdxe6m0BitYbaIyP5jnYGwOy7tx9hQBV8H/EjRPG2qalY6Ql2kmnn79xGFW5TeyeZEQx3JuQjJx9KwtI+Ofh3V9YtLJdK160gvb37Bbahc2QFrLPu2hBIrHkn2+uK5Dwx4T8d+BPHPhC71XT9LuNPS1/sKdtCSeV1iOWWSfcuABJglxgDJzgYrivC3hbxNBqekw2uieMF1Wy137UI7+3A0iKLzPmkUOOH2k/MOe45xQB9A+IviRonhjxbpfh7UVumutRKYlhjDRW4d9iGViQVDNkDAPQ9Ko+LPizpXhLxMdCl0XXdUvEsxfS/2XZrMsMO4qWb5wQARycYGRzXmvibwh8Q/Gl1411TT9O022sr6dILaPUlnjvRHaHMbwADA3tkjd1J7CrMXhLVviR8ULPUdfi8R+H7a58KRC7mtA9pun80CS3dmTBByx2cEgKelAHr8PjHSbnwG/i+0kkn0pLKS93InzlEUsw2nHzDaRj1FctoPxt8P61qGnW1zpeu6KuqFVsLnVbHyoLpm+6EcMwOe3Y5FbHiDw1Bpfwc1nw74bsn8uPRbm2tLaMF2djEwAHcsSfxJryzTx4g8YeCfB3gm38G61praXPaS3+patafZ4olh+8YsnLE9BwDz05yAD3DSNX/tf7d/xL7+x+x3klp/psHl+fsx+9j5O6M54bvg0l74g0zTtd0vRry68u/1bzfsUPlsfN8pd78gYGFOeSM9s14PqvhrxA3h3xAs+g6xd6TJ4+vLvUNPs0eOe9smVQrRjguhP93r6jGRHrfgWwkvPAmtDwF4im0iGS7trrTneSW7hh3FrYMA2UVXd25PA4JPAoA990rV/wC1J9Qj/s+/s/sVy1vvu4PLW4wAfMiOTuQ5wG45BrRr591zw94lbS/FYh0fVptPn8Zfab6ztFaKa+sdg3eUeC6k4+71x161kyeEtYk8DeLU8M+G/EGj6Dd3unnS9Julka6jZJAZpFTLMg75yeme3AB9MUV4Hqfg298I3fjvTfC3h3VNR0e6060ljtBNMVuJvM/elZM7mbbksqtk9OOK5jSfC+vReAfiJYaf4a1mzsb20s3sLCTTp4i7iT59kTyStu4yRvJxgnAwKAPqOs/XtYi8P+H7/V7mCe4hsYHnkjt1DSMqjJ2gkAnAJ6147440CP4TaPonjbwlaSmeweSLUYpp3drkXCAbnZySSJQpx6t0r0j4f+Fv+Ed+G+naLqK+bO8Be+3nPmSy5aXPryxFAD73x/o9l4b0PWVW5uYNdmt4LGKBFMkjzDKggsAMDJPPGDWvour/ANtWL3P9n32n7JpIfKv4fKdtrY3gZPynGQe4rxz4d+FvEEXjnTtA1vT72PRfBcl69hdzxMI7wyviEhiMMVRnPHTgVzereFvFD/D/AE6CTRNTn0qPX9Qm1PTo7OV5ZkZv3L+SskTun3jw46g0AfS9FfO9loOu+HvA/h/xTomm67f32iavceTpl1pkkFxFZzpsaJYjJKxRWAKkseCfTJk8GeC/FFl4q0Hwnrdlez6NYXq+IZtQljbyzObdf3W7GCVnLnGc45oA+hKKKKACiiigDm7H/kqeu/8AYF03/wBH31dJXN2P/JU9d/7Aum/+j76ukoAKKKKACiiigArm/G/jjTPAWix6lq0N3crLL5UcFlGJJXO1nJAJAwFViTngCukryXx5pXjPxN8UbJPDGnacbLQ7B2MuuJOtrPLcAo4Uxj5ysYx143GgDqvE/wAS9G8MeHNH1p7bUNTg1qWKKxi02FZZZTIhZMKWGcgYwMnJHFWfCXj7SfF+lX17axXmnnTpTFeW2oweTLbsF3HcuSBx714Xquh+LE+Fvh7QdV0bXpLnwz4mEUk+j20jTPaqGZZ7dtvOASFboCFzjNaGlaZ4vtPh74w03R9G10Q+Ir+C102XWoP9O/fKVuJbkoCQgUYDNwM0AeueEPiXonjTR9S1HTYr22TTcNPFeRBJNhj8xJAoY/Ky8g98dKyPDHxs0DxPqunWKaVrumf2ruFhc6jZCOG6Zeqo6swJ4+nauP0jw9458L+N5Rrel6fNZ63oT6eW8PxTyQxPbxYhaUuMqxX5B2OfatL4O/Cm3sfD3h7xB4jfW31azjdoNO1KZhDYMWYExwkAoSMHnPJzQB3vjHx/pHgr7HDfxXt9f37lbTTtOg864nx1KpkcD61g6h8aNG0+x0iX+wvEVzdatLPDDp0Gng3SPDtLq8ZYHOHB4zxVPx5Dq/h/4qaH41stBvde0+GwlsLm30+MSXEBZtwkVP4s5x+fPNYfjPW9Zv8AxT8P/GH/AAhPiP7Lp1xfmayhs/OukRkjVGdFOELHPBPQUAdpZfF7wtd+FtW1uZ7yxXRtov7O8tzHc27MQEUx+rE4GDjPetbwh41tfGEd35Gl6tpU9oyiW21W0NvLtYEqwGTlTg857V5mdO1LX5vGXi3xB4E1CTS9Wt7Wyj0Q4S9niRhumKDo68FRnPy+wJ3fg3F4hhm1qK8h16Dw2piGkReIlC3cfB8xSOTsBwBntjHegD1Ks7SNX/tf7d/xL7+x+x3klp/psHl+fsx+9j5O6M54bvg140fCevD4jP4K/sy8/wCEUk18eIPtwiPkeXs3m33YwP3wA29e9YWveF/FEug68i6LqU+lyeOb+7vbKK0laS7tmVPLkWNZI2ljyD91xk4OeKAPpOivnbTPDusaJ4E0jxLo2ma7dXega+89tpV3pUlvcR2kqLHLDFGZZXKdCCWPQ59aPCfg7xZB4j0XwvrdhfS6TNfweJry9eNhGk3k5eBmxjPngfLn3xQB9E0UUUAFFFFABRRRQBzd9/yVPQv+wLqX/o+xrpK5u+/5KnoX/YF1L/0fY10lABRRRQAUUUUAc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NdJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/klnhT/sC2f/AKISukrm/hx/ySzwp/2BbP8A9EJQB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBma74d0vxLa29trdr9qht7lLqOMyOg8xDlSdpG4DP3TkHuK06KKACiiigAooooAKKKKACiiigDm7H/kqeu/9gXTf/R99XSVzdj/yVPXf+wLpv/o++rpKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAObvv+Sp6F/2BdS/9H2NdJXN33/JU9C/7Aupf+j7GukoAKKKKACiiigDjfEer22jfEnQLi8jvJEbSdRQCzsprp8+dZHlIlZgOOpGOgzyKvf8J5pH/Pn4g/8ACc1D/wCMUX3/ACVPQv8AsC6l/wCj7GtLxBrtr4b0WbU75ZXjjZEWKFd0ksjuERFBIGWZlAyQOckgZNAGb/wnmkf8+fiD/wAJzUP/AIxR/wAJ5pH/AD5+IP8AwnNQ/wDjFamkapLqkErXGl32lyxPsaC9VNx4BBDRs6MOezHByDgitCgDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKqX2qWemyWcd7N5bXtwLa3G0nfIVZgvA44Rjk4HFAGN/wnmkf8+fiD/wnNQ/+MUf8J5pH/Pn4g/8ACc1D/wCMV0lFAHN/8J5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/AAnNQ/8AjFdJRQBzf/CeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wAJzUP/AIxVK58ffZtSvbT+zd32XXLTSN/n43+ekbeZjbxt8zG3vjqM1r+JfEsfhuLTy2n3moTajeCzt7ez8ve0hR35MjooGI25z6UAVf8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiom8f6db6XrVzqFjf2N1olqbu8064jTzxFhiGQq5jcHaQCrkZBBIIIp+neNoby9ns77SNS0q6isft6RXnksZ4QcFkMUjjIOAQxB+Ye+AB3/CeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wAJzUP/AIxT/CXjXSvGXhVdf08T21r83mR3ahJIcDd8wBIGVKsME8MKy9O+KWk6toFrqem6dqk73t81jaWXlRpPPIqlyRucKq7AWyzLwPXAoA0f+E80j/nz8Qf+E5qH/wAYo/4TzSP+fPxB/wCE5qH/AMYrZ0y/Opaely9ndWLlmV7e7QLJGysQQcEgjI4KkgjBBINW6AOb/wCE80j/AJ8/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/GK6SigDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xiuf8A+NNLtfht4at5bXXGeHSbVGMWgX0iEiFQdrrCVYehBIPUGvRK5v4cf8AJLPCn/YFs/8A0QlAB/wnmkf8+fiD/wAJzUP/AIxR/wAJ5pH/AD5+IP8AwnNQ/wDjFMTx5pkmlJdrb3hnfVP7JFhsTzxch9pXG7bgKDJndjYN3tXT0Ac3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAc3/wAJ5pH/AD5+IP8AwnNQ/wDjFH/CeaR/z5+IP/Cc1D/4xXSUUAed2fjTS1+JOs3Btdc2SaTYIANAvi4KzXhOU8ncB8wwSMHkAnacdB/wnmkf8+fiD/wnNQ/+MUWP/JU9d/7Aum/+j76tDV9ftdFvdLgvo5gmpXP2SOdVBjjlKkqrnORuI2jAPJA4zQBn/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MVo6RrttrdxqKWUc3l6fdNaNOwASWRQN4TnJCsSpJA+ZWAzitOgDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKKAOb/wCE80j/AJ8/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/GK6SigDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKKAOb/wCE80j/AJ8/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/GK6SigDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKKAOb/wCE80j/AJ8/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/GK6SigDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKKAOJttetNb+KekfYodQi8nRdQ3fbdNuLTOZ7LG3zkXd05xnHGeortq5u+/5KnoX/AGBdS/8AR9jXSUAFFFFABRRRQBzd9/yVPQv+wLqX/o+xq34tg0268M3Ntrmm3OpafMVSeC1heWQDcMOFT5ztOGymWGMjpWN4jsLnUfiToEVnq15pTrpOosZrNIWdh51kNp82N1xzngZ4HPXN7/hF9X/6HvxB/wB+NP8A/kWgDhpbbW5NGmkRdd1PRdL13T7uwOoWshvmhR1acbGVZXVSfl3KXODywwap+MpJdQ0vxTqR0vVYrS71PRhbiSF7Wa4CzxqfL3FWU54GSpBweODXov8Awi+r/wDQ9+IP+/Gn/wDyLVLVPANzrVmtrqfjTxBPAs0c4Xy7FfnjcOhyLYHhlBx0OOaAOB8S6fbQaB4uu/DOjXekeH5LWwjW2Fm+nia7Fzl3jicIVOwxKXwoJA5O0kaNxo9xI3iGX4eaLf6NayaMsMkS2z2DXF15uTsVwpMgj3r5o6ll+Y4yOu1XwDda3psmn6p418QT2spUvH5ViudrBhytsD1ANXP+EX1f/oe/EH/fjT//AJFoA4C70W1nXVn8A+G7zSNPbwxe299B/ZctkLudlH2dBEyKZZFxL84DY34z82De13wPodn4Z8JzyeFIrpLa/in1ILppup2V4GWRpFCtJIS/l7sgklQT047H/hF9X/6HvxB/340//wCRaP8AhF9X/wCh78Qf9+NP/wDkWgCp48tZbrwfax2NlcXGnLdW7X1laxMJJbMMPMjEYAYjGMxjkqCuDnB4fVdAa60vxOPCGh32naDdf2YsVlFYy2ZkuUuQZpooNqumI/LBcKM7M5O3I9D/AOEX1f8A6HvxB/340/8A+RaP+EX1f/oe/EH/AH40/wD+RaAKHh7w9D4d+I2rw6Npv9n6PPpdpIEgh8uBrgSTq5GBt37BHu74257VxfxDtNU1DxFqL2egsL62ubVrC6XR7i6uJEVo2aSK8DiO3UYYGIDJwxwTJXof/CL6v/0PfiD/AL8af/8AItH/AAi+r/8AQ9+IP+/Gn/8AyLQBxuo6Pqb6/q8iaddsknjLTLlGEDENEkVuGkBxyoKsC3QYPpXSfEMywzeFL1bS8uYbLXUnuPsdpJcPHH9mnXcUjVmxllGcdxV7/hF9X/6HvxB/340//wCRaP8AhF9X/wCh78Qf9+NP/wDkWgDjfFVpqPim18X6zp+lX8dqfDM2m2aT2rxT3srFnJWFgJABwo3KCSTgEYJNI00HxALnw1Z675DaJNb6nJrEV3lm4MEcRuhv+8ZSRH8vTPO2uy/4RfV/+h78Qf8AfjT/AP5Fo/4RfV/+h78Qf9+NP/8AkWgDzjT/AAxrlto/h7QrbTruLT/FGjWNvrTeUV+xPBEizB8j5DLCPK57qO9bUWkWCaLq1v4m0bWBA/iS6ntLjTrWczWx/wCWcyeSPMUEZAZQV7Hg89b/AMIvq/8A0PfiD/vxp/8A8i0f8Ivq/wD0PfiD/vxp/wD8i0AJ4CfWH8NH+3pLuZlupltJb6IR3ElsGPlNKoC4cr1yqnpkA5rpa5v/AIRfV/8Aoe/EH/fjT/8A5Fo/4RfV/wDoe/EH/fjT/wD5FoA6Siub/wCEX1f/AKHvxB/340//AORaP+EX1f8A6HvxB/340/8A+RaAOkorm/8AhF9X/wCh78Qf9+NP/wDkWj/hF9X/AOh78Qf9+NP/APkWgDpK5v4cf8ks8Kf9gWz/APRCUf8ACL6v/wBD34g/78af/wDItc/4B8OapP8ADbw1LF401y2STSbVlhihsSkYMKkKu62LYHQZJPqTQBcj8NInxuk1dbOYW50oTeZtPk/ay/lF89PM8pQvX7vbnNcfo/h7UT4vil1eT7FrcettcS3yeGLqWe4i80lY/t6yGLymhKptIAQYXaCteif8Ivq//Q9+IP8Avxp//wAi0f8ACL6v/wBD34g/78af/wDItAHNeC7BNN8d3Y07S/tVvcLcyz6veaJNZXkTNKriJ55FH2lWJbG0DaI1zng16TXN/wDCL6v/AND34g/78af/APItH/CL6v8A9D34g/78af8A/ItAHSUVzf8Awi+r/wDQ9+IP+/Gn/wDyLR/wi+r/APQ9+IP+/Gn/APyLQB0lFc3/AMIvq/8A0PfiD/vxp/8A8i0f8Ivq/wD0PfiD/vxp/wD8i0AdJRXN/wDCL6v/AND34g/78af/APItH/CL6v8A9D34g/78af8A/ItAHSUVzf8Awi+r/wDQ9+IP+/Gn/wDyLR/wi+r/APQ9+IP+/Gn/APyLQB0lFc3/AMIvq/8A0PfiD/vxp/8A8i0f8Ivq/wD0PfiD/vxp/wD8i0AdJRXN/wDCL6v/AND34g/78af/APItH/CL6v8A9D34g/78af8A/ItAHSUVzf8Awi+r/wDQ9+IP+/Gn/wDyLR/wi+r/APQ9+IP+/Gn/APyLQB0lFc3/AMIvq/8A0PfiD/vxp/8A8i0f8Ivq/wD0PfiD/vxp/wD8i0AdJRXN/wDCL6v/AND34g/78af/APItH/CL6v8A9D34g/78af8A/ItAHSUVzf8Awi+r/wDQ9+IP+/Gn/wDyLR/wi+r/APQ9+IP+/Gn/APyLQB0lFc3/AMIvq/8A0PfiD/vxp/8A8i0f8Ivq/wD0PfiD/vxp/wD8i0AFj/yVPXf+wLpv/o++qbxxpg1fwLrFqIXmm+yvLbrECXEyDfEyAfxB1Uj3ArmbPw5qh+JOsxDxpriuuk2DGYQ2O9wZrwBT/o23A2kjAB+Y5J4x0H/CL6v/AND34g/78af/APItAHHeIPD19B8PfCFjbWhfTrd45NWtp9Olvt5MTHdLbRsryjzmDMozhiGIO2qbeHLVfBtvHd3M11Cmqy3dpYv4OvHsogY9phayO5xGCzup3KAzcdMV3v8Awi+r/wDQ9+IP+/Gn/wDyLR/wi+r/APQ9+IP+/Gn/APyLQBoeGGuH8KaWbzS49In+yRh9PixstjtH7tQOAB0x26VqVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AdJRXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AdJRXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AdJRXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AF9/yVPQv+wLqX/o+xrpK4m20u7034p6R9s13UNX8zRdQ2/bY7dfKxPZZ2+TEnXPOc9BjHOe2oAKKKKACiiigDm77/kqehf8AYF1L/wBH2NS+OLbWrvwbew+GWcag3llVjmELyRiRTIiSH7jMgdQ3GCQcjqMzxHrelaD8SdAutc1Oz023fSdRjWW8uFhRmM1kQoLEDOATj2NO1Txv4K1Kxa3j+IGlWEm5XS4tNXt1kQg5/iLKR2IYEEdqAM3SfF2naTpyxafFrMk0msW1hc6drVxIbiwaYhQd0m9nU/fGHZTk7WA4Gh4g8ftobawsekPeNplzY26xx3Cq05uXVeNwwCN3QnB9V61gyTfDmexvY7v4iWNxf3tzBdSao2r2i3CyQkGIqFAjAXb02YOTkEkmsfxO/g2Xw7fxaf49sdUv9T1Cwlu5rjXbaOQpDOhZlKFAhCAnC46DAz1AOt1H4h3+hW+sR65oEaahpsFvdJBZ33nR3MU0vlArI0aEMGVsqVA6c88T3Hj650WbUYfFOi/Y5rWwF/CtjdfaROhfy9mSibZNxUY5X5gd3WuO8UXHg+48K62LXx7p2t61qa20LXF5rNnHIIYpgwjTy/LRAMyNwAST1PGNfz/hvcpqH9t/EDT9Zkv7QWTTXmsWoeKEEsETy9gHzHduwWJAyTgUAa93471TRGu4fEug29pcrpNxqdotpqBnScQAGSJmMSFGG9MEBgQTzxg0tX8V+MTa+Gbuw0fTrNdU1JY/Im1Is0kTQu6LIRAwQnbklS2CoALBiRT8/wCH1xHef2x8S7TV57nT5dNS4u9Wsg9vDIMSBBGqrubCkswY/KOcZBv6prvw/wBT0fTrFfH+l2b6ZLHNaXVvqtr5sbopQH59yHKswIKkc0AdP4h1+TQdJt5vsf2q+up4rW3tkl2q00hwAXI4QckttzgdCeKzbnxTrdrLY6ZL4ft/7cvpZRDANRzamKNVZpTN5e4D51XHl7t3bb81Uta8T/D/AF7SI7G98c6OrwyRzQ3cWrW6zRSoQVkU527gR027TkgjBxWbcah4FuktJpfijbnVLOZ5YdU/tez85d6BGTZt8rYVVflEeMjd97LEAvyfEa8Vba0j0BX1eTWX0aa1+3ARRSiBplkEhTLRldpJ2hgCcKSNpbH8Q9WS3nur/wAMxQWthqS6bqEiakHKSNKqK8I8seYmJIyd3lkZIAOOaVtd/DW2exlPjvS5rm01J9Ue5k1e233Vw0TRFpMYGNrYAUKBtUDgYqafVPhvcabqVi/jjSRFqOoJqMpGr225ZFeNwF5+7mJeDk8nn0AM+w8S6l4YuvHupw6LHe6VZa41xezG88uVY/s1vv8AKj2EOyqCxDMgPABJzjSvPGR0DVvE9zBa32ptHqenWqWz3o2ZnjiUeSrKBH9/JUnDNk5XPGbdj4c3lzqpf4kWsdnrNyLjUdPTWbTyLn5UXYcgsqkIAdjKSDgk8Yt3t58NL66v55fHGko19fWl9IqavbAK9ts8sL6KfLXI5PXBFAEviDxbevoGu2WsWM2mahpdzp5Y6TqRIkjmnTYVmaJSOVdWUpyARn5sixq3xF1DTZ/EcsPh5J9N8NzIt9ctf7HeMxRyFooxGdzKHOVYqOFwxyQtXVtR+G2sTapJdeONJQ6oLQTeXq9sNv2aQyJtyTjJPOc8dMUl7f8Aw2vtP8S2cvjnSRH4kJN2V1e2zH+5WL936fKgPOec/SgC94l+IOoaPeaqmlaLaX1vpM1rbXMl1qJtnaacptCIIn3KBIhJJBPzAAkc73ibxDLoFlYeRZLeX+o3kdla25m8tDIwLEs+0kKqo7EhSfl4HNeN+INX0U+NdW1rSda0VtWmuUk06/jvtIktkAijQGZ52NyuCrbhFgbfujcST6Pr3ijwD4gsYIZ/Hej2k9tcJc293aarbrJDKnRl3FlOQWUhgQQxGKAFk+IN5Zi+i1PQkgurHUrHT5EjvfMRzcsgEitsBIAcHBUE4xxVrX/iBa+HX1/7da4i0eC0cP56r5z3DsiKS2AgDKMsTgAknGK4uzufBlxceKLPWPHmny2+oXNpcW+otrdqZ2kiRGEi4O1CsiDC7AvGNuK0lk+HEkOrDUfiJZajPqyQC4ubjWrYOrQMzROgTaqFSwIAAGUBIJLFgCwnxet/7N1eQWun6jd6YLWTy9G1ZbuGZJ5hEAJSibXU5yjAcFecEkXL3xJcaT4qs7nxLDLYtDoV9e3NvZ6iZ7ZEieIklTGm+TB4bjHzDnOapXOreCtR0W60zWvinaanDcSQyBp9S09GiMUgkG3yo0HJUZ3A8DjFW9T174bavrKajf8AjHQ5SthPp7Qf2tAI5IpihfI3Zz8gHBHU0AQaL8WrbVLo2/2WxuppdPlvra30bVEv5j5ahjDKiqNkpDAAAupIYbuBnpPBniZ/FejtqB/snZuCj+zNSN4FO0MVcmNNjjcMrg9a5zTfEHhTTLdreP4uQzQC3MECT6lpzfZ+AFdW8vczKBwXLA/xA1NoXiLwHol1f3snxB0rUr/UGT7Rd3ep2gdlRcIuIgi4GW/hz8xyTxgA76ub+HH/ACSzwp/2BbP/ANEJR/wsfwR/0OXh/wD8GkH/AMVXP+AfH3g+z+G3hq1vPFmhwXEOk2scsUupQq8bCFQVYFsggjBBoAis/F+oaOupBbWXWJ7vxZNpltFLdbBEDFuX5mBwgK8gdASQCeDfuPiJd2Wm3n2vQQdUstYt9Kls7e8DI7z+WUZJGRcjbKp+ZV5yOnNURf8Aw1E6y/8ACc6VuXWTrQ/4m9tjzihTb/uYPTrnvRd6h8Nr28u7mXxzpIe71S11Rwur22BLbiIIo/2T5K5HXk4I7AF68+I7aJp2tt4j0yCzvtKmt4hHFfB7eY3GBEfOdE2LuJDFl+UKTz0qgvxehOl6nLBZWGp3un3FnGYdH1VbmGZbmURqVmKKA4O7KsB0HODkSalqfw11WbVJbjxvpKS6l9nYyRaxbq1vJbktFJGc8MrYbnIJABBGQWXGr+CdR0lrDWvijZ6nGbq3uUefUrBGjaGRZFA8tEGCyjOQTjoRQB12o3F8vgnULjVYVs7tbOdpE0+8Z9mFbBSVo1IbGDnZwfXGThWHinVJ4LPS/DWlLqlza6VbXV3LqWomHHmqfLXzBE5kkbY5J2qOhzzgQ+LfiN4TfwlqUOm+ItG1G6uLaSGOCHV7RCS6lQSZJVUAZyec46A9KyUu/BCpaXFr8TbDR9QTTYbC7m03VrPbcrGPlLCVXGVLPhgA2GIz0wAXE8eW9xfP4hs4dQaEeFZdSFnLdBIsxyHKmMKQJMgrvyeOMGtvRPGN/fa7Yafq+iJpy6pYvfWLx3nnsUQoGWUbFCPiVDhWcdeeOedL/CxbVra28ZaPbW50Z9FWKPWICEgc5LAsSS/uSfcGtNPEfw8j1TSL9fG2jebpNnLZwA6tb7WSTytxbnk/uVxjHU8egB3dFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAHSUVzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAHSUVzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAHSUVzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQAWP/JU9d/7Aum/+j76ofHV5c2cfh/7JcSwedrtpFJ5Tld6Mxypx1B7jpWLZ+PvB6/EnWbpvFmhi3k0mwjSU6lDsZlmvCyg7sEgOpI7bh6ir2s+K/h9ri2Iu/GuiJ9hvYr2PytVtxl4zkA5J4556H3oAh/4WLfq1zdv4eRdItNZOkTXX27Mu8ziFZEiEeCm5kzl1IycBsAkvviJqFpJrdxH4fSXS9C1BbO8uTfbZGBETF44/LO4qJckMyjgYJyQKjah8Nn0W80w+OdJ8m81QapI39r224Si4WfaOcbdyAYxnGec80T6j8NrjS9esH8caSItdujd3JGr225HKRphOeBiJeuep/AAXxH8X9O0DWdTtm/swwaQ6JeC51VILqQlVdvItypMu1WHVky2VGcZrf0jxTf614u1XS7XSIk0/SrhYJ7+S8w0heBZV8uIIckFwG3MoAIILHKjAm1nwQNau9R0n4n2ekG+dZbu3tNTsXimkVQm8iVHKsVVFO0qDtBxnJN/TPFXw+0nUtWvrfxrorS6tcrcziTVbcqrLEkYC4IwMIOuec0AS674itfDvjC+vr+TUDbWWgNdSQxTbomCy/wAMOOZD0DbunGO9V9R8Watbwz6b4l0ddKlvtLubi0l07UzMwMSZdCxiXy5AGBBAccHnjnEvPEvgvxH4z1b+2de0NNGl0j+zGM2sWv8Ape9yzFAkpZQBgZbacngcZqaC68AFmk1b4m2uszCyksYJb7V7PdbxyACQr5aoCzALlnDH5evJyAaNj4y1Zv7M0jQtE/tK4bQbbU2nv9T8v5X3LtZxExaQlRztwcnO3Az1nh3WofEnhnTtatY3ihv7ZLhEkxuUMoODjuM1yOla38OdH1OC+tvG+jtLBpcOlqJNWtypiiJKscEfN8xyensKp6FrXg7Qb/TILT4haP8A2NpGlixtrdtahLTuWGZJVBC5VUUKQP436cZANfUvO8R/EqXw/cX15a6Zp2mRXrw2V09s9xLLJIg3SRkPtUR/dBAJbnOBWba+JbrwlrmraJM9xqtpDqmm29m91cFpYEvGCFWkYFpNjBmG7LEMAW4BqbWdd8BarqsGq2vxC03SNThjMP2yx1W03SRE58t1kDoy55GVyD0Iyc1HuvhtLoV1YS+PdNe5vLuO+m1NtYtvtTXEbK0cmfugrsQBQu0BQNuKAL/jfxjq1hpXiaHQLaGO80eK2kFxNPjKy7skL5bDI24weDnORjl+v/EWTw7fWelalFoVnq01s11Mt9rgtraNN5VQkrRbnZsHjywBg5PTOT53w5l0/XLe/wDiLZX0uuQpFd3U+s2okGwMEZAoVUI3dAu35Rxyczz6v4KmuLa9j+KlrBqkMDWz6jFqdh5lxEX3hXQoYuD0IQEc88nIBoaZ8RJ/EN9pFv4c0ZLhNS04ag0t1eCFYEEnlsp2o+4g9McH1A5q98SLy5sfCkM1lcTW0p1SwjLwuUYq13ErLkdiCQR3BIrOtfEvgK316HWJvH2k3V9FYfYWkm1S1AkXeHLsE2jdkdsD2puv+IvAfiKWzF78QdLjtLWeO4azh1S0Ec7xuHQuSC/DKDhWXPfNAFjVvHl/ZRa1qOn6Cl5o2gyMl9cPe+VO3lgNMYYvLIcIp/idMkEDjBNC58a/2Jqfia8tba+1TbqWm20du96Nh+0RxKPJVlAjHz5Kk4Zsklc8VNQl+HWoXGoj/hY1lbafqsgk1DTINYtBBdNgBskgyLvCgNsdc/Uk1NeXfwzvbm+mfxvpKG9vrO+kWPVrYKr22zy1UdlPlrkcnrgigDTuPH19pun+IDq2hxx6hogt5HitrxpoHimOFlMpiVlVcOXOw7VQtz0rpPD2qvrWiQ38jac4mLbX0y9+1wMASMrLsTPTnjg8Vydx4i8DPqWpahY/EXTdPvNRjgjkmt9Ts2MaxFyu0SBhzvYHIPbGKzrLVvB2majpv2H4i6R9liu7jUNQlfWYFlv55F2gOse1NnzFjgDlE46mgDp9durqH4i+E7eGeZLadL3zolchJCsaldw6HHJGaxdU8VXXhvxR411CVLi+tdO0/TZIbPziq7nedW25yFJ+XPrgZqxr/iTwBr62jt480mxvLGbzrS9tNWthLCxBVsbyykMpKkMpBB6ZAIzHuPhvcaJqthffEDTrybV2Rr2/l1e18+TYRsA24RQAMAKgHU9STQBZ8T+L9Qi8O+KLDW9Mm0u6s9GOoxSaXqfztES64EpiHlyAp2VwMjBNal54w1NbnVIdA0SPUY9EhRr17m+MDM7RCXy4gI2DtsKkligy4GeuMvXtT+G/iJ9Sa98caTGdS0w6ZN5Or2w2xFmbK5Jw2WPJyPaq+oXnw/vL6+ubT4lWemLqcKQ6hDZ6vaBLoKmwElwzI2z5S0ZQ4C85AIANN/iHfX980PhfQY9QjGjW+sLNdX32dWil34TAjc7/AJBjjafmyy4G7rdF1WHXdA0/V7RXSC/tY7mJZBhgrqGAPvg1xlnrPw1sNTnvLPxjokPnadDpohXVrfy44Yi+zaM5z+8I5J6Dj1vaJ4x8A6DoGn6RZ+NNDe30+1jtYml1WAuyooUFiGAzgc4AoAvX3/JU9C/7Aupf+j7GukribbxHofiD4p6R/YOs6fqfkaLqHm/YrpJvL3T2WN20nGcHGfQ121ABRRRQAUUUUAc3ff8AJU9C/wCwLqX/AKPsa37q6t7G0lur2eO3t4ULyzSuESNQMlix4AA7msC+/wCSp6F/2BdS/wDR9jVf4lWl1d+CZPslvLdCC7tbme3hUs80MdwjyKFHLHYrfL3xjvQBpaR4t0jXLoW1jJdJM0RmjS7sZ7YzIMAtH5qLvA3LkrnG5c9Rmx4g1y28N6Dc6tfJLJb2wBdYQCxywXgEgdT61zmsfEbw5P4W1K70LVxqj29k1y/9kyCR4UGBl3AZYvvZ+cZwrkA7Djzi41me88N+OrBL6K606KysJ7cQa1NqsSu8zq5S4lUMQfLXKjIBU45JFAHvlFecJqNlL8QNWg8S+Ib7TtUg1GCPSdPhvXiEtsUjKlLcHbOHcyh3KsVwRlNgIyIPFrRaXaaLPrcza9H4u8m4tvPdp0tzfnbvHURGNkAJ+UhlUdQKAPTNF1y212K8ktElQWd7NZSeaAMvE21iME8ZHHf2FXJru2tpYIri4iikuH8uFHcKZW2ltqg9TtVjgdgT2ryI6zFpeg38FzK8EV74s1GNpn1NtNt12tI+JbpFLxglflC4LNhSdpIOXFcQ6poPhTUvFWqXMNpZeJb20e8/tieNIoAlyseZ9yE8hFErAMwOD94ggHtVjrFjqV5f2tlP5s2nTCC6XYw8tyiuBkjB+VlORkc1dryTU9bvYbvxEkuq3kGjp4ktLa7uknbNpZtaRMxV85iUuVBcYwHZsg/MKmp6tcx6J4nHhTxDfz6JHd6QljqUd810Y5pLpFuEjncuXXaY8gllBdlxgkUAezUVxnhmKXSPiDruhxX19c2EdhZXcSX13JctHI7To+HkZmwREpxnAPQDJz2dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/AJJZ4U/7Atn/AOiErpK5v4cf8ks8Kf8AYFs//RCUAXLHxZompXmrWllfrLcaO2y+i2MGhOCehHzDg8jI4NX9N1C11fSrTUtPl860vIUngk2ld6OoZTggEZBHBGa8durefSYfFPi/To3kfT9ZvoNRiTrNZOibzjuYziQewcfxVY0bUrKLR/Bdl4s1ubRtCPhS0ltpF1B7COe52KHVpkZSSqbCE3AHcxwccAHsdFcz8O7rUbzwJYTavJPNMWlEc1yu2WWASuIXcYHzNEEJJ5Ocnk101ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc3Y/wDJU9d/7Aum/wDo++rfubmGztJrq6kWKCBGkkduiqBkk/QCsCx/5Knrv/YF03/0ffVn/Eua6u9IsfDemwxXF3r12LZopZTEjW6Ayz7nCttBRCmdp5kHBoA6bRdasPEOjwapo8/2izn3eXJsZCSrFWBVgCCGUgggEEVerxrVdZ13wvZ+MtMvIotOurwRataLp94ZAkUsqQ3O2Z0j2EN85cgBPN3E8Zqn/bJh8L6/rWj6vfPp0uo2MAtz4mW7mtbfcgmzN57xwF8vhjID/tLkAAHuNFeJ2dxNc+GJLrSvEOoLb6n4qs7aER6+b6a0tiUQxNIJZEViS7YDHh1yTgAXfGdzc6V4sOj3OqJp2lRaYh02bUvFNzpvmSs7iV/OCu1w64i+V2woIODuyAD1+ivCvGGv6mJhput66Yr6Xw9bfYdQsdeTTbRbyTzBJcHMsbTJxGflVwACAoLczfErxPLosV/a6XqM0OoaLp8Etq9xr88DykLu3xW6q32xcL87SsedwJABNAHsk+qWNul40t1Fmxi825RW3NEmCQWUcjIBI45xxT7C+t9U022v7GTzba6hSaGTaV3IwDKcHkZBHBrzWWLTNM+Jfi9n1K5tdUm02O5sYJNUmUz/ALqbeyRF9rhSpxgEJjjbVK01u2m/sCLx14iutK0yXwzaXNrO2qSWQu7lh+/ZpldS7qPLIUt/GTg9QAev0V5L4eOseItb8M6f4i1PV4o5dBu7maOK5ktJLjZcxLC8nl7WVtjBjjacnB4JB6jwJ4iU+FtBstYv5LjUrz7TDA8qszziB2UszAYztC5LHk+poA7KivKvilr507xLb2d9dXsFnJpUzW4ttaj0sfai6hWaR5ot4UD7oLbd2ShyMWdF0+4ufGWi6Xea9qF3a2vhu3u3Nrqkxiu5/NIMpcNudTkkZOCMZBAAAB6ZRXjUOtvNHaTw6/fP46bW0in0b7fJgRfaNskZs92xYhb5bzNmeA+7PNWdS8Wmx0nxFpM+tzR64viSMQW3nv8AaEtnuIGBVfvCIxsRn7nJGecUAeuVSstYsdRv7+zs5/MuNOlWG6TYw8t2QOBkjB+VgeM9a8f1vW1E3jbPibU4PEVnquzQLCO/kQSP5UDJHHCCFnDSNhkIcAHOF3EnR8Q6pq5uvFMEWq31oyeI9HtomgnINukiWu9UzkAEuxIwQcnIOTQB65RXkXiK9v8Awxa+MNO03UdSeztzpcsfnX7vLCk8pjuAtxM+YwUQkMzgISSCvWtHwHrel2Nlreuz6zcSaZc6hBbWkE+stqr2oYJGqMUklVS0rE8MThhk4GAAemUUUUAFFFFABRRRQBzd9/yVPQv+wLqX/o+xrpK5u+/5KnoX/YF1L/0fY10lABRRRQAUUUUAc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NdJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/klnhT/sC2f/AKISukrm/hx/ySzwp/2BbP8A9EJQB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN2P/ACVPXf8AsC6b/wCj76ukrm7H/kqeu/8AYF03/wBH31Q+N7+7SXQtGsrmWzGt6h9kmuoTiSOIRSSsEP8ACzCPaGHI3EjBAIANjXtDt/EOlGxupZoQJYp45YSN8ckbh0YbgVOGUHDAg45BrCk+HdrcSzXd5rWq3OqvJA8epyeQJofJLFFVFiERA8yT7yHO8+i4s3NvD4I0i9v7S7uZoCEzHrGsMYIWyR5jTzl3RTlQQCw+UbUyTnkLzxjD4y0vSJoltRJYeLbS0layvBdQSEYcNHKFXcpDj+EEEEY4yQDvdC8ORaJcXt099d6jfX7I1xd3flh3CLtRcRoiAAZ6KDyc5rYrlNM8W6nqzzXtnoUbaGs88Ed217tnYwllZzCUwELxsoIctgqSoBOF0vxt/aVh4Quf7P8AL/4SaPzNvnZ+zf6O02M7fn+7t7dc+1AEureDE1LUr68tdb1PSzqECwXkdmICs6qGAyZYnZThiPlK+vXmt6xsrfTdPt7Gyj8q2tYlhhjBJ2IoAUZPPAArzLwr4qPhj4Q+F3H9lJ51q2JdW1ZLCHgn5FYq5ZznIG3GAcsOAb1j4413XvFXhaXQ7O1Gj6xo8t88N1dFJBh4AScRN8yByAA2H3HJXAyAejUV55oXi24isIdP0q0udT1O+1XUooU1LUDtRIJ2Ds0ojJVBlQqBGI3KOgLVYm+I15HawQpoAk1dtbOiTWYvQI45fIaZZBKUy0ZUIc7QwDH5SV2kA7uqrabaPqyam8Ia8jhMCSkklEJDMAOgyQuccnaM9BWZ4Y8Qz64upQahYpY3+l3htLmKKczRltiSKyOVUkFZF6qCDkY7nlU+MOmPr6WqnTDZvqf9mKBqqG+L7/K8z7IFyI/M4zv3bfm244oA6nVPC32/XP7XsdZ1HSL1rZbWV7MQMJY1ZmUETRSAYLtyuM55zgY0NE0ez8P6HaaTpqMlrZxCKIMxY4Hck9T3rnLDx3Pe+JpfDx0WSLU7NpXv1aU+VBbj/VSrJsxJ5mVwoAIxJnGzmroHxD1HVLbw5qGpeHUsNM8RER2sqX/nSxymNpAJI/LACMEfDBifu7lUkhQDu6K8+i+J06eBm8U6po9vYWUzpDYrJqQ3TStJ5Y8xigWKPdyXLEhQTtz8pjg+LME+k6tNDb6bd3Wly2ySvYap9oslSdiFle4EeUVdrl8p8oXPIOaAOz0jQrbRrjVJrV5XbVL03swkIIVzGkeFwBgYjXrk5J5rSrhtS+IM+nWWiyNBoe7VVlYXkmtFNPXaRtRbnyTvdwchdgztfBOOWXHir+xPEfiYtDfXlysmn29vaG73QvPOCiJGCoESliCzEnPXHGCAdTr2hweINOS1nnntminjuIZ7crvikjYMrAMrKcEdGUj2rO0/wRp9rqEmoaldXesahJPFMbq+KBsxK6xDZEiIQvmOwypO5s5yq4ydT+IV7oFrrS69ocUV/plimoJDaXxmiuYWcpxI0aFWDAggrjkc88a+j+JNQuvE0+ia3pEen3K2aXsLQ3fnq8ZdkKsdi7XBAyBuXnhjQB0dFFFABRRRQAUUUUAc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NdJQAUUUUAFFFFAHG+I9XttG+JOgXF5HeSI2k6igFnZTXT586yPKRKzAcdSMdBnkVe/wCE80j/AJ8/EH/hOah/8Yovv+Sp6F/2BdS/9H2NaHiTXrbwv4dvNZvYZ5oLRAzx26hpGyQMKCQM5PcigDP/AOE80j/nz8Qf+E5qH/xij/hPNI/58/EH/hOah/8AGKlt/Gel3a+HntfOlj8Qsy2jhAAhWJ5SJATlSAjDGCQ3BrfoA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8Yrb1LULXSNKu9S1CXybSzheeeTaW2IilmOACTgA8AZqeORZYkkjOUdQynHUGgDnf+E80j/nz8Qf+E5qH/wAYo/4TzSP+fPxB/wCE5qH/AMYrpKw9D8RnWfD93qa2Mim2ubu3FvE4d5PImeP5c7RltmQO2cZ70AV/+E80j/nz8Qf+E5qH/wAYo/4TzSP+fPxB/wCE5qH/AMYqWTxlpg8I2HiKET3FpqP2cWscKgySNOyqi4JAzlxnnjB9K0tL1L+04rh/sV5Z+Rcy2+27i8sybGK+YvPKNjKt3HNAGR/wnmkf8+fiD/wnNQ/+MUf8J5pH/Pn4g/8ACc1D/wCMV0lFAHN/8J5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/AAnNQ/8AjFdJWZ4j1pfD3h671NovPaFQIoN+3zpWYJHHntudlXPvQBnf8J5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/AAnNQ/8AjFaOm67BqOranpgikhu9MeNZ0cDDB0Dq6EHlT8wyQDlW44qnoXi638QyW32HTtSS2ureW4ivJYAISqSiMDcGOGfO9R1K5PHSgCL/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKKAOb/wCE80j/AJ8/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/GK6SigDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKKAOb/wCE80j/AJ8/EH/hOah/8Yrn/APjTS7X4beGreW11xnh0m1RjFoF9IhIhUHa6wlWHoQSD1Br0Sub+HH/ACSzwp/2BbP/ANEJQAf8J5pH/Pn4g/8ACc1D/wCMUf8ACeaR/wA+fiD/AMJzUP8A4xTdL8eaTqur67pkCXMd1oZbz0lQDzVGctGQTuGRjnBBxkcitjRNVg17QNP1ezSRLfULWO6iWUAOquoYBgCRnB5wTQBk/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MV0lFAHndn400tfiTrNwbXXNkmk2CADQL4uCs14TlPJ3AfMMEjB5AJ2nFzX9d8OeI9NFpe2viWJo5Fmt7i38PagktvKv3ZEbyDhhk9QQQSCCCRWpY/8AJU9d/wCwLpv/AKPvq0NX1+10W90uC+jmCalc/ZI51UGOOUqSquc5G4jaMA8kDjNAHC3T6PqFns1LVvHV3dJcQ3FveP4fule2eJiylI1tBF/E2S0bEg8n5V2ttofDEG9ppfGN3NJq0WryTT+H7zc88aKgzttQApCAkAD2wMAd7pGu22t3GopZRzeXp901o07ABJZFA3hOckKxKkkD5lYDOK06APOdNvNC0nUnlsrnxklg1xLcjSv+EfvPsySSZLkYtfM2lmZthcqC3A4GKWj23hvR7zSZku/G11Dou8ada3Gg3hit0aNoymFtQXG1gAXLMNowcFg3qdFAHldta+GtPh0ldKuvGlhLpdm9ik8Ph+7LywO6uyPvtGA+ZAdyhW96lso/DWmQ6AulzeMLR9Ct2tYJE8O3bNNCxQtHJutSCCY15UKeOCK9PooA8v8AJ8MRQW/2CXxjY3dre3N7BeweHrwyxtcOzSphrVkZCW6Mp+6pzkZqWA+FoEsiyeLJri11U6tJcyeH73zLq4MbRlpMWwGNr4woUDaoGAMV6XRQBxOmeIfD+lahqt3b2/iVpNUuhdTB/Dt+QrCJIsLi3GBtjXrnkn6Vn2N9pOlai82laj40tLGS5e6bTE8N3D2+923yAF7MyKrMWYgOMFjjA4r0aigDzCBPC9lqKarax+LP7VWS4kmuz4evfMvBNjdHL/o2Cg2x7QANvlrgjnOT4Ci07SvDnhg+ID4wluNItlaPTJ9Cu5ILS4MZRmUrbbmIDOBudlXcdoAC49looA83SXwtH4Mt/DaReKxb2rLJb3I8P3wnhkWTzEkDC3xuVsEZBBxggjINhNdiXT5bZvEXjh5XdWW6bwtJ5kYHVQBY7MHvlSeOCK9AooA8udNC/sF9HttR8aWtpcGdr1YvDU5N60zFpWctZHbks3EewAHgDipLqHwfcxaigtvFUAvVtdjQ6Bfq1q1t/qXiP2fIZSAedwOORjIPptFAHl1xB4av7DVodYufGWpXOq262s19P4dullSFSWWNAloqKNxY/dySeScDG7/wkegf8JL/AG39m8S/afsn2TZ/wjt/s2b9+ceRnOff8K7SigDm/wDhPNI/58/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/ABiukooA5v8A4TzSP+fPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/wAYrpKKAOb/AOE80j/nz8Qf+E5qH/xij/hPNI/58/EH/hOah/8AGK6SigDibbXrTW/inpH2KHUIvJ0XUN323Tbi0zmeyxt85F3dOcZxxnqK7aubvv8Akqehf9gXUv8A0fY10lABRRRQAUUUUAc3ff8AJU9C/wCwLqX/AKPsah+Jlnc3/wAOdWtrG3lubiRECRQoXZv3ingDk8Cpr7/kqehf9gXUv/R9jXSUAeV3Hh/VdG+Mvh+CxsJpvD09/dams8UbMljM9rKkqOQMKru6OucZZnArL8JeH9Ri8RabNrEhstct72SW8uIvDF2ZrsZfKSX4kaJ42UggdBhAApUAe0UUAeKQeGEuvC3i/RNN8Px6lDPo87W+pXmgyWN5NcneYklaZR9okzhvNULtZeRlgas65pMU9v4ZbTNEjt/DUNvcLNY3Pha4uY47s7NrvZJ5bkkCUCQqygk93Br2Korq7t7KAz3k8VvEGVTJK4VQWIVRk9ySAPUkCgDyZNBitI/Cq+KLa98SeHLa1vVWI6FcMsM7SIYd9oQ8gVIvMjQsDtAHI3DPXfC6xuNO8EfZ7qxu9Pf+0b51t7zJlRGupGXccnd8pB3ZIPUE5zXYUUAeX6DoGpweOo/D09hcxaBoN9carZ3JUiGbzh+6hU9zG0s+R22x+tZGp6HrD6ayzWDnTP8AhKdQuLy3udKlvUljZm8mRrZGV5o92CMZGdrYIXI9nooA8ki0q98O+FrDxDpMd3q0ulapNNFYWuiz2TJbTr5ckEVvITIEDlZBjjC8DAqfQfDepWOt6b4e1C3un03SHfWGvPLZkkneELsVgMFvOluZdo6YXjpXqlFAHnPwx05dJ1C+srHS1NilvGRq82iy6dd3D7m+SfzQDO+3DGUADJPGTWt8TCI/DVhcyrut7XWtOmn56Ri6jyfcDIP4V2FVtS0601fS7nTtRhE9pdRtFNGSRuUjBGRyPqORQBwPxEsNastci1LwtZ3E9xrlk+h3ElvGW+zMx3Q3L46LHmXLH+8KTXfDup2evxWnhK3mh+y+Db2w0+4AISKbfAIV39A3y5Gf7pPavR0QRxqi5IUADcxJ/Enk0tAHjfhXwZb6q1xZSf8AEuiu9Gmsr60h8LXWnifeEAeWaV2SWVDkhgSx3OckZNR/8VdcWY8QSaVqEWtXlv8A8I68ZhchMwg/amUD7guPMw3Ta4OcHj2iigDk7nQvEWm6DPpvhrUdPgsrfTWttPthYus8brDtjPnGbb98A/6vpx71yvhnSrT/AISPwtP4Z8O3+j3NrFL/AG7Pc6fLbGZTCRslkdQLlzNsYMC/3WbPPPq1FAHjvg7wfJoui/Dm/tNGms9X3GLVbhrd/OEZtJflnJ+bYHWIBWOFwgGMCvUtJh1mGOQa7f2N65I8s2di9sFHfIaWTP5itCigAooooAK5v4cf8ks8Kf8AYFs//RCV0lc38OP+SWeFP+wLZ/8AohKAOF1Dw5q8Gn+IfEGladO2rWGtXk0MBjYNfWckaLLGox82QNy4zl41x3pNP0qK3sfCK+N/D15qOkQ+GLWCO1bS5L1bW8VV8zzIFRmVyu0BivG1xkZOfX6KAOZ+HdlqGneBLC21WOaKVGlMUNw+6SGAyuYY2OTysZRcdsY7V01FFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc3Y/wDJU9d/7Aum/wDo++qbxxpg1fwLrFqIXmm+yvLbrECXEyDfEyAfxB1Uj3AqGx/5Knrv/YF03/0ffV0lAHlXiDw9fQfD3whY21oX063eOTVrafTpb7eTEx3S20bK8o85gzKM4YhiDtqm3hy1Xwbbx3dzNdQpqst3aWL+Drx7KIGPaYWsjucRgs7qdygM3HTFew0UAZfhhrh/Cmlm80uPSJ/skYfT4sbLY7R+7UDgAdMdulalFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzd9/wAlT0L/ALAupf8Ao+xrpK5u+/5KnoX/AGBdS/8AR9jXSUAFFFFABRRRQBzd9/yVPQv+wLqX/o+xpPiBpd1qfgu7OmLnUrEpfWP/AF3hYSKP+Bbdv0Y1X8RXy6R4+0TUrm01Ca0XTL+BpLLT57rY7y2jKGESMVyI3wSMfKas/wDCeaR/z5+IP/Cc1D/4xQByGpapaeNZNV1uGFLvStI8MyNEjudkk93D5jKdpBysKoM5BAmOMdaJfHmqWy2ulaBapB9i0a1uXUaNe6gJnkQ7IlMJ/dKAn33LE7uB8pJ1NNvPBWj6Fe6Npmha7baffPK9zAnh7UsSGUYc58nIyOOCMDGMYqO7m8GXclvJ/Zviq2ltrdbVJbHS9YtXMS/dRmiRS4HbcTjJx1OQB91471pI54k0uK0v73TrK60m2u0ZWEs7iN4phkEmN2UtgLhT7ZpLjXG8c6FrliIoU0pvD6STMwbzEuJkdtm7OBsUKSMZy454qxdat4SvdS0vULvSfEM15pIYWcz6DqZaPcAGyfK+fOB97PIB681majd6FB4P1zSPCtjrmnz6wZWllfQNTYLJKAjycwk5CjhRgfKAMDoAdt4Vv5tV8G6LqN0cz3dhBPIR3Zo1Y/qa1q5Sy8Y6FYWFvZ21j4gWG3iWKNf+Ec1DhVGAP9R6Cp/+E80j/nz8Qf8AhOah/wDGKAOkorm/+E80j/nz8Qf+E5qH/wAYo/4TzSP+fPxB/wCE5qH/AMYoA6Siub/4TzSP+fPxB/4Tmof/ABij/hPNI/58/EH/AITmof8AxigDpKK5v/hPNI/58/EH/hOah/8AGKP+E80j/nz8Qf8AhOah/wDGKAOkorm/+E80j/nz8Qf+E5qH/wAYo/4TzSP+fPxB/wCE5qH/AMYoA6Siub/4TzSP+fPxB/4Tmof/ABij/hPNI/58/EH/AITmof8AxigDpKK5v/hPNI/58/EH/hOah/8AGKP+E80j/nz8Qf8AhOah/wDGKAOkorm/+E80j/nz8Qf+E5qH/wAYo/4TzSP+fPxB/wCE5qH/AMYoA6Siub/4TzSP+fPxB/4Tmof/ABij/hPNI/58/EH/AITmof8AxigDpK5v4cf8ks8Kf9gWz/8ARCUf8J5pH/Pn4g/8JzUP/jFYfgrxZZaR4B8P6bqGn+IIbuz0y2gnj/4R2/bY6RKrDIhIOCDyDigD0Ciub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoA6Siub/4TzSP+fPxB/wCE5qH/AMYo/wCE80j/AJ8/EH/hOah/8YoALH/kqeu/9gXTf/R99XSV5/aeLLKLx9qupPp/iAWlxpllBFJ/wjt/8zxy3TOMeTkYEqckYO7jocbn/CeaR/z5+IP/AAnNQ/8AjFAHSUVzf/CeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wAJzUP/AIxQB0lFc3/wnmkf8+fiD/wnNQ/+MUf8J5pH/Pn4g/8ACc1D/wCMUAdJRXN/8J5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/AAnNQ/8AjFAHSUVzf/CeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wAJzUP/AIxQB0lFc3/wnmkf8+fiD/wnNQ/+MUf8J5pH/Pn4g/8ACc1D/wCMUAdJRXN/8J5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/AAnNQ/8AjFAHSUVzf/CeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wAJzUP/AIxQB0lFc3/wnmkf8+fiD/wnNQ/+MUf8J5pH/Pn4g/8ACc1D/wCMUAdJRXN/8J5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/AAnNQ/8AjFAHSUVzf/CeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wAJzUP/AIxQB0lFc3/wnmkf8+fiD/wnNQ/+MUf8J5pH/Pn4g/8ACc1D/wCMUAdJRXN/8J5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/AAnNQ/8AjFABff8AJU9C/wCwLqX/AKPsa6SuNtNVj174k6ZdWFnqiW9rpN9HNLeaXc2qKzzWhRQZY1BJEbnAz9012VABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB//Z)

Q: **Difference between ABAP CDS and HANA CDS?**

A:

![A table with text on it

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4REkRXhpZgAATU0AKgAAAAgABAE7AAIAAAAeAAAISodpAAQAAAABAAAIaJydAAEAAAA8AAAQ4OocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEdpcmlzaCBOYW1kZW9yYW8gQ2hhcGxlIChNQVMpAAAFkAMAAgAAABQAABC2kAQAAgAAABQAABDKkpEAAgAAAAM0NwAAkpIAAgAAAAM0NwAA6hwABwAACAwAAAiqAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAxOTowNjowNCAxNzoyMzo0NgAyMDE5OjA2OjA0IDE3OjIzOjQ2AAAARwBpAHIAaQBzAGgAIABOAGEAbQBkAGUAbwByAGEAbwAgAEMAaABhAHAAbABlACAAKABNAEEAUwApAAAA/+ELMGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMTktMDYtMDRUMTc6MjM6NDYuNDY5PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPkdpcmlzaCBOYW1kZW9yYW8gQ2hhcGxlIChNQVMpPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMABwUFBgUEBwYFBggHBwgKEQsKCQkKFQ8QDBEYFRoZGBUYFxseJyEbHSUdFxgiLiIlKCkrLCsaIC8zLyoyJyorKv/bAEMBBwgICgkKFAsLFCocGBwqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKv/AABEIAN4CmAMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APpGiiigAorkr2PVdX8fahptt4i1DSbSz0yznWOyitm3vLLcqxYywuekKYAIHX1qz/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLQB0lFc3/wi+r/APQ9+IP+/Gn/APyLWRbaZr03jTUtIbxxrgt7XT7S6Rhb2G8tLJcKwJ+zYxiFccdz14wAd3RXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AdJRXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AdJRXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AdJRXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AdJRXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AdJRXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLQB0lFc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i0AdJRXN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItAHSUVy3h86lZ+NNY0i/1u81a3h0+yuoWvIoFeNpJLlXAMUaAgiFOoPf1rqaACiiigAooooA5ux/5Knrv/YF03/0ffV0lc3Y/8lT13/sC6b/6Pvq6SgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm7H/AJKnrv8A2BdN/wDR99XSVzdj/wAlT13/ALAum/8Ao++oA6SiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDm7H/AJKnrv8A2BdN/wDR99XSVzdj/wAlT13/ALAum/8Ao++rpKACiiigAooooA5ux/5Knrv/AGBdN/8AR99XSVzdj/yVPXf+wLpv/o++rpKACiiigAooooAKKKKACiiigAooooAKKKKACiimysyQuyIZGVSVQEAsfTnigDhJvilBD8U08JHS3No0wtG1XzhsW6MXmiHZt5+XHOepxisfxT8ZNS8P+K/EGmWHg59UsvDsUM2oXy6kkRjSRFcERsuW64wCenauQn+EnxGn8Jy6sdehTWX1P+3RoX2OE7bzfxi6354XH+z296r+N/hl4k8Q/EPxDrEngIaqmrW1sLK6fWktv7OlFuiOxVW/eYYdOny8ZzQB6r4y+JC+GfCml6tp2kS6rdaqA9tYeaIXKCFpnYnDY2ovIweSBVbxR8Uho/hLw1rOg6M2tSeJLmC3s7U3Qt/mlUlQXKkA5wvOBzyRiubufh/8QNa8RaG83iCPST4f0ZLZNSa1ivftdzIu2chHYYG0Ku5gCfxNYLfCnxVdeDdA8H61pw1DTdH8UBmnFykYn005LPgPuU/Mw2j5hkYzjNAHqXgHx43jP+1bW+0iTR9U0e4FveWjXCzqrEEjbIvDdD27Vjf8LW1LUdcvovCngu/13R9NuTa3mpw3KR4kX74jiYZlxnsf6Z7Hwz4S0LwdpZ07w1p0VhbF97KhLF26ZZmJZj9TXnXh/TPiL4CvNT0LRfD1hrOlXmoy3Vpqkt+sP2ZZGyRJH958f7OPr6AE938X9eXWvEEOleAbjVNL8P3T295ewalGJBtGSwhK7jxzgE/Wrmq/GBDLoVv4N0GXxDd61ZG+hha7jtNsQOCMvnLghhtHoa5630v4keHPEXjSDQPCVvdweINQknttUuNTiSOBWUgMYuXbrnHFQ+Ivhxrdn4K0XwpbeD7DxTBZaf5cWpLqAs57G7ZmLyAty0fKEKOTtOe1AHs+mXj6hpNpey2s1m9xAkrW04xJCWUEow7MM4PuKtVi+DtO1PSPBek6fr139s1G2tUjuZ95fe4HPzHk+mTyetbVABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN2P8AyVPXf+wLpv8A6Pvq6Subsf8Akqeu/wDYF03/ANH31AHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcv8RfGY8AeCbrxCbD7f9neNfs/neVu3uF+9tOMZz0qXVPFv9m/EDQvDP2LzP7XguJftPm48rylBxtxznPqMe9Y3xo8Nat4u+FuoaP4ftftV9NLCyReYqZCyKTyxA6AnrXN/8KmtvBfxI0fXfh74c22ttY3v2pftpbzJjHiFP3smRk5GRgDPJFAHRWHxSgvfihJ4T/sx47Uyz2tvqhnBWe5hRHliCbeNofrnkjp6Jo/xVttS+K2peCrnTWszbM8dretOGF1IiqzoF2jaQGz1OQO1eeR/CX4i6X4b0jVodeTUdU0/UE1b+w/skMTfaJHBmU3W/wCbhmzk7SBgdq6O5+HOt30vi/UI7cWmpnWotX0GZpVO6SOMDDbScK3zIQcdc9qAOhj+KAk+FcHi9dIZrm7uTaWumLcjM032loFUSFRjJXd04GeuK3/BPiqHxp4Rs9bht2tGn3LNbM24wSIxV0JwM4IPOBkYNeT6f8OvHl/4X8FaGzr4b/sme71O6u2WG8EVyZ3aBRHvwxCuxzyBn1GK7D4W+FfE3gzV/Emma7ONS066ulv7TU0SOESyyD98vkqx8v5gOAMdSOuKAH6r8T9SPinUNG8G+D7vxL/ZJVdRuI7pLdYXPOxN4/eMB2GKoXPxc8QS+KNa0vw98P7rVoNEWBryVdRSKZBLHvA8llyW4YbVJPy9s1DFpfj7wN4y8Ry+GPDtp4i0vXrz7dHJJqC2z2krDDbw3LLx0Xt37VRt7D4k+F/iJ4u1PRvCFrqq6+LQx3janFDDC8cJDHyyd7Luc8cH5e+c0AbV/wDGi2m0vw3N4R0SbXL3xGsrWlpJdR2u3yjiRWd8jcDkADOcfTPf6LqE+qaLa3t3YT6dPNGGktJ/vwt0KnHXnv3HNePX3w61zSfhzo/hifwjp/jVFWaW6k+3CzltrmRy5aN2/hG7HGCdvTnFek/DrR9Z8P8Aw90nS/E159s1O2iZZpvML9XYqu49dqlVz7UAdNRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzdj/yVPXf+wLpv/o++rpK5ux/5Knrv/YF03/0ffV0lABRRRQAUUUUAc3Y/wDJU9d/7Aum/wDo++rpK5ux/wCSp67/ANgXTf8A0ffV0lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN2P/JU9d/7Aum/+j76ukrm7H/kqeu/9gXTf/R99QB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN2P/JU9d/7Aum/+j76ukrm7H/kqeu/9gXTf/R99XSUAFFFFABRRRQBxNzql3pvxT1f7HoWoav5mi6fu+xSW6+Vie9xu86VOueMZ6HOOM6X/AAlGr/8AQieIP+/+n/8AyVRY/wDJU9d/7Aum/wDo++qbxX4lfw7DpqW1pHd3mqXyWNrHPceRF5jKz5eTaxUbUbGFYk4GOcgAh/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSq07DU5Whto9cit9N1G4d0S1F0sglK5JMbYUuNo3fdBA6gUtxr+j2cLy3erWMEaSPE7y3KKFdFLupJPBVVLEdQASelAGX/AMJRq/8A0IniD/v/AKf/APJVH/CUav8A9CJ4g/7/AOn/APyVWjH4l0KbS49Ti1rT3sJWKR3a3SGJ2GcgPnBI2txnsfSnW3iHRb3SJdVs9XsLjToQxkvIrlGhQKMtlwdowOvPFAGZ/wAJRq//AEIniD/v/p//AMlUf8JRq/8A0IniD/v/AKf/APJVaNn4l0LUNNfULDWtOurKOUQvcwXaPGshKgIWBwGJZeOvzD1FZEvxL8IR6xpunr4g02VtSjkeCaO9haL5WC4LburMSFxnJRh2oAm/4SjV/wDoRPEH/f8A0/8A+SqP+Eo1f/oRPEH/AH/0/wD+Sq2tS1Sw0exe91e+trC1QgNPdTLEiknAyzEAZPFYt54o/wCKi8M2ulS2l3p+tfaC1xG28MqRb1KMpxgnvzxQAf8ACUav/wBCJ4g/7/6f/wDJVH/CUav/ANCJ4g/7/wCn/wDyVSeEvEtzrfw107xHfwxC5uLAXUsUIKpu25IGSSB9Say9M8fam+k6JrOvaDb2Wka0tv5NzaagbhoHn2+UJkaKPapLhSylsHGRg7gAav8AwlGr/wDQieIP+/8Ap/8A8lUf8JRq/wD0IniD/v8A6f8A/JVY8/xD1C3ubyeTQ7U6TZ6ymkPOuosbhnZ0QMsPlbSMyLx5mcAntXVnxDoq64uitq9gNVYZWwNynnkbd3+rzu+6CenTmgDM/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqufs/EeqD4k6zKPBeuM7aTYKYRNY70AmvCGP+k7cHcQMEn5TkDjPolc3Y/8AJU9d/wCwLpv/AKPvqAD/AISjV/8AoRPEH/f/AE//AOSqP+Eo1f8A6ETxB/3/ANP/APkql8ReJrrS9e0nRNJsLe81HVEnljF3dm2iVIQu75gjkt864UL03EkY51rLUlnFvBeCOz1KW3897BpleRBwGPB+ZQxA3DjketAGR/wlGr/9CJ4g/wC/+n//ACVR/wAJRq//AEIniD/v/p//AMlVfufFGgWVql1ea5ptvbyI0iTS3caoyqwQsCTggMyqT6sB1NOn8S6Fa6fDfXOtafDZzxmWG4kukWORBjLKxOCPmHI45HrQBnf8JRq//QieIP8Av/p//wAlUf8ACUav/wBCJ4g/7/6f/wDJVacniHRYtEGsy6vYJpbAEXzXKCAgnA/eZ28njr1po8S6EdIi1Ua1p39nTFhHefa08lyoYth87TgI5PPG1vQ0AZ3/AAlGr/8AQieIP+/+n/8AyVR/wlGr/wDQieIP+/8Ap/8A8lUlr8QvC974pXQLXWbGa8kt47iIpdRMs2/O1Ew2WbADYA+6ynvWvq2uaToNslxrmp2emwO+xJby4SFWbBO0FiATgE49qAMn/hKNX/6ETxB/3/0//wCSqP8AhKNX/wChE8Qf9/8AT/8A5KrSuvEmh2VjDe3us6fb2lxF58M8t0iRyR/L86sTgr86cjj5h6isvUvFiQa14Zj0+4s7jTNYecyXYfcvlxwNIGRwduMryeRj86AHf8JRq/8A0IniD/v/AKf/APJVH/CUav8A9CJ4g/7/AOn/APyVW0uqWDizKX1swvxm0ImU/aBtL/u+fm+UFuM8DPSqJ17HjZfD32b72nG++0eZ6SBNm3HvnOfwoAp/8JRq/wD0IniD/v8A6f8A/JVH/CUav/0IniD/AL/6f/8AJVRjxtCug+I9UuLQxpod3PbeWsm43BjVSMcDBYsFA5571Wm8ePb/AA41HxLNpWy80wyxXWmm4+5NHJsZPM28g8ENt5BBxzQBd/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqq2nj6G9h8NPBZMG1q7ksponlAeyljikeRGAB3FWiK449alk8bJH8QE8OGy/0ZsQNqHncLdmMzCDZjqYl37s9wMd6AJf+Eo1f/oRPEH/f/T//AJKo/wCEo1f/AKETxB/3/wBP/wDkqp/F/iGbwzoaXtrZR3s8t3b2kcMk5hUtNKsYJcKxABbP3TVODxde2uqS6V4j0mKwvzaS3lobW7NxBcxx7d4DlEYOpZcgpjBBBPIABL/wlGr/APQieIP+/wDp/wD8lUf8JRq//QieIP8Av/p//wAlVm+GvHmoaveaBFqui2tlH4g05r+ya11BrhkULG+JVaJNvEg5BYZGO4z0umeIdF1ua4i0bV7DUJLYgTpaXKSmInIG4KTt6Hr6GgDM/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAOb/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KrpKKAON8OX9zqPxJ1+W80m80p10nTlEN48LOw869O4eVI645xyc8Hjpnsq5ux/5Knrv/YF03/0ffV0lABRRRQAUUUUAc3Y/8lT13/sC6b/6PvqseLIFu9IFrc+Gv+Eks5323FmGh3AYyGCysqHBA/iBHUZxWLc6Daa38U9X+2zahF5Oi6ft+xalcWmcz3ud3kuu7pxnOOcdTWl/wgekf8/niD/wo9Q/+P0AclYeG/EWkW+gagNNvL1NL1W6lg0tr6OW5trOWF444/MkfazLkEjzCADgMcCszVbDVrG48P3Gp6Esl1ceMpb+LTzcRuzKbaVlwx+XzBtyASBuUfMB81egf8IHpH/P54g/8KPUP/j9QT/Dfw/dSwSXL61M9tJ5kDSeIL9jE+Cu5SZuDhiMjsT60AcP4g0rUICmrXmhrE2reL7S6h0eaWMthLfy8uVLRh3MZbAJHK5bOcad94Y1zU5tX1xdD8g3GqWF4ujTzxeZdJbABt5VmjDscFQWI/dpkjt01x8N/D935X2p9bn8mQSxeZ4gv28tx0ZczcEZPI55qb/hA9I/5/PEH/hR6h/8foA4/wAQ+FNa8Ur4k1D+wmshqcWm2q6ddSwNJcCC58ySWTY7R42OVA3EkKeBwD1XiCx1CHxj4c1bTtMlvrWziubaeO2kiRohL5W18SMoKjyznBzyMA1N/wAIHpH/AD+eIP8Awo9Q/wDj9H/CB6R/z+eIP/Cj1D/4/QBD42g1yQ6VJoNvPKsVw5uZLFbY3kSmNgph+0/uhkkBs87Tx3rmfCPhDX9NufDL6jaOPsOparPcPJNEWVJ2cxsdmAS24HCgYz0HSus/4QPSP+fzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/wAfoAq+DdD1HSvhFpui39v5WoQaZ5EkO9W2vsIxuBI6984rntP0bxHq/gXw14QvfD9xpMOnxWH9o3t3cW7KwtmiYpCIpHYszR8FgoAyeuFPV/8ACB6R/wA/niD/AMKPUP8A4/Udx4L0K0tpbi61HXIYIULySyeJr9VRQMliTPgADnNAHDX/AII1C4m8SRW/hDy9a1DVXuNO8ShrVfsiEptk8wSeeNu1jtC89OhNdTBp+tWfj95dCstSs9Nu7xptUN5JbPaTjytvmRBXadZCViGDtTAYkA9dKPwPos0SyRX+vPG6hldfEt+QwPQg+fyKd/wgekf8/niD/wAKPUP/AI/QB0lFc3/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP0AdJRXN/8IHpH/P54g/8KPUP/j9Qt4O8PpeR2j6pra3MqNJHCfE9+HdVIDMF8/JALLk9sj1oA6qiub/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+gDpKK5v/hA9I/5/PEH/hR6h/8AH6gn8H+H7WWCO51TWoXuZPLgWTxPfqZXwW2qDPycKTgdgfSgDq6K5v8A4QPSP+fzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/wAfoA6Siub/AOED0j/n88Qf+FHqH/x+j/hA9I/5/PEH/hR6h/8AH6AOkorm/wDhA9I/5/PEH/hR6h/8fqBfB/h976SzTVNaa6jjWR4B4nvy6oxIVivn5AJVgD3wfSgDq6K5v/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH6AOkorm/+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfoA6Siub/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+gDpKK5v/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH6AOkorm/+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfoA6Subsf+Sp67/wBgXTf/AEffUf8ACB6R/wA/niD/AMKPUP8A4/XP2fgrS2+JOs25utc2R6TYOCNfvg5LTXgOX87cR8owCcDkgDccgG541sIdVtobLUfCEviSybL5tpoUltpBgBlMkkZU4Jw6PuGOnOa53StG8VeHr7w/ql9YXGv3cWjzWF2IbyMyRO0ySRlnlZN4AUqWBLEjODmum/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8foA8/sbHVPD3ijwJFe6D9v1Cz0zVGktbeeIyRFpYhuiZyqE4fHLJ8rN3+Uqmlah4f1/wc9xoa3N1JfavqC6XDLHutVlbeqIzERl1DjPzKud2D0z3D/Dfw/JexXkj6011CjRxzt4gvy6K2CyhvOyAdq5HfA9KWT4b+H5rqG5mfW5Li33CGVvEF+Wj3DDbT52RkAZx1oA5m18Ma5p8thrn9h+f5euXepPosU8XmQpOhRWBZhEZFOWI3Y/eNhieofBuq6hfx6jc6QsEN54ri1aTTpXiY20SWxi8x8MVLs6q5ClsZHOQcdZ/wAIHpH/AD+eIP8Awo9Q/wDj9H/CB6R/z+eIP/Cj1D/4/QBFLZ6jafFD+049NmurC80yKza4hkjAt3SWRyXVmDFSJBjaGOQeBUWu2ep2Xjyw8Q2ejza1bx2EtmYbaWJZrd2dX3qJXRSGC7ThgeF4I6Wv+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfoA5fw94I1Ox1rwtd32nwrFZzardyRK6MuntcyK8cS+pALKSuQDnnBBMmj+EdWs9Z0J5LEJa2Wu6vcyDzUISCczeUcZ53b14HIzyBzXSf8IHpH/P54g/8ACj1D/wCP0f8ACB6R/wA/niD/AMKPUP8A4/QBy3gHSLhPGV/ZThX0zwgZdO0yQNnd55WYg+8cRij/ABb1ra1fwba6/wDEqHUNc0Sy1LS4tIaBWvIY5lWYzBuFbJB255x+NWbf4b+H7Pzfsj63B50jSyeV4gv13u3VjibknuetFv4P8P3bTLa6prc5gkMUwj8T37eW4AJVsT8HBBweeRQBysPgLVRC+g2Vr/Y2jT+JJdReWy8geVBGqvAEjIZeZVU4KnAQ5HIpNc8EeIoLDxjpenPc61ba9ZR3MdxcyW8b/bFIjdCqLGoDRrEc7QMo2Tk89j/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP0Ac3q3g7WLf4t6Nq2jQLLoUt49/qEYdVNtci2kh8xQSMiQOgIAODHk/eNUH8A+JZvB8uqHU75PETXp1tdIza+QLsPuSLzPL342hY8+ZjH+zxXZ/8IHpH/P54g/8ACj1D/wCP0f8ACB6R/wA/niD/AMKPUP8A4/QBX8fWGpav4UtP7M06W5uodQsrt7RJI1fbHOkjgFmCZAU/xYPrVKfTda8T+Ik1e80mXSLbTtPura1trqaJ57iWcJlj5buioAmB82SScgADN+68HaBZQGe81PW7eIMqmSXxNfqoLEKoyZ+pJAHqSBU3/CB6R/z+eIP/AAo9Q/8Aj9AHDeEvBl5YR+Flt/BreHrnS7PZrN4j2qHUx9n8tof3MhMm6Qq+6TaBsznNdV4EsNa0yWaxmttQs/D9tbRRWFrqr2zzwspYFEaBmBiCbAN5L5B5Iq//AMIHpH/P54g/8KPUP/j9H/CB6R/z+eIP/Cj1D/4/QB0lFcvceC9CtLaW4utR1yGCFC8ksnia/VUUDJYkz4AA5zTo/A+izRLJFf688bqGV18S35DA9CD5/IoA6aiub/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8foA6Siub/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8foA6Siub/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8foA6Siub/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8foA6Siub/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8foA6Siub/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8foA6Siub/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8foA6Siub/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8foALH/kqeu/9gXTf/R99XSVxvhzSbbRviTr9vZyXkiNpOnOTeXs10+fOvRw8rMwHHQHHU45NdlQAUUUUAFFFFAHN2P/ACVPXf8AsC6b/wCj76q/xK1dtL8FzQW7zJdapKmnW7W8LSyKZThnVEBZikYkfABPydKsWP8AyVPXf+wLpv8A6Pvq2LrSbK91GxvrqHzLnT3d7ZyxHls6FGOAcE7SRznGTQB47e6haQ/CH4geGbGG6t7XS4JZrCK7tZbdxazAuoCSqr7Vk81BxjCjmtzRRD4J8fX8mqaRpnhuzuNDa5S20aTfbOLaQtLJJ+7ixIFlQD5OVzluAK7nV/COia9Ncy6rZee91Ytp85Erp5kBbcUO1h35B6jJwRk5qf8ACv8Aw61veQ3NrdXgvoBbzve6hcXMhi3bvLDyOzKpPJVSAcDOcUAcF8P9ZFl4xsZ7qDUYJ/FlvJJf/a9PuII0vFZpokV5EVWIhd4/lJyIV69aqeCfD0uox6Te6N4cXT7y21+7nu/EJ8hPtEC3U4eEFHMr7gQmHUKMZzwufX9T0ex1gWo1GDzfsdyl3AQ7KY5UPysCCPUjHQgkEEGl0rSbLRNPFlpkPkW4kklCb2b5pHaRzkknlmY/jxxQBy/i6OPVvHXhrw/qiiTSLuK7uZrZz+7upYhH5cbj+JQJHfYcglQSPlrL8aeE9As28JaXb6RZppt14kRpbDygbcn7JcdIj8ig4BIAAJyTySa7fWtB03xDZpbarbmVYpVmieOV4pIZF6OkiEOjdRlSDgkdCRWbN4B8P3FhFazQXjCK7F6tx/aVyLjzghjDmcSeYSEYqMsQBgdhQByGpeGiPEPiHwd4RuF0m01DQVuBbQkrBazmVkBVFx5YkUEMExnaTjOc7ngOWxstS1TRF8MQeGtUt1jnubWxdWtJ0ZnRJotuB82w53IrcAHOAa2YPBeg2+m3ljHZuyXzK9zNJcyyXErKQUZp2YyFlwNp3ZXAxjFWdG8OaZoDXL6dFMZrplM9xdXUtzNJtGFBklZmKjJwucDLYHJyAcPFrOpaZH4ol8O6ZCjL4p8m7njtZ7wpGbWEmcwLJvkbcUTbGQADux8rZ3Ne1FNW+DGsX8V7b36z6Jct9ptomiSQ+S2cIzMyc8FSSQQQeRWrP4R0mZboKt7bG8uze3DWeo3Fs0kpRU3Fo3U42oo2/d4zjPNWl0DTE8NtoKWoXTHt2tmgDsN0bAhgWzuyQTls5JJOc80Acjp2s+ItRQ6V4Yl0uzGk6XavLJqNu8/nySRblUBJE2KAvLHdkt0G3luk+N9b8ZPZp4YisNNZ9Gt9Un/tGN59zTFwsK7GTABjbMhz1X5a6DUPAvh/U5EkuLW4jdbYWha1vp7cyQjpHIY3XzFGTw2ep9TUmo+DNC1N7ZprN4Da2/2WL7Fcy2v7nj90fKZdycDCHKj05NAHL+KviDqGharJ9mezngtLm2t7m0i0+6nOZGjDbrtcRQsPMyEZWJAU5HmBVgi8Ra74e1H4h6xqt/DqOnaNKJEsUt5Eb/jzhkVUcysEX5vm+Q5Ys3GdtdRefD7w1f3c1xcWEn7+RJZYYruaOF5E27XMKuELDYvzbc/KOauv4V0eTVr7UZLVnm1CLyryNp5DBcrtCfvId3lsdoC5Kk4GM4oA4hPiPrel2Oq3WsadJfw2eky34ni0S802OOWPH7hmuM7924EMuMBWytW7NPECfFvQR4ln02eU6Hesr2EDwhSZbXchV3fODjDZGc/dGMnprDwbo+nWs9rGt9cWtxbm2ktr7Urm6iMRGCuyWRlAxxwOnFN0jwRoOialFqNhazm9hga2juLm8muJFhYqfL3SOx2AoCF6KS2MbmyAU7/WNe1HxZfaH4Zl02yOm2kM88+oWz3HmvMXCIqpIm0ARMSxJzkADgmsXSvG+v8Aim90S20SPTdO/tHR31CaS7ikuPJZJVjKqFdN4Jbg5X156HqtZ8H6Nr18t7fw3KXSwG3M9pez2rvETnYxidS65yQGyBk46mrNr4e0qyv7a8s7KO3mtbP7DB5WVWODcrbAg+UDKr2zxQBm6DrWo+JPh3Bqii3sNSuLZt2UaWKOVSVJADKSuVJA3A+9eeWs3iO78G/C+5udRtL3ULq9heCeeGQbA1hN80pMjGVhksSCm48fLncPXNN0uz0jTI9P0+HyrWPcEjLFsZJJ5JJPJNZdh4J0HTYbGK0tZhFp1x9ps45LyaRbd9jR/IGchV2swCD5RngZoA5W7+IWsabpc9reQ28uqx6//YwubaxnliI8gXHnfZ0LSHEZxsDHLDO4DOOk8F69qWuWt8ur2ksUlpc+VFdNp09kl3GUVg6xTfOuCxQgkjK5BwcC3deEdEvILyKezOL28W+ldJpEcXCqqCRHVg0bBUUZQjofU5uaVpNto1q1vZyXkiM5cm8vZrp84A4eVmYDjoDjqccmgDyTUPE9svjqXxiI9QYWGqrpYlXT7hrc6eoaKZjPs8oATuz53dIlHPSuq1XxT4pGq+LF0j+x47Tw4iShbqGV5LoG3WUpuDqI/wCIb8N1Hy8ZPVR+GNHi8Kt4bWyB0hrdrZrZnZsxsCCCxO4k5POc55zmuah+GWnXHiTXL3WIjNaXxt0giivZ0LxRwJGY5wrASrlT8r7xgn1NAFf/AIS3xPrWoatH4e/sm0gsNMtb9DfQSStI00bv5Z2yKFHyff5x/dPbk9f1uDWbbxLrsunxyw33g/S7z7HcO+3DyzOFZkKtxnqCOldzP8O7LU/GGtanrCb7O+tba3hjtbuaBtiK4kSQRlQyNuX5SSDjkVtXvg7QdQF4LrT1K3tpHYzqkjorQRlmRAFICgFm6YPP0oAzYdb1/WPFOrWuinTYLLRrqG2nju4neW6Zo0lcq6uBEAsgAyj5IPSsef4gX8fjCys4JrS6sL3U304LDpt1thIV8P8AbDiGRt0fzRqoKksu47Cx6u88IaLf60dVuLaUXTeX5vlXUsUc+w5TzY1YJJjtvB4wOgqtF4B8OQalFfRWUolhujeQx/bJjDDMSSzpFv2ISWbOFGcnNAHAm61lvhzq9z4kurLWoovE3kRRPBNGUZdVEed3nk7RwUTgKAAS4HO/q/jPxDDpfiLxBpq6YuleH7iWKSyuIXae7EODKRKJAsRPIUFH6AnrgdG3gjQHW+RrSYxX9yl3PB9sm8ozLKJQ6pv2oTIoY7QNx65pt54F8PX+pzX1zZSs9xIktxCt3MkFw64w0kCuI5D8q8spzgZ6UAc1rXjTxNDN4uutKTSl0/w1DHcmO4gkaa6Q26zMmQ6iMgbsNhuoG3jJ9CglE9tHMBgSIGAPbIzWdP4Z0i6j1lJ7TcuuR+XqA8xx56+X5WOD8vycfLj1681pxxrFEkcYwiKFUegFADqKKKACiiigArm7H/kqeu/9gXTf/R99XSVzdj/yVPXf+wLpv/o++oAyfG8moRePPBjaRbW11dCS82xXVy0CEeRzl1RyOP8AZP4VixeItQ8Pap8Q9a1ext4r62t7LyrWzuGuFkkMbrEgYxoSWdlGNvU969IudKsrzUrLULmHfdWBc20m9h5e9drcA4ORxzmqdz4U0W81GW+ubLfcS3Fvcu/muA0kHMTYzj5Sc4xgnrnFAHnXgm5t9Ek1rwzD9vMV1pQ1GOW+sZ7UzXCxiO6KiZFJywjkOMjMjdK5axuJdA+Gvh/w9eyFrTVP7G1TSnYk8tcW5uYc/wCy7CQAfwyEfw17tqGhabqt9aXl/bebcWYlWBxIylRImxxwRkEdjnkA9QDVK78FeH77R9J0q605ZLPRnhksIzI+YGiGIyGzuOAMck575oA848d68k/i+/1a2t9RuLjwj5AsfsunXE0bylhJdqZEQouYSkfzEYOScCu38f61JbfDG/1XR7wwrLDEUvIjgxxSOitKp7EIxYHtjNb+n6NYaXa3FtZW4SK5nluJlZi/mSSMWcncT1JPHTsOKbYaFpum+H4tDtbVTpkMH2ZbaZjKvlYxsO8ksMcYOeOKAOf1Twb4d0Lwzq11o2k29jcLptxG00C7HmBjOfNYcynjOX3HOTnJJrlE0TS/DXg7wRrnhywt9M1We4023leyjEJvUmKLKkoXAk+Us+WzgruGOa7my8CaBp8bRwW91JGbdrZI7m/uJ1hiYbSsayORGMcfJjgYpdK8C6Bo93a3NpbXEstmhjtDe3090LYEYPlCV2EfAxlcHHHSgDkdJ0tPB3jS2/4SPRILm41LU5xY+JrWTM0jyiV1guVOHwEBVcb0+VDhSoI3dduTb/FDRvs+nQ3d4dH1B4maRkclWgxGDu2AMSMllJGBgjnOpZ+CtCsdUjv4LadpYXeSCOa9mlht2bOTFC7mOM4JA2KMAkDAOKvXuhafqGoxX9zFJ9rhtpbWOaOZ42SOXbvAKkYJ2L83UY4IoAxPA3iG+1u3uI9avLc6lAkTT2KaXNYyWpYEkMssjmRcggOvynacE9uZ0rXL3TNU1nTtIW3F/rHi6e1hmulLRQBbSOV3ZQVLfLGQFBGSRyK73RvDmm6DJcSaelw01zt86e6u5bmVwudql5WZto3Nhc4G4nHJqvdeDNBvbS6t57Jtt1fDUJHjnkSRbgBQJUdWDRthQPkI4yO5yAcxN4216zvbjQLhNOm1hdUtrCG9SJ0tys0TSiRoi5bKqjjYJPmO35lB40tZ13W9C02zt9Qv9MXU7maRUltdLursyoozlbSJjIMA4Y+YVU4OTvCjSXwRoA0iXTTZSPDNOtzJLJdSvcNMpBWTzyxk3rtXDbsgAAEAUyXwJoE1taxNBeK9q8kkV0mo3KXIMmN+ZxIJWBAUEMxGFUfwjABxlj4m8TeKLzwTqFjf2mmi+S8S5t3s5nSSSLcjMV81DtO3KqwyhPJarMnxG1qbW7z+ztOluLSz1U6ebKLRLyWSZEkEckou1Hkpg7m2kHheWBb5erHgXw8mm6fYW9lLawabK81p9lu5oXhZyxfDo4badxyucdscCpW8H6OdXfUoVvba4kmE8q2mo3EEUsgx8zxI4RicDOVO7HOaAOE8U61r3iDwvqd6v9nw6Nb69DYpbGGT7QRDexxmUybtvMit8mwYUj5s8V3HizXLvR4dLt9MSA3uragljBJcgmOElHkZ2UEFsLG2FBGTgZHURXXw/wDDV7fz3d1YSO89wt08X2uYQ+eu3EoiD7Ff5RlgoJ5yTk51dZ0TT9fsBZ6rB50KyJKhWRo3jkQ7ldHUhkYEZDKQaAOG1Txz4j0X+1NNmi0u91SxvtNijnSOSCCeO7l2YKbnZGUhxnc38Jx/DXR+GtY1efxBrWia81ncXGnC3mjurOBoEkjlVsAxs7kMGjbndyCOBjmeLwToEVk9sbOSVZLqK8kknupZZZZoipjZ5XYu23YuASRgYxjitOHS7O31W71KGHbd3iRxzybid6x7tgxnAxvboO/NAHmuqS+IJYfijHf6tbXGn21pKsdsLWQMgaxDKEYykKAD8w2/M2W+XOBf07xXrXhyDTodejsbmym8PzajCtlG6yQ/Z0iLRszMRJkSDDBU5HTnjq7vwhot7f6heXFvN5mpW5trxUu5UjnQps+aNWCltvAbG4DoeKtN4f0t7iyne0V3sbaS0t9zMQsUmzehBOGB8tOuTx7mgDkPCPjXXdZ1qxg1CyeW1v7Zpmki0W8tEsXADKjSzDbMGBIDKE5XO3DcQ+P/AA/IPEDeJdQ0K28TaNBp3kzWUkgW4sdrs73Fvu+UsVIzhkf92uGPArrNH8J6XoMyyaWb+NEj8qO3k1K5lgjTjCpC8hRQMADCjA4GBTdX8H6Nrt1JcajDcs0sQhnSG+nhjuEGflljjdVkGGIwwPBI6cUAed+PdYtvFF7bWmmjUJk03S11axktdOubrbfPhrQuYkbYVVWJ3YyJPrUviHUNO8XeI/AOpzeGj4itr3S7+f8As8xQOUY/Zs5E7KmVOQec5r03TtF0/Sbi8m0+2WCS+kWWcqxO5lRY1wCcKAiKABgcdKqWHhHQ9MurW5sbLypLM3JtyJXIj+0OHmwC2MMyg4xgdsZoAoeC9H1DQfAMOn6rtSWMTGO3WQyC1iZ2aOAOfvbEKpnp8uBkAV5nbXHiBvgZ4SiuNM02PTPN0kLcx6jI8xX7TDtJiMAUEnGR5nHqa9zZQ6FWGQwwRWQPCmjDw5Z6CLP/AIllkYTbwea/yeSyvH82dxwyqeSc45zQB5n4715J/F9/q1tb6jcXHhHyBY/ZdOuJo3lLCS7UyIhRcwlI/mIwck4FT+K2uJfiininw4zXM+leH7e+SKI8Xtq08vmxD1LRncv+2iV6fp+jWGl2txbWVuEiuZ5biZWYv5kkjFnJ3E9STx07Diquj+FNG0GSCTSrQwvb2SWERM0j7YEYsqfMx6Fjz17ZxQB5nF4mgHw/8UXGkXMkv9veIpLSyntYnlcidI8yIigsxWPe+ACfk6V0/wAMdQtITrPhmxhure10u586wiu7WW3cWs2XUBJVV9qyeag4xhRzW7pfgXw3oktvJpemLbm2upryELK5WOaVdkjAFscqSMdACcAVp/2PY/28Na8jGoC2Np5wdhmLdv2lc4PzcgkZGTg8nIBdooooAKKKKACiiigDm7H/AJKnrv8A2BdN/wDR99XSVzdj/wAlT13/ALAum/8Ao++rpKACiiigAooooA5ux/5Knrv/AGBdN/8AR99UfjzxNceF9LsJraS0tFvL+O1m1C+Rnt7JGDHzJArLwSoQZZQC4JPYyWP/ACVPXf8AsC6b/wCj76tLW/7X+zR/2Ja6feEsVnt7+Z4VdCD0dUfBzjgoQRnpQBR/4SNNG0S0n8TXltNcXUhSBtLt5ZftfVlMcK73PyDcQN2ACckc02fx74ct7Cyu5L9zHfyvDbIlrK8skqZ3R+WFLhwQQUIDZBGM1x6/C7ULax0+a0NrHPa393cjTLPULiwt4o7gD91HPCA6hCqnOzDZb5VzxsaZ4IuLPUPDt3Fa21h9gvbu7vYhqU960jSwtHuEsqhmJJBO7GOcZ7gHQL4u0VtKvNRN2y29jOLa53wSK8cp24QoV3bj5iYGOdwqOTxroMetf2W15J5/2gWrSC1lMCznGImnC+WrnIG0sDkgYyQKyNR8E3d38Qo9UhngXRp5re9vrdifMkubdXWIgYxjmIkk5zAmOprJi+G91BrN1HcWkeqaXc6s2ob5fEN7b+Xvm87BtVVonKPkg5G7Azg5NAHZad4s0fVtYutL024luLqzd47jZay+XC6nBRpNuwN6AnJHIyOaxfHXjK+8Nz26aVbwXAt4H1LU/NVj5dlG6LIV2kYchyVzkHy249NXwrodzoaauLt4n+3arcXsflEnCSEEA5A5456j3rKl8ARaz4l1vVfEs1w4vPLtbWKx1K5twtoifckEbIGJkeU4OQAw55NAEHjPxpPonibRdOt9b0LRrPULS4uHv9WjMiExmIKq4mjHIkJ6npT7Xxrf3Xwu03XRbQJq2pmK3tY9jGKWaSTy0kC5DeWR+8xnITvxms/T/CPizRbjw1c240rUpdEsbvTiLi+lg8yJ5I/JbcIX+YJEAwx16E0tj8NbyWXTItaukWxgurzVJ4NOuprcx3k7/IsTJtYRojyjdlSxb7oBIABZu/HGqf8ACsbbWbWOyh1g3sGnXUcsbSQwXBult5vlDKxAbcQNw4xzWr4Z17U7rxNrfh/W3srq40tbeUXdjC8MbLKpIRkZ3KuNpP3jlWU8VzuofDG6ex1rR7CW3m0bUdQsb9YdQuZZ3DxyoblXMgcsHWNSMk8kg4HNd9pmkaboln9k0bT7XT7bcW8m0gWJMnqdqgDNAFyiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm7H/kqeu/8AYF03/wBH31dJXN2P/JU9d/7Aum/+j76gC/rXiXS/D7WqalLN5147Jb29tbS3M0pVdzFY4lZiAOpxgZGTyK57wv44guPDU+p6peS3ay6tfQWf2W0eaSSGO4dY9scSFmAQLk4PHJPer/iHRdWfxTpPiHQI7K5uLK3uLSW1vrh4EeOUxtuV1RyGDRDjbyGPIxXPDwV4rt9Ftrdb21uG/tS+vb62ttQudNS48+R3QiaINIu0t9zkHPLHaMgGvf8AxL0i1n0A2kN5qFprRk2XFpZXEpjCIzfcSNiW3JtKcMvJI4Na0/jDRLbWYtLnuZVnlmFukn2WUweaekZnC+WHOMbS2c4GMkVyek+BvEGg+HvDMdm2nXt/omo3tzJFPdSxxzRzmfGJSjvuAlUnKnODz3MWseBPE2r+Jkurm8hmt4dcttQhmfVbpQLeOVH8j7GF8kMApw+SWIyQC2VAL+gfEOyjvdYtPEOoSCSDW5rOKT7I/kwJvCxJJKibEJJwN7AnI65FdFc+MNEs9Yj0y4upUnlmW3WT7LKYBK33YzMF8tXPAClgckDHIrkrjwV4mnstc0QtpP8AZWtao949150nn28bSBioj2bXYhRg7lCk9GxzHr3gTxNrXiB55ryGa2TV7a+t5pNVukCQRyRv5P2RV8nI2tiQkknBIBOVAO0tPFWlX+pXNlaSXEj2rSJNP9jmFurIcOvnlPLJU5BAbIII7Go9H8ZaHr14trpt1K8skRmh821lhW4jBALxM6hZV5X5kLD5lPcVzj+CdUvdd1RttvommajBdxXUdlqU1wt20yhRIYGjSOF+rlkJLMSCTkmneEPBV5pGqWM+sWEMkmn2xihvh4ivbs7ioVitvMuyMMB0DHbwOetAHR6v4t0XQtQisdRuZFuZIjOY4baWYxRAgGSTy1by0yfvvheDzwccx4O8bXlzouiXOv6hZtHN4a/tW8YwuLgupXfIAi+Xswx+UfNnGBitXUNE1618bXGueHl02YX9hFZzi/mkQ27Ru7LIgVT5gxK2UJTO0fMMnGDp/wAOdWs9Hs7N7mzZ7fwnNojMHfBncphh8v3PlPPX2oA6dPHvh6TSU1OO7uHtZZhDbstjOWunIyPJQJumGATmMMMAnOAalfxroKaRFqP2yRoppzbRxJaytcNMpO6PyAvmbxgkrtyACSABWJr3gi/1DRPDS2sqPe6GgVoVv57NZwYvLYCeH50x1B2nOMEc5Fe28E6jpq6bqej2Fjb6pZ309zNaXOr3F1Hc+bEI2Y3MkZkDYVT9wjjHfIANE/EjS38UaVpNrbX1xFqVtLMtzHY3B8tkkSPYyiPjBZg5JHllcNjIpvgrxZ/aUb2WsXvmajNqGpJaqYtoeG3uWjwCoC5VSgwTuPXnk1JcaP4jl8TaFr5j0uS4tre5tby2FxJGiJNJEwMb+WxdlEQHIQMefk6DlfEvh/U/C/gNbmznth4gg8QzXOlMhZldru5dRGeAeY5jnqARnkDNAHpml6tZa1ZG70ybz7fzZIhJsZQWRyjYyBkBlIyODjgmrlUNC0iDQPD9jpNoS0VnAkKs3V8DBY+5PJ9zV+gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAObsf8Akqeu/wDYF03/ANH31dJXN2P/ACVPXf8AsC6b/wCj76ukoAKKKKACiiigDibnQbTW/inq/wBtm1CLydF0/b9i1K4tM5nvc7vJdd3TjOcc46mtL/hA9I/5/PEH/hR6h/8AH6LH/kqeu/8AYF03/wBH31Q+P/Dt74j0iyjsIbO9FnfJdT6bfsVt7+NVYGJyA3dgwyrDci5HcAE3/CB6R/z+eIP/AAo9Q/8Aj9H/AAgekf8AP54g/wDCj1D/AOP1g+HfFMMM/h/R9E0b+yLe41C8sr6wm+Y2cscTSlIyjFNu7GMZXaeAvQF74215rq2s9Mh05Z7nxJPo6vcRyFY4khdxJgMCzArnGQG6ZXO4AG9/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8KPUP/j9c5c+N/ElpJLpLRaVNq1vrsGltcCORIJI5oPNWQR72ZWAYAruOcHkZyJp/GuvadNqOi3kem3OrxX1pZ2t3FG8Vu32kEq7xl2YbNr5UP82FwVzkAG7/AMIHpH/P54g/8KPUP/j9H/CB6R/z+eIP/Cj1D/4/XOaz448ReG49csb2PS9Q1Kwjsbm2nhhkghljuLjySjoXcowKsQwY5DA7eCDNqB8YxeP/AAvaS69po860vHuI4dOmWKQq0Wcp9o5OGAUn7p3HndgAG7/wgekf8/niD/wo9Q/+P1DD4P8AD9xcXEEGqa1LNbMEnjTxPflomKhgGAnypKkHnsQaq/ECbXYr/wALLoOqQWAn1cQyiW3eQSZhlIDbZUynynKnqdpyNuDzFzq3iHw9rfxH1rTW02SHS5ra6uop4ZC11tsYCyIQ4EXAOGPmcnpx8wB2/wDwgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP1zniL4g6vba/qljoNoz/ANlwRv5R0W8vWvZHTzBGJIPkg4Kjc2/kk7cLzq+P7xJPh1Fe3WnLJvu9Of7Ldb18tnuoR821lO5d2cZxkcgjIIBe/wCED0j/AJ/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/H65rVvG3im2bxPeWEOjtY+H9SitRbzRy+bdo6Qsw8wNiMjzThtr5yBtGMtJrXjXxF4atfEsOoppd5e6XpkGpW0kEMkUbLJJIhjdS7EkGI/MCMgjgYoA3LrwboFjaS3V7qet29vCheWaXxNfokagZLFjPgADuakXwLozqGS919lYZBHiTUCCP+/9ch471rXbfw/4o0DxAdOuBdeGLy/glsYni8nZhHjYM7b/APWoQ425w3yjirGr+PNXstRudM0O2LHS7GGQodGvL43kjx7ljDwfLCMADc27lj8uF5AOo/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8frm9S8b+J3fX5tLttOs4NF0m31N4NQglaZy8TyNCdrqEI2EbucHjaeosSeONZ0Oa6l8RQWNxbnQLjXIYrBHR4RCU3Qs7MRJkSriQKn3SSozwAbn/CB6R/z+eIP/AAo9Q/8Aj9H/AAgekf8AP54g/wDCj1D/AOP1y9j4/wDEX2e8lu7L7Si6RPfJOuh3tlFazRqGETtPxMGycMu0/Ifl+YY0NM8R+KZ9R0i0v30hDr2mTXlq0FrKRZyIIjtfMg85SJe3l/d96ANj/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+uU8L+I9csPhF4cvNT1qznvdSihEE0un3NzNtMRYgxRu0lzJ8vJBjABZz93a1WTxV4l8R6b4budPv7bTZx4jm0643WE6rOUSbazRNKjqpC5MTEndj5htwQDtf+ED0j/n88Qf+FHqH/x+j/hA9I/5/PEH/hR6h/8AH65j+359F17xVDp1lZf2nc61Y2KXDeYI5JpbWE+bIpc8KCcKm3IUDOSWqTWfHHiLw3Hrljex6XqGpWEdjc208MMkEMsdxceSUdC7lGBViGDHIYHbwQQDo/8AhA9I/wCfzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/x+o9A1jWj4s1Hw/wCIWsbiW3s7e9iubKB4VKStIhQozucgxH5sjIPQY5z9S8TeIbi98SN4fOlwW3h3CSR30DyPdyeSszAMsiiJdrqoYq/OTjjBAJ7vw34VsL61s77XdVtrq8YrbQTeKr5HnIxkIpnyx5HT1q7/AMIHpH/P54g/8KPUP/j9cz4fvdT1r4vjVEubSOxufDVndC3ezYypFLJMQm/zMBgwyW24IwNoI3FPihcWes6tY+FL37ebY2s1/ctY2U9y6NtMVvkQozL+8ZpASAMwD6UAdP8A8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9cDq2pP45034dXNxo9hqV1cXlxHd6bqmYofPjtZllVwY3K7XRiAUPIHTqGw6tJ4e+G+vaBsks9TfW5NMjtbCN547T7SRKPsyqCzokEjOAEByjAIBigD0D/hA9I/5/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/AB+vNb3ULSH4Q/EDwzYw3Vva6XBLNYRXdrLbuLWYF1ASVVfasnmoOMYUc12fhHw9LYeMrvU9O8OL4V0eSxWB9O/cKbicPuE3lwO0a7Vyuc7ju5GFFAGv/wAIHpH/AD+eIP8Awo9Q/wDj9H/CB6R/z+eIP/Cj1D/4/XSUUAc3/wAIHpH/AD+eIP8Awo9Q/wDj9H/CB6R/z+eIP/Cj1D/4/XSUUAc3/wAIHpH/AD+eIP8Awo9Q/wDj9H/CB6R/z+eIP/Cj1D/4/XSUUAc3/wAIHpH/AD+eIP8Awo9Q/wDj9c/Z+CtLb4k6zbm61zZHpNg4I1++DktNeA5fztxHyjAJwOSANxz6JXN2P/JU9d/7Aum/+j76gA/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+s3x/4avdYvtJ1G30mx8Q2mnCfz9Ev3CpcFwoWRNwKeYm0gbxjDt8y9SnhTxXDqOraNpmi2zQaNNosl1EtyGM8TxTJF5ZJYjjJB68gYOKANP/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH652x8aeJdbufDdlpw0q2l1ezvbieeeCSRYfIlRF2oJF3ZDYILDruz8u1ktfG/iTUrjRtLtItKg1C5u9Qsry4kjkkiR7VtvmRoHBIbBOwsCM/e45AOj/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+sK28a69evbaJFHpsWtyapc2El40btbBYEEhkEW8MSyso2b+CSdxAwYLnxx4kgJ0hItKfWIdfj0iS5MUgt3SS2M6SiPeWVgCoKbzkqfmG4FQDpP+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfrIsn8UD4tzWl1rdjLZx6PbTS26WMqK2ZJVYoDOQjEqTuIb5dq4+XcZfEcviAfFDw3b6Vq1ta2c9pdtJby2skgcoYsltsqgnDAKcfL8x+bdgAFy28H+H71Hez1TWrhY5GicxeJ79grqdrKcT8EEEEdQRU3/CB6R/z+eIP/AAo9Q/8Aj9cR4f1rXdAstQv4v7PfSX8Y3VnLbtG5ncTX7R+YJNwVdrOPk2NkL94Zwt+6+I2tNrd//ZmnS3NrY6l9hNlFol5NJcKrhJJBdKPJTGWIUhuF5YbuADqP+ED0j/n88Qf+FHqH/wAfqGHwd4fuZZ4rfVNblkt38uZE8T37GJtobawE/B2spwexB71P4s1vUdOuNF0zQ1thf6xem2Se7jaSKBFieV3KKyljtjIC7l5Oc8YPDW3iXVPCzeKpLmO3n1S88SwWSyW9rNLEpazgPm+SmZD8qk+WCTk7d2PmoA7j/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+uetPHeuxRxz6lYZsYNVgs7m9k0u5sRNBOu1JI4pjuQpMyK2dwIyQRnhl/8AETUxFbmygiSPVNSuYLC4XTri82W0A2tI0MJ3yF3VtuCgCkE5xyAb03g/w/b3FvBPqmtRTXLFII38T34aVgpYhQZ8sQoJ47Ampv8AhA9I/wCfzxB/4Ueof/H65Ea9faz4h8E3Wr2UtrPb6zfw7ns5bUXCLZT7ZVil+dAwI+U5wcjJxmr+n+NPEEum+HfEN2umtpGv3UMMdlFDILi2SbPlMZd5VyPl3KI1xk4Py8gG/wD8IHpH/P54g/8ACj1D/wCP0f8ACB6R/wA/niD/AMKPUP8A4/XM23jjxP8A2PH4guk0g6WuttpktpHDIJ3jN4bZZVkL7QwJUlNpyFJ3LuwrZvG3i3y7m/todFazh8QnRI7aSOUSS7rjyUlMgYhMFkyuxsgEgjIAAOo/4QPSP+fzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/wAfrn9S8d61oFlrdrqUVne6lZXlpa2txaWkwjf7SF2s0CtJIdhLHarEvgAbSeK0/wAQfEdroOpyjTkuLm1vbCG1urvS7rTYLpbiZY2Xy5surJzlgWHzKcdRQB1P/CB6R/z+eIP/AAo9Q/8Aj9H/AAgekf8AP54g/wDCj1D/AOP1yHi3xB4ph8M+M9Ll1Cxh1DSbK3u4tQsrWWHfFL5g2hfOJRw0TfPvIwR8tdxqWrXXhjwTf6vrbw6hPp1rLczGzgMCyhAWAVWdyvAA5Y88+1AFb/hA9I/5/PEH/hR6h/8AH6pWHhvwrqktzHpmu6reSWkhiuFt/FV9IYXHVXAnO08Hg88VAmt+K7TV9I07VLjRpH1yCb7PJbWcoFnMkfmYYGU+cmMjIMZyB/e4T4OLe/8ACpdCe+uIJfNtVeIwQGMopGcNlmDNnJLAKDn7vqAav/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/XI+D7K38Baxa6X4m0a2t9TktpyniO0kyupqn7yRrgHDiXADHfvGd21ucVl+DNfji8b6frktvqMMni0zR3zXOnXEMSsDvsgJHQIxEQaP5SckjHFAHoX/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/Xm+geHZdW1O7n0bw2tpqdv4vvJ38SnyE2wpdv5kYKv5z7k3R7GXad3JwK7L4jveR6x4LbTIILi6Gtny4ricwox+yT9XCORxn+E0Aa3/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/XKQ69eaJ8QPFus+J7O0tGsfD1pMYrK7a4V1WS5IAZo0O4njG3055qr8Nb4aR4qGmTx38cmu2Ivrp7vTri1VtSVibjZ5yLu3K6njOBEenFAHa/8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9eJ2VxL4b+Dn9mXMhOmeIbFLqwLEnyrpJV86H6OoEq+4l9q7X4lah/avieeytIdQmufDtmt5ZCz0+4uVOosyyRBmiRguEjx82MrOfwAO3/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+tbQ9Xttf0Cw1exbdb31ulxH6gMoOD7jODV6gDm/wDhA9I/5/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/AB+ukooA5v8A4QPSP+fzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/wAfrpKKAON8OaTbaN8Sdft7OS8kRtJ05yby9munz516OHlZmA46A46nHJrsq5ux/wCSp67/ANgXTf8A0ffV0lABRRRQAUUUUAc3Y/8AJU9d/wCwLpv/AKPvq1NY0Kx1yGJL9ZwYX3xS211LbyIcEHEkbKwBBIIzg96y7H/kqeu/9gXTf/R99Wvqur2ejWguL95ArOI40hheaSViCdqRoCznAJwoJwCegJoAzJPA/h+XSrfT/sckcVvcNdRSxXc0c6zNndJ5yuJC7bmyxbJyc5rH1j4aadcpodppVtFb2FnqzajdoZ5RI7GGRN6OCWEm9kbdkEEFgd1asnj/AMNRabaXsmoMIry5e0hT7LL5rToG3QmPbvWT5GGwgMTgAEkAh8f+Gl0canJqLRWxuzYkS20qSJcYJ8poiodXIHAKgnK4+8MgGbrfw6sbvSdN03TIUS2i1iPUb03NxK8s+FYMxlYs7Scrhi2QFGCMCtZfA/h8aPd6Y9k80F5KJrh57mWWaSRcbXMzMZNy7V2tuyuBjGKxtd8bxXGl2U3hu9kjmXXrCwvIp7VopY1lmjDI0cqhl3I3BwODkHvV+08Y21rp+oXWu3lsVh1aXT7dLC3nkkchvkj8vaXklxktsBGASOASACzH4H0BNPu7NrSaeO9kiluZLm8mmmlaNg0e6V3LkKVBC7sDnjk5u6r4e07Wrqzub6Ob7RYuzW80FzJA6bsbhujZSVOBlTkHAyKpTeONCg06G9M91LHNvxHBYTyzIEO1y8SIXQKw2sWUYPBwTVN/iFpp8XaZo1tBdXcGpWBvIb62tZpYyN8apgpGVKkSZL7gqYAbG4UAbetaFp/iCzjttUikdIpVnieGeSGSORc4ZXjZWU4JGQRwSO9V5PCeizWmr201o0kWtIE1ANPITOBEIuTuyDsUDIIPGevNZmm+NrWPQIrzXLy3lnnvrm1hj0u1uJWlMUrrtSLaZGZVT5iFI4Yj5cGrMvj/AMNQ6ZbX8mokQ3V01lEv2eUym4UMTCY9u9ZPkI2EBicADJAIBPqHg7R9SvjeypeW1y0axPLYahcWjSqudocwuu/GTjdnGTjrV/U9HsdZ037BqUJntt8UmwyMCWjdXQ5BzwyKevOOc1mDxzoB0hdRW6naJro2YhWynNx54BJi8jZ5u4AFsbc7Ru6c1tWl1He2cVzCsqxyqGUTQvE4HujgMp9iAaAM6Xwro09vqcEtnuj1Wdbi8XzXHmyKEUN144jTgYHHuazPG3g2PxHoOtR2CQx6rqdgliZ53YIY0dnVSBkAAu/IGefpXVVzN34tg0jXtbTWr+yg0zTbO2uCVjl86LzGkUtIcbSpKjG3JGG3YGKAJI/Afh2O11C3NlLLHqNsbO48+7mlbyOf3SMzkxp8x+VCoHpUt/4N0bUbxbuSO7trgRLC01jqFxaNIi52q5idS+MnG7OMnHU0lp428P3kV9It+YF0+EXFz9rt5LfZEc4lAkVdyHacMMg461j6f45ttW8fx2lleSxabHo013PFeWj2rKwliCykSor7NrPhvunB6lTgA6GXwzpM39pmW1LnVrZbS9LTOTNEqsoUnPHDtyMHnrT38P6XJdxXMtmkkkNm9gvmEsvkOULoVJwwPlr1BPHuazrXx94dvILqaK8mSO1s2vnaeynh8y3UZaWPeg81Bx8ybh8y/wB4Zl0rxt4f1q9Frp98zSPCZ4jNbSwpPEMZeJ3ULIoyOUJHI9aAEsvBOi2FtcW0A1Bra4tmtHtp9VupohEwwVVHkKpwMAqAQOBgVfj0LTYrnTp47bEumQNb2jb2/dxsFDL15yEXk5PH1rOsfHXh7UpGW1vZMCB7iN5bSaNJ4kxueF2QLMoyDmMsMEHuKXSPHPh7XbuG30y+eRriBri3eS2lijuI127mjd1Cybdy52kkZ5xQBEnw+8OR6bDYRWt1Hb283n2wj1G4VrVtpXELiTdEu0kbUIXB6VJ/wgnh4aMNLSyljtluzeqY7uZJVnOcyCUOHDHJyQ3OT6msWX4g2WqeLfC1j4ev5Ht7+9nSYvZvGl1EltM26KSRAJFDqhLRkjlcnDDO7Z+NdB1DVU0+0vJHllkeKGQ20qwTumd6RzFRHIw2tkKxPyt/dOAB1x4O0K7t9RhubEyrqUkUt0zTyFneNFSNw27KsoRcMpByM5zzUcfgfQE0+7s2tJp472SKW5kubyaaaVo2DR7pXcuQpUELuwOeOTmPTfiD4a1e6toNPv5JTdFlt5DaTLFK6glkWRkCFwAcoDu4PHFJ4Q8aW3i5b77PZXtq1pdTQf6RaTRq6o5UNueNRuOMlOWXoaANpNLs01qXVlhxfTW6W0ku48xozsq4zjgyOc4zz7CsvVfA+gazqM97f2kxmuY1iuRDeTQx3SLnas0aOFlGCR84PBx04pNQ8deHtL1CWzvb2RGt3SO4mW0meC2Z8bRLMqGOM/Mpw7DAIJ4IrHsfEtxq/wAWtR0dL3Ura00q3h22yaawiuJG8zeZJXiOANqbNrKGwcFuaAOqi0awg1h9Vhtgl49qloZFYgeSjMyqFztGC7cgZ59hTrfSbK11a81OCHbeXyRpcS7id6x7tgwTgAbm6Y6msVPG1q3xCuPCpsr0SQ2sU4uRaTmNmdpAVJEe1VAQYcttJJUcqayPhx8QbTxD4Y8Pw6pqDz61f2gdpGtHjiuJVXMipIEETMozlFORtbIGDgA27rwF4eu2Lta3EMn26TUBJa308DrPImx3Vo3BXcuQQCAck4yTmex8HaHp0lnJa2TCWynluIpZJ5JJDLIpR5HZmJkYqSu5ySBwMUyz8a6DqGqpp9peSPLLI8UMhtpVgndM70jmKiORhtbIViflb+6cWda8TaX4fktYtSlm8+8Zhb29tay3M0u0ZYiOJWYgAjJxgZGTyKAI9X8I6Jr01zLqtl573Vi2nzkSunmQFtxQ7WHfkHqMnBGTnZriPCvjiC58JDVNWvJL03Go3sVr9jtHnklijuZFQrHChZgEC5bHoSeanuviTpEWo6DFZxXl/a61E8sd1a2VxKEVRwNqRnLZyGU4ZMfMBQB2FFYkvjDRIdai0qW5lW4mm+zpJ9ll8gy4J8vz9vl7+CNu7OeMZ4rm/C/xEspJtQstf1CQ3Ueu3djFL9kfyYgLh0hieZU8tX2hQAzBjlTzuGQDv6KxJ/GGiW2sxaXPcyrPLMLdJPsspg809IzOF8sOcY2ls5wMZIp1l4r0jUL65tbSW4f7KZBNcGzmW3Uxna488oIyVIIIDE5B9DQBs0ViaN4x0TX7sW2mXMrSvD58QmtZYBPFkDzImkVRKnK/MhI+ZeeRnboAK5ux/wCSp67/ANgXTf8A0ffV0lc3Y/8AJU9d/wCwLpv/AKPvqAL+r+G9O1ueGe9+1xzQqyJLZ309q+0kEqWidSwyAcHIqpc+BvDtzb2EH2BraPTomgtfsVzLbGONsbkzEyllO0ZU5BxzVnW/FWkeHri0t9VuZEuL0ObaCG3kmkn2bdwRI1YsRuBwBnGT0BxEPGWhvo1vqkFzNcW9yzJEltaTSzMykhh5KKZMqQQw25XHOKAMO8+GunzeIdAe0hW00jSLO6hjit7qWCaJ5XjZTE6EMowrg4YcNt5BIp+p/DqxutR8NxWcKW+k6OtzujjuJY5g0gGHSRTv37gxZtwY7iSTk1Jf/EvSLWfQDaQ3moWmtGTZcWllcSmMIjN9xI2Jbcm0pwy8kjg1c0rxZDJqd1Y6pe2fnNq8un2S20UoyUiEvlyMwx5m3ceDtIwBk5FAEz+B/D76Pb6Z9idILac3MMkVzKk6SkktIJlYSbzubLbsnJyTmpLfwfodra2sEVkxW1vft8byTyPI1xgjzHdmLSNhiMuTxgdhhLvxloVmsplu5HaK7Nl5UFtLLJJMFDsiIilpMKckqCBg5xg40NK1ay1vT0vtMm86Byy5KMjKykqysrAMrAggqQCCMEUAQXPh7TrrXrfWZI5lv7ePyllhuZIg6ZJCuqsFkUEkgMCASaNV8PadrV1Z3N9HN9osXZreaC5kgdN2Nw3RspKnAypyDgZFVLDxroOpXxtLS7kMpha4iaS1ljS4iXGZIXZQsy/Mp3RlgQwPQg1Fo/j/AMN69dWdvpd/JK1/GZLOR7SaOO5AXcwjkdAjsozlQSww2QNpwAW/+EU0X+z5LH7H/o8t/wD2i6ea/Nx5wm35zn/WDdjp2xjio5PB+jvq8mpRre2txLKJ5RZ6jcW8csgAG94o3VHJCgEspyAAciq2lfEPwzrVzaQ6dqDy/bSVtpmtJkhmYDJRZWQIXABygO4YIxwaxvCPi3U9Qh8PJqN7ZudQOpmfzYmWZ/In2x+XsHlgKvDbsE/LjJzQB1utaDp/iCzjttVheRIZVnieKZ4ZIpBkB0kQhlOCRkEcEjoTWfD4D8NwabdWEWnbYbu5W8mb7RIZGuFCgTCTdvWT5FO8EMWyxO4klbHx14d1DzTbX7COOF5xNNbSxRzRqwVnid1CyqCyjchYfMv94ZzdY+Jekaf4Y1fVbOG9uptLVTNYy2NxbzKWBKFlePciHB+crt4PPFAGyvhTSv7DvNHmF7d2V4CJkvNQuLhiCMcPI7MvT+EjB5HNJceENEuNGsNLa0aO204KLMwXEkMtvtXaCkqMHB25BIbJBOc5NVLfxSt34ntbeOaGDT5tMnvDFeWtxb3QMcqIXIkVQsYDHO7DHKkZXJqXTvHPh/VbmOC0u5g80LXEBns5oFuY1ALPCzoBKAGByhbgg9DQBZg8L6XA2nOUuZ5NMlkmtJbq9mneN3RkYlpHJb5XYYYkDPGKq2HgTw9puoRXdnZSq0ErzQQvdzPb28jklmjhZzHGfmblVGNxx1NN0bx94b1+5todKv3lN5A09tJJazRRXCqAW2SOgV2Xd8ygllw2QNpxd0PxNpviNHk0hrqWFVDLPLYzQxSqejRu6BZAcZypIxg9xQBzvhX4bWGkoLjV4hcXyanc36CK6mNvueaRo5GhJEbSKjqNxUkFRg/KDXQ/8Iro32V7b7H+6fUBqbL5r83IlEofOf74Bx07YxxWDqvizUbO+8XXGnwNew+HbCPZYovM9yyGU8gE4CGIYHq3tV/wxrtxeaHPq+pa3omqaYIRNHf6XG8SLgMZFZWeT7uAc7s8kFV25IBoXvhbRtRGoi9shL/aXl/aSZGBYx/6tlIPyMvUMuCCAc5GagXwdo/9nPYzi+u7d54rgreanc3BEkTh0IaSRiMMoOAQDjkGsfwd4x1PWrPUl1y0t7S/ht4r+2hjVh/os0ZaPeCT84ZXRscZXtms/wAL+NPEF3N4PbXX0u5i8U2bzpFZWskEloywiXJLSuJEwdpOFwzJ1zwAdhe+GNH1FtUN9ZLN/a1qlpehnbEsSb9q4zxjzH5GDz14GLNrpVpa6T/ZoWW5tdrIy3s73LOrE5DPKWZhyRgk8cdOK5/W/G9p4e8eWOk61f6dpum3Wmz3P2i8mERMySxKqBmYLyrucYzx7GqemfESC88O+LNcEtpeWGi3skFpJYtvFyiwROoDAkMxeQrxx0GKANrRfBeh6BcxXGnW9wZYYfIga5vZrn7PHx8kYldhGp2rkLjO0egrQ0vRrDRtDt9H062EVhbRCGKBmLgIBjaSxJP45rkF8aaza/DnxPf6nBYr4h8OpcC4hiV/IZ1j82JtpbdtZHQ/e67sHimWHxBvrrStC862todTm1pNJ1WAhisTeU7lo+cgMFR1zn5XwcmgDaX4d+Gvs80EtpdXEc1rJZ7bnULibyoZAA6R75D5QYAA7NuQAOwrX1HQ9O1Wwgs762EkFvNFPCquyGN4mDIwKkEEFR39ulc1feNbu2+IEWmxw27aIk8Wn3VyQfMS8ljaRFBzjbgRKeCczL0xzteLNS1PRvDs2p6PapevZkTz2pUl5oF5kWPBH7zbkrnIJGMc5ABe03SbLR4Z4tOh8lLi5lupBvZt0sjl3bknGWJOOg7UX2k2WpXNjcXsPmS6fP8AaLZt7Dy5NjJu4PPyuwwcjmuHvPiNfS+FNc8UaJbW82h2zxQafcyRufNzIEmuWAOTCm7oACfKc5AIIt6t4g1nT/h9c+Ihq+l6hFZSx3Yu9LiPk3VorL5q7WaTB2+Zgq55CnjkUAdBqPhPRdWvLi61Cy86a5SCOZvNdQ6wSGWIEAgYDkn36HI4q5f6PY6ndWFzeweZNp8/2i1kDspjfYyE8EZBVmBByDnpwKughlBU5B5BHeigDn7rwL4bvvCtt4cutMWXSrVkeC3Mr/u2U5Uh927Oc9+5HStSw0my0ya9msoPLkv7g3Ny25mMkm1VzyTj5UUYHHFXKKAKWkaPY6DpqWGlQfZ7VHd0i3swUsxZsbicDLHjoOgwKu0UUAFFFFABRRRQBzdj/wAlT13/ALAum/8Ao++rpK5ux/5Knrv/AGBdN/8AR99XSUAFFFFABRRRQBzdj/yVPXf+wLpv/o++p3jLSdZ1fT7SLQ7kR+XciS5tzeS2f2mPaw2CeIF4/mKtlRztweCabY/8lT13/sC6b/6Pvq6SgDxyXw3rfha68LW6NZzahceJ7u8iSW6mlj2vaTHy3mcGQnAK7yGOcNtP3at+IdE1nTUstSuTYLrOr+LLa6+zxu728O2ExIm/arNlYwS20csflOOfWKKAPPbnwTrmq3U+p6g2n217daxpt49tBM8kcUFpIrECQopd2G48qo5A7Zp3/CE6zZ3C6nYSWE1/a+ILrVLeCeV0ilhnjaMozhCUcK+chWGRjkHI9AooA4XXvD/i3W5rGWee1EPkSpcWVrq11ZLDIzgpIJYlDz7UypVtgJ54zxD4f8G674cPhCSD+zrqTStHbSr5HuHjADPCxkjIjbcR5R+Vguc9RXoFFAHnVh4I17RH0rUNPbTbq+0+71Nmtp53jilgu5jKMSCNirrtj/gIPzD0NTWvgXVFv9O1G6nsxc/8JDLrN7FG7FI1a2eFY4yVBcgbMkhcnccDpXf0UAcJeeDb4x62Bp2n6l/aGtjUrcSalNZPbAW8UYdZYo2dZN0bD5cZVj83JFb2l+HjL4LtNF8X+RrrrEq3P2uMTJIwORncPn28DcRk7dx5NbtFAGHYeCfCulX0d7pfhnR7K7iyY57awijkTIwcMqgjgkfjXPeKPA2p63feJ5rSe0RdX0+ztYBI7Aq8MsjsWwpwCHGMZ5z0rvaKAOK8WeCLnxJqGryx3EEMd9oq2EbMCWWVZWkBYAcpyO+etVb7wh4h8UajfTeI20zT4LvQbrSPLsJpJ2jaYofM3MiZHyn5cDGBy275e/ooA8mv/B95pnhDXb3WdOh8+08P3sMN4PEd7fHLRfMFhnULGrbQThiRtUc9Rqad4Y1vxJaaRLr7afa2dnpMttA9lI7yTmeJU3srKBFhRnaGfJP3uOfRaKAPNdE+HuoWkMUOpWVvLNaWMttbX7eIr65wzR+XuFtKpSMMOoDNt6DNasHgq7+w+Eba4mgxo2myWV00bNli1usWY+ORlc847V2tFAHn2jeE/FEFz4Pt9S/seOw8LkoHtppXku1+yyQK+0oojI3KSmXzk/MNoDVvC3w4utCutKtb+0jv7PSpi9vev4hvSVIDBHFmymJWw20gPjkkelelUUAcLpngjULPwz4R06aa0abQ9S+1zsrMVZdky4Q7ck/vR1x359dfwrpGqaHdatbXiWb2Nxfz3ttPFOxlPmyFyjxlAFxnGQ5z6CujooA891LwZ4hm03xH4fsjpbaRr9zLK97LM63Fss2PNAiEZWQj5tpLr1GRxz0Wj+H7jTfGWt6o8kbWt/b2kMKhiXBhEgbdxjneMYJ79K6CigDm30fVIPiO2uWiWc1jd6dDZXAlnaOWExySuGRQjB8+bjBK4x1NY+i+BtR07w94DsZ5rRpvDku+7ZGYhx9mli/dkrk/NIp5xwD9K7yigDzXwt8OLrQrrSrW/tI7+z0qYvb3r+Ib0lSAwRxZspiVsNtID45JHpXR69o2r/8ACW6b4i0CKxup7W0nsprW+uHgVkkaNw6uqPhgYgMFeQx5GOenooA81TwR4rtdB0+zW+tbkx6hfXV7b22o3OmpcmaZ5I2E0QaRdu85j5UluWO0Ey6N4I1/w9pHhdbVtOvbzRri8M6TXMsaSxzs5DLIUdtw3LwwOefm7n0WigDzTUvAnibVPFMV5d3sM8EGtw6hHO+q3QH2dJFIgFmF8lWVRjfkliuSAWJDl8E+J3sNR0Kd9J/snUNcl1J7tJpPPiia688RiMptZjhRu3gLuPDbQW9JooA8z1jwJ4m1fxMl1c3kM1vDrltqEMz6rdKBbxyo/kfYwvkhgFOHySxGSAWytuTwNql/qWrRkW+haXqVpdwXENjqU1yty8wCiXyHjRIWHzMShyzMck5Jr0GigDhPCPgy80rVrS61nT4WmsbZoYb0eIr28OWChtsEy7YwwXPDHGAOetd3RRQAVzdj/wAlT13/ALAum/8Ao++rpK5ux/5Knrv/AGBdN/8AR99QBNqeh3N7430HWIniFvpsN3HMrE72MojC7RjB+4c5I7da5mbwV4jt9Pjt7C5geD+2L+9ns4tTuLDzo55XeL9/ChdSm7lANpJ6/KM+iUUAecaT4G8QaD4e8Mx2bade3+iaje3MkU91LHHNHOZ8YlKO+4CVScqc4PPc3LjwPqD6XrohmtRfz68us6Y5dgsbIItquduRny2VsBvlc9a7uigDzi6+HN+NG8PNBOlxqWmtcS3qrqNxYrdy3HzTOJ4fnX958wypBHBA6jqfC+hNonh+W2jtY9OuZ5ZJpAl/NfjzG/jMswV3JwCQQP61vUUAeXaX4G8R2es2Osa7dQzvYWF1DcTHVrq6a6eRF/eLFIoSAEqSUTgZAyQBTPh9ouuaz4T8AzakNPh0vR7WK9hlgldp7hjbmNEaMoBGAsrZIdtxUcLnC+qUUAeS/D3Rtd1vwP4OS7GnRaRp0qXyTxyObiUrv2xmMrtXluXDnIX7ozxr6X8PNQt49Civbm28uxi1WK4MTsSRdSbkKZXnA65xz0zXodFAHC22h+NYfA7+HornSbGS004WlnfW00rPO6hVRmUoPIBRSDtMhBcEH5cNjp8Ntans/FomltrWTXNLhtLdJNUutQ8qSMyn55ZlDFTvXoOOeOMt6lRQBw+q+D9U8T6k91rP2PT0u/D19pFxHa3DTmNp5I9rIzRpuAVCTkDk4wRzTYfDXiTVL3RJfEK6VarolvKsZsbiSX7VK8Jh3ENGvlIAzHbl+SvPy5PdUUAcPpfgvUbDSfA1vI9nLL4ctzHcje22Qm1aHCHb03EdQOO2eKseDfDeq6Hqd3JPHb6ZpkkKpBpNpqU17DG4ZiXQyxp5IwQojQbcDoMV2FFAHEWP2+w8eeMbSx8gXt/Ha6nYi6yIpcRCB1JXkYMK5IB2+Ypwehyr74fazrNzrdzNBpOjHXUtrO/tdPuJHWaBJWeaVpPLTdKyO0YyvA/i549MooA4l/AJ03xRZ6r4euZ9jWk9jfpqOpXNyZImAaPYZWfBWRegxw7fSrvgHwTYeDfDGnWqabpsGqR2UUF7d2cCqbh1UbiX2hmBOTk811NFAGDNoVzJ8RrPX1eL7LBpU9kyEnzC7zQuCBjGMRtnnOSOK5y6+H+o6hPqFpd3MK6VqXiMardLDPJHK0CW8YjQFQCG86JGJDDAGQc8V6DRQB5zrHw2uwPEUHh26xa69okllONSv7i4cXIyIpN8hc7drspGeMLgHmp9b+H99eeNPDmuaZdwQx2csTapbyM2LjykZYnTA++PMdecZBH90V39FAHmsvwqe+8I6gt9f3C+I72aW+8+LUrn7LHdly8TeTuCEIRGBlM4QV1fiLTdZ1rwsum209vZ3F4Ehv5kdv3UTD995JxksRlVJ24zu6jB36KAON0jw1rPhFdTs/Cq6a2kNKlxp1jcySRi3ZifPiBVW2oT86kBsMzDbjFc1r3hm90jwT4v3WtjZXfiqWKzg03TWMkMUkoEJfcUTczbi7HYvC85xk+r0UAZ9omqx6xdJcfY/wCyVhiFn5e/z9/PmeZn5cfd24989q0KKKACiiigAooooAKKKKACiiigDm7H/kqeu/8AYF03/wBH31dJXN2P/JU9d/7Aum/+j76ukoAKKKKACiiigDm7H/kqeu/9gXTf/R99T/GQ8QHTbU+GTOCLlTdizMH2lodrD9154MW7dsJ3/wAIbHOKyrmfXIfinq/9g6dp97nRdP8AN+23722z9/e427YZN2ec5xjA654dq1h4g16BIdd8E+EtSijbekd5q0kyq2MZAayODigDDvPiBdaRY2+pw3lzqOnavo3/ABK/tkMccragjFRGwVVG6TevGNuY228GtC5vPEeg+INM/wCEk1XUX0thZ2i3NhDamKa5Y7G+0Kyeau+QqB5XygEZ24JpusaH4v1e60DPh/w1DZaLdi7jtF1eXDOkbJEAfsnyBd2cAdh0q22k62+uDWn8CeD21UYxfnVHM4wu3/WfYt3Tjr04oA5azvdW8IeBvFurWWr3mo3EeuS2qJcx222NnuUjM/CR/MA+7DME46KMmruo63430Twzr1zMuowRRJatYXuspYvMsrTBJUKWzbGTaVIJCtlmGehG+NO19by8ux4I8Ii5vk8u7mGqyb7hMY2u32LLDHGDmq9n4e1PTra4t9P+Hngq1guthnig1FkWbYcruAssNgkkZ6UAZ92/iqHXPEOkp4wutmm6VFqMNwbG280yv5y+Wf3e0xAw5xt3nd98Y57XQNeg1bS9Naae2TUbvT4r17RJBvVXUfMFznbuJGaymHit7iadvCfhhpriIQzSHWpd0kYzhGP2PlRubg8fMfWmQQ+J7a5S4tvB/haGeOAWySx6xKrLCDkRgizyEB529KAOvorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkorm/t3jf/oXvD//AIPp/wD5Do+3eN/+he8P/wDg+n/+Q6AOkrm7H/kqeu/9gXTf/R99R9u8b/8AQveH/wDwfT//ACHXP2d54x/4WTrLLoWhm4Ok2AeM61MEVfOvNpDfZckklsjAxgcnJAAPRKK5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDoA6Siub+3eN/+he8P/wDg+n/+Q6Pt3jf/AKF7w/8A+D6f/wCQ6AOkorm/t3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOgDpKK5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDoA6Siub+3eN/+he8P/wDg+n/+Q6Pt3jf/AKF7w/8A+D6f/wCQ6AOkorm/t3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOgDpKK5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDoA6Siub+3eN/+he8P/wDg+n/+Q6Pt3jf/AKF7w/8A+D6f/wCQ6AOkorm/t3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOgDpKK5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDoA6Siub+3eN/+he8P/wDg+n/+Q6Pt3jf/AKF7w/8A+D6f/wCQ6AOkorm/t3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOgDpKK5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDoA6Siub+3eN/+he8P/wDg+n/+Q6Pt3jf/AKF7w/8A+D6f/wCQ6AOkorm/t3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOgDpKK5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDoA6Siub+3eN/+he8P/wDg+n/+Q6Pt3jf/AKF7w/8A+D6f/wCQ6AOkorm/t3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOgDpKK5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDoALH/AJKnrv8A2BdN/wDR99XSVxvhyXVZviTr7a5Z2dncf2TpwWOzu2uEK+de4JZo4yDnPGD0HPOB2VABRRRQAUUUUAc3Y/8AJU9d/wCwLpv/AKPvqm8Va5c6GmkG0SJ/t2q29lJ5oJwkhIJGCOeOOo9qhsf+Sp67/wBgXTf/AEffVN4q0O51xNIFo8SfYdVt72TzSRlIySQMA888dB70AQr8QfDTam1iuoOZUuzYyOLSbyo7gMU8p5dmxGLDADMM5XGcjOTf/ET+xBetqES34j19NLjTTrW5doUZYj+8xG2ZB5hOF4bKqp3ZpJfA+oyeFdT03zrTz7vxENVjYs21YhepPgnbkNsUjGMZPXHNMu/BOr/ZdZe0ksnubjxLBrVrHLK6o6RiAGN2CEoT5TchWAyPfABsWviuM6zq4vbq2i0+zs7O5ijNvPHcx+d5nEiuo5YqAqKN+cgjJArM8R+OYpfDMl14au5obq21WxtLmO5s3hliWWeIENFMgYBkc4OO+Qcim6j4V8SXd34i1Cxu7TT7zV7HT4UWG5k+RoWkaZPNCBlDCTYsijcMltoIFZEPw21toNYaWS1hfUL7TLmOKTU7m9MS20wdwZpl3sSFyOAATt4A3EA6P4keJpvDfh+1+xyXUFxf39taLcW1k9y0KvKiuwUIw3bSdoIO5sABjxViXxroWhwpaalqd7cSwQRyXNxJp8rGFWGQ9wY4gkBI5IcJgc4Aqz4u0K51+x06GzeJGtdVs71zKSAUhmWRgMA8kKcds9xWFqPhfxHDdeJrXRBpU2n+JG8x57yaRJbN2hWGTEaxsJV2orAFk5JB9aAN++8ZaFp2oLZXF47TFY3cwW0s0cCyHCNLIilYlODhnKjAJ6A1K3inRk0+7vWvMW9nefYZ38p/km3rHtxjJ+Z1GRxz1xWBpvhjXfDGsXR8P/2dd2V9HaJJLfTOktsYYhCWCqhEoKKpClk5zzg5FDUPBniSSHV9KsTpI0zUNZj1RbmWeUTKPMikaIxhCudyNh954wNvcAHXweJtMutel0i2a6muoXMcrx2MzQRuFDFTOE8sNgjgtnJx14pdY8S6ZoU0EF/JO1xcBjFb2lpLcysq43N5cSs20ZALYwCQM8isKPw3q6ePV1WzhtdIsTcPLdm11KaX+0AY9g32xjWJHyEJkBZvkC5IPFrWNH1qDxjD4h8PxWF27WJsbi1vrh7cbQ+9XWRY5OckgqV545GOQCWf4geGoLbTZ/7RaddVjeSxS2tpZ5LgIVDhURSxZS4yuNww2R8rY0rLVodd8PjUfD1zFMs8b/Z5ZUYKHGVw68MMMCGU4III4NcroHgS/wBH1jw/ezXVvKbKPUpL3ZuXM13LHLiMY+4pVhyQcYOOTje8H6HceHtEms7t4Xd9QvLlTCSVCS3EkijkDkK4B989etAGJF46ur/wLoOo2EFumr6xdQ2X2aYEpDPuIuAQCCfLEcx6/wAIq9Z+M7a3028utdvLZvL1a4sLdNPt55Hco5CxiPaXeQKMtsBXhiOBmqWk+Bryw+I13q81zbvoqyTXdhaKD5kNzOEE7NxjHyuRg5zM+e1Zl58OdUkiW4inhkuYNcvdRjgj1C4sxLFcFvlM8Q3xsAQeAwOCOhyADsbHxZouoyWUdpds0l880cKPBIjb4v8AWIwZQUdf7rYPB44NJbeL9CvLOzurW/WWG+vGsbdljcmSdd+VxjI/1bnJ4wM5wQa5a58CainhJf7BtrLS/EMGpf2jC8+p3F9G0pXy3Zp5E8zLREjG0gHHWrmi+BJ9H8XW08c0J0Sxt91pAGPmLcmGOAsRjAURxnvkmRuO5AHeOfF1z4d17QrCLV9F0a31FLlpr3V4i6IYxHtUfvYxk7z1ParXhLxpHrPh/RJ9XMUF9q0k8dsII38u58ov+8TOdqsibwGPQ4yepXxNo+t3HirQtb0GCwuTpsV1HLBe3b2+7zRGAVZYpOmw9QO1YsHgfW9OGn6pY/2bLqsGsXWpy2bzPFbAXEbI0aSBGbjcDuKfMdxwueADoL7xVGdV0u30y8s/Lm1WTTrpbiKXeXSJ3KR4GNwKg5b5cA4OcVleGvHMMXhCyvPE15LNe3moX1vBHb2jzTTCK5mUBYoULELGgyQvGMk5PMFl4I1sXemXeoT6eZoPEU2rzrAz7RHJA8YRcrksGcdcAgZ46VFp3gnXtBTQ73T/AOzby/02bU1kt7i5kiieG7uDMGWQRsQ67YwRswctzwCQCXw140vdUudO/wCJhZTW2oa5qNqhlicSSQxCVoli2LtBAQZMmMgHq2K3NO+IHhrVb22tbDUHka6kaGCQ2syRSSKCWjErIE3gK3yZ3cdKxNJ8D6za6jol5qFzYySWWtX+pXJg3qGW4jmVQgIPIMoyCegPJqbTvBOoWnhfwzp00tq0+kasb2ZlZirJumOFO3O7Eg6gd+aANVPH/h2XW4NKhubqW5uLh7aFo9PuGhkkTO9VmEflnbg7iGwMHOMGukrwzwPqCReJ9DinvI9UVL+7FrpqapGbnTXlMpaWS0WAOmAWRg8zhBIQMnFe50AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc3Y/8lT13/sC6b/6Pvq6Subsf+Sp67/2BdN/9H31AE2r65c6f4u8PaVCkTQao1wJmcEsvlxb12nOBz1yDUOk/EHw1rl1aW+l6g8xvQfs0jWkyRTMoyyJIyBGcAHKA7hg5HBxNq+h3OoeLvD2qwvEsGltcGZXJDN5kWxdoxg89ckVhaV4H1Gx8NeCdPmmtGn8P3ouLllZirr5M8eEO3JOZV644B9sgEcHxLS0h0RNUga/l1S7vIHn0mxu5I4xC8oG1fLLM37sKw9dzD5Rmtmy8VxxDW5NXurZ0sdUNlBHY288kp/dRuIym0tJL8zMfLBG3Ho2MOz8F69pGleH2sf7Our7SNUv7t4ZriSKKWO4a4wBII2IYCZcjYRwRnoade+DfESw6z/Zl7Ao1DXxqLwR3s1qZ7f7PHH5RnjUvE29N2UByFAzhjQBc1Hxit7e+FZPDt632W+1mSxvEeAo/wAkEzNG6SKHjYOinBAPHoeWePvE0+l6x4e0a0u9RsG1S7dZ7qx05rmRI0hkfCfu3XcWVQRtJC7jgAZGbofw81fT20yS5ntc23iKbV5F+1zXBWJ7Z4wgkkG6RwzD5mxkDPGdo6vXNCudT8UeGdSgeJYdJuppp1ckMyvbyRDbgYJ3ODyRxn6UAMl8ceH7XUjp89/KZI51tZLj7JKbdJjjEbThPKV8kDaWByQMZ4qb/hL9F/tw6St1I1yJvs7OltK0KS7d3lNMF8tXwR8pYHlRjJGeVk8E+IG0W98Kq2mf2Hdak92NQM8gukief7QyeT5e0tvLKH8wcYbbkYrZ0TRvEGg6ve21qumTaRe6lNftdSTSC4jEp3tH5QTax35AfzBgEfKduGANW38U6Ndafpt7BebrfVJ/s9m/lOPNkwxxgjI4jbk4HH0pdK8TaZrd5Nb6Y11N5JcNObGZIGKttbZMyCN+cj5WPQ+lchpfgzxJaReH9LmOkrpmhao92k8c8rTXMZ84IChQCNgJRn5nBIPI76fhrw3q+meKJr1obXSNLeKXdp1nqU11FNK7hhIEkjRYMfOSIx8xkJPTkA1tZ8ZaJoF01tqNxcGaOHz5UtbKa5MEfPzyeUjeWpwcFsA7Tjoag1Hx94b0u6W2nv3mme0S+SOytZrotbtuAmHlI2U+Q5boPlzjcuaN/ofiOx8R61f+HY9KuodahjEgv7iSFraREKBgFjfzFIwdpK8g888R+G/Ak3h3VUMdzHcWUPh210iNnyJHeJ5SWK4wFIkHc9x9QDU8Va21v8NNa13QrtC0ekT3lncxhXUkQs6OM5BHQ85BqDQ/HeiapapH9uk+0pZfanMtrLEs0agb5IiyBZUB/ij3DkeoqvF4Rv0+Ch8HmW3/ALQ/sFtN80M3leaYDHnOM7c98Zx2qta+FNe1LUrCTxKdNgg0vTp7KFrCR5GuWlVUMjB0XygFTOwM/Lfe45AOjHiTTZrfTntbpWbVrdp7AtG+JVCB8nj5RtIODg/jXL+H/GF7qOvaM9/qNkbC68NPqVw9uhjtzIJYx5imQB1UKzcNjjqKZonhPxPDN4aj1Y6THa+H7KSzVraeWR7nMIjWTDIoT7oyvzdT83GDU0/4Y340Oy0vUby3SNPCUugzyQMzESuU+dQQMqAp6kHpxQBdk+IEOqeKNKg8PXji1n028upEvLGWFZdqxGKQb0DtH8zfMnB564rRs/iFpEOj6QdXvVm1G+0yG/MWm2VzMJEdeZI0CF9mc/eGQMbsZqhF4b8VajqemXetJo1omn6Zc2Qis7iWXzHlSMb9zRrhfk+7gkf3mzgWfCXg7UNB1DR57ya2dbHw1baTKImYkzRkFmGVHyeh4PtQBqX3jnw/YWVldyXrzxX0Bubf7Fay3TPCACZNsSsQg3LliABkCrS+J9JbwmfExuHTSVtjdmeS3kQ+UBnfsKh8YGRxyMY615Dq+mXfhOXw9pE2v2Wi3Fr4fezmuJdTjsIZlaQZWOWW3l3sNoJARGQEHd8+B36aefFfwP8A7L0exGkG/wBENpa2ty7FbfMWxAWxuKjjDEZIwcZ4oAtD4l+FmkeOO+uZJVjWZIo9OuWeeJt2JYlEeZY/lP7xAygYOeRm9deNNCtbWwuBdyXS6jF51oljay3Uk0eAS4SJWbaMjLYwCQDyRTLfQbqLxlaas0kJgh0g2LKGO4uZEbIGMbcKe+faub0Pwd4j8LJol1pg0u/u7XSRpl5b3FzJAh2vvV45BE56kggpzxyMcgHSTeOvD0Wn6deJfPdR6oGNmlnay3MswUZfEUas429GyBtPBweKx/C/ju1l8Ipqutagbn7Vql7b2f2a3aaSdEuJRGI44lLPiNAcgHgEnuap6b4H1zw5daVqulNp2o6hDHfJewXM8lvCTdTrOxidUcja67QCvzKc8Hiqn/Ct9aXStKeW6trrUbC/1C4kjtr+50+OdLqVn4lizJGRlTtw46rk/eoA3rjxaL7xN4VGi3wbTdRkvEuVaLaSYoidrBwGRlYHKnBBGDW3ofibTfEaPJpDXUsKqGWeWxmhilU9Gjd0CyA4zlSRjB7iuZ03wPc2V/oV5BZWlmbKe8uLy3Opz3hleaPYG86VNzEnBbIGO2aueDfDeq6Hqd3JPHb6ZpkkKpBpNpqU17DG4ZiXQyxp5IwQojQbcDoMUAZp8boPiDr66hqWpWOkeHrRJJIV0t/Jl+SRpXkkMRbAwpQIy7tpI3g10P8AwnWgHTYb5bi5eG5lMVqEsLhpLohd+6GMJvlTb829Ay4BOcA1k654L1HU4vHKwTWqnxFp8drab3YbGWF0JfC8DLDpnirmtaBq39reH9Z0QWU93pME1tJa3krRRzRyqm4iRUcqwaJCPlIILDjg0AWJfH/hqHTLa/k1EiG6umsol+zymU3ChiYTHt3rJ8hGwgMTgAZIBitviP4Wu5Ikh1CXMk/2Zi9lOggm3lBHMWQCFywwFk2k5GAcisi18C6ot/p2o3U9mLn/AISGXWb2KN2KRq1s8KxxkqC5A2ZJC5O44HSrN54M1G40DXrFJrUS6jrcWoxEu21Y1lgchvl+9iJuBkcjn0AOm1nXbDQLWKfU5JFWaUQxJDBJPJK5BO1Y41ZmOFY8A8AnoKo3/jTRdNhtnu5LwPcwtcJbx6dcSTiIYy7wqhkRQSASygAkDrR4v0mbWdLht7bS7TUHSdZV+0ajLYtAyg4kjlijd1bnHG3hmGcEg4Fj4Z8WaJeWGqW1xYazqI0ldPvBqFzJDyshdHWVY3L43sp3KC2FYkHIIB0MfjLQp9dOj2141xeqqu6QW8kiRoyB1dnVSqqVPDEgHoDkYqCLx5oNw88dtPdSSxW7XKJ9guB9piXALw5T98vK8x7hhgehFJpXh/UbLxB4i1Ga6tw2qrb+TJEh+R44djMUPQbuQNx46muZ8OeA/EVr4o0vVdduYZHs7C4tbmU6tdXjXMkgjzKscqhIQShJRMAZAyQBgA29F+I+k6n4M0/X72K7sPtqxqtq1nO8jyugbZEvlhpwBk7o1IwCegOKNz8QLaLxzpaR3k8mj3mk3Ugt4bGSSZ7iO4ijx5SoZQyjzQyY4w24DbxBpvhDxLp3h/wvGsekvqHhc+TAhu5PKvYTAYizN5W6J8HIAVxxjPORt2eh6zL420/xDqxsUMWlXNnNDbO7bXknikQKWUbgEjwWO3J5CgHAAN/S9Ts9a0u21LS7hbm0uoxJFKucMp9jyD6g8g8GrVYng7RZ/D3ha20y7aJpYpJmJhJK4eV3GMgdmHatugDm7H/kqeu/9gXTf/R99XSVzdj/AMlT13/sC6b/AOj76ukoAKKKKACiiigDI1Xwn4c166W61zQNL1K4RBGst5ZRzOqgkhQWBOMknHuapf8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAGbpHhzQ/D/nf2Do2n6Z5+3zfsVqkPmbc43bQM4ycZ9TWlRRQAUUUUAf/2Q==)

Q: **How do you define a CDS View in SAP?**

A: A CDS View is defined using a DDL (Data Definition Language) statement in the ABAP Development Tools (ADT) or SAP HANA Studio. The statement defines the view name, data fields, and other attributes, such as filtering and sorting criteria.

Q:**What is a CDS extension?**

A: CDS extensions are used to enhance existing CDS views by adding additional fields or annotations. They allow developers to modify the behavior of CDS views without having to create a new view from scratch.

Q:**What is Associations? How it is different from Join?**

A: An association defines relationship entities. An association associates the current CDS view as a source data source with the target data source target using an ON condition.

Although associations and joins look diﬀerent, there is no diﬀerence on the database level. Eventually, any association is translated into an ordinary join. But in the case of so-called exposed associations, it depends on the way a view is consumed. The join is only executed if the consumer requests data from the associated data source. This can have a positive effect on the performance and sometimes is referred to as “JOIN on Demand”.

Associations may contain additional semantic information such as cardinality.

Q:**What are the types of associations?**

A:

* Ad-hoc association
* Exposed association
* Filtered association.

Q:**What is Union and union all?**

A: UNION joins the result sets of two queries.

The rows of the result set of the query after UNION are inserted into the result set of the query before UNION.

If the addition ALL is not speciﬁed, all duplicate entries are removed from the results set. They are not removed if ALL is speciﬁed.

Q:**How CDS view and SQL view are related?**

A: A CDS View is deﬁned in a DDL Source, which is a new type of repository object.

Upon activation of a DDL Source, two objects are created: the SQL View and the CDS View.

The SQL View is visible as an object in the ABAP Dictionary where it cannot be edited and only reveals a fraction of the information available in the DDL source. It serves as a representative of the database object.

The CDS View carries more semantics than its SQL view. It is not created on the Database and it is not visible in the ABAP Dictionary. It can, however, be consumed via open SQL.

Q:**What is the use of Annotation?**

A: Annotations enrich the CDS definition with metadata.

It starts with character @.

The annotation specifies the properties and semantics of an entity and its​​ behavior when it is consumed.​​

Q: **What is the cardinality in an association?**

A: Cardinality in an association represents the number of occurrences of an entity that can be associated with another entity. The possible values for cardinality are:

* **[0..1]**: zero or one occurrence of the entity can be associated with the current entity.
* **[1]**: exactly one occurrence of the entity can be associated with the current entity.
* **[0..n]**: zero to many occurrences of the entity can be associated with the current entity.
* **[1..n]**: one to many occurrences of the entity can be associated with the current entity

Q:**What is AMDP?**

A: Allows developers to create and execute database procedures in an ABAP environment using ABAP method.

AMDP is the top-down approach of using HANA Database Procedures in ABAP.  Allow the execution of complex calculations inside the HANA database. AMDP only requires ABAP Application Server (AS) for developing, managing and calling database procedures.

Q: **What makes AMDP class and ABAP method different from normal class and method?**

A:

**AMDP class**

* Can contain both regular methods and AMDP methods.
* One or more AMDP methods can be present in AMDP class.
* Can only be created using ADT.
* class with AMDPs must implement interface IF\_AMDP\_MARKER\_HDB

**AMDP Methods**

* AMDP methods can be defined in the public, protected, or private visibility section of the class.
* Although you can define AMDP methods as instance methods, they are always executed like static methods.
* All AMDP method parameters have to be passed by value, and must be of either table or scalar types. Pass by reference is not permitted
* Exporting, importing and changing parameters are allowed. Returning parameters are not allowed
* AMDP Method is specified with addition BY DATABASE PROCEDURE in the method implementation part, followed by the database system (for example, HDB) and the implementation language (for example, SQLScript).
* For parameters of table types, the line types have to consist of elementary components, because nested tables are not supported. ABAP Dictionary structure types are not allowed.

Q:**Comparision between ABAP CDS view and AMDP**

A:

A table with text on it

Description automatically generated

Q:**When to use ABAP SQL, CDS views, AMDP ?**

A: ABAP SQL, CDS views, and AMDP (ABAP Managed Database Procedures) are all options for accessing data in SAP systems. The choice of which to use depends on various factors such as performance, complexity, and data structure.

**ABAP SQL** should be used when simple data retrieval or manipulation is required, and the underlying database tables or views are well-structured. ABAP SQL can be used for basic SELECT, INSERT, UPDATE, and DELETE statements, and it is suitable for simple queries that do not require complex data processing.

**CDS views**should be used when a more complex view of data is required, and when the data needs to be accessed from multiple sources. CDS views can be used to define complex joins, unions, and aggregations, and they are optimized for performance. They are also suitable for creating reports and analytical applications.

**AMDP** should be used in situations where complex database processing is required, and performance is a concern. For example, if you need to perform complex calculations, aggregations, or join operations on large data sets, using AMDP may be a good option.

It allows database-specific functions to be accessed that do not exist in Open SQL.

AMDP allows developers to write database procedures in ABAP that can be executed on the database server, rather than in the application server, which can result in improved performance.

In summary, ABAP SQL, CDS views, and AMDP all have their use cases, and the choice of which to use depends on the specific requirements of the task at hand.

**Interview Questions and Answers**

Q: **What is CDS Table Function?**

A: The AMDP framework supports AMDP functions alongside the existing AMDP procedures.

AMDP functions use the new addition BY DATABASE FUNCTION of the METHOD statement in AMDP classes.

AMDP functions are functional methods of global classes which deﬁne functions stored and executed on the database. It is not allowed to call functional methods that deﬁne AMDP functions directly in ABAP

ABAP CDS introduced CDS table functions to make AMDP functions available as data sources of SELECT statements.

Q:**What is the difference between AMDP procedure and AMDP function?**

A:

A close-up of a document

Description automatically generated

Q: **How to use Select-Options in CDS view?**

A:

SELECT OPTIONS is not an SQL feature so

1. Conversion of the selection tables into an SQL WHERE clause using method CL\_SHDB\_SELTAB=>COMBINE\_SELTABS( )

2. Handling of dynamic WHERE clauses within the AMDP function method using the function APPLY\_FILTER

Q: **What is SAP ADBC?**

A: SAP ADBC stands for ABAP Database Connectivity, and it is a programming interface that allows ABAP programs to access relational databases using SQL statements. ADBC provides a way to connect to databases and execute SQL statements without needing to use Open SQL, which is limited to accessing the database schema defined in the ABAP Dictionary.

Q: **How to create ADBC?**

A: Below steps are involved in creations of ADBC

* Call method get\_connection( ) of class CL\_SQL\_CONNECTION to get database connection only when accessing secondary DB
* Create a statement object: Instantiation of class CL\_SQL\_STATEMENT
* Fill string variable with SQL syntax
* Call method execute\_query() of class CL\_SQL\_STATEMENT to issue native SQL call
* Call method set\_param() or set\_param\_table() of class CL\_SQL\_RESULT\_SET to assign target variable for result set:
* Call method next\_package() of class CL\_SQL\_RESULT\_SET to retrieve result set:
* Call Method close() of class CL\_SQL\_RESULT\_SET to close result and release resources

Q:**When to use ABAP SQL, CDS views, AMDP and ADBC?**

A:

BAP SQL, CDS views, and AMDP (ABAP Managed Database Procedures) are all options for accessing and manipulating data in SAP systems. The choice of which to use depends on various factors such as performance, complexity, and data structure.

**ABAP SQL** should be used when simple data retrieval or manipulation is required, and the underlying database tables or views are well-structured. ABAP SQL can be used for basic SELECT, INSERT, UPDATE, and DELETE statements, and it is suitable for simple queries that do not require complex data processing.

**CDS views**should be used when a more complex view of data is required, and when the data needs to be accessed from multiple sources. CDS views can be used to define complex joins, unions, and aggregations, and they are optimized for performance. They are also suitable for creating reports and analytical applications.

**AMDP** should be used when complex data processing is required, and when the data manipulation cannot be done efficiently using ABAP SQL or CDS views alone. AMDP allows developers to write database procedures in ABAP that can be executed on the database server, rather than in the application server, which can result in improved performance. AMDP is suitable for complex data transformations and calculations that require significant processing power.

In summary, ABAP SQL, CDS views, and AMDP all have their use cases, and the choice of which to use depends on the specific requirements of the task at hand.

**ABAP Database Connectivity (ADBC)**is used in SAP ABAP on HANA systems when a direct connection to the database is required for data access and manipulation. ADBC is particularly useful when accessing and manipulating large volumes of data or when executing complex SQL statements that cannot be easily handled using ABAP Open SQL or CDS Views.

It is useful when working with legacy database code that cannot be easily migrated to modern data access technologies such as CDS views or AMDP.

A diagram of a software development process

Description automatically generated

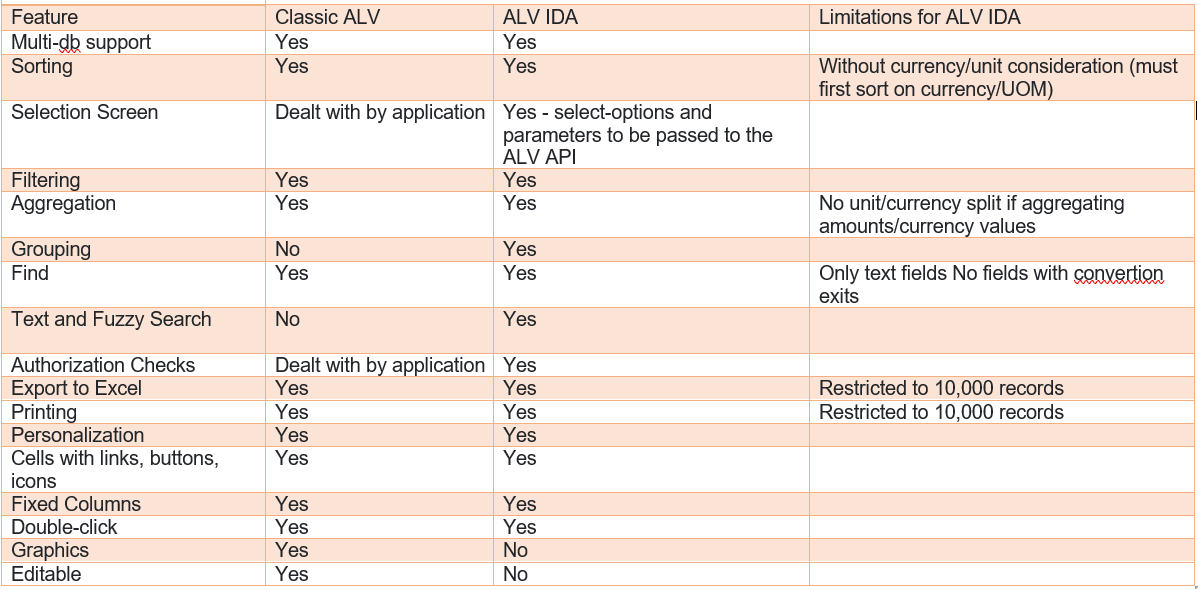
Q: **What is ALV IDA?**

A:

The SAP List Viewer with Integrated Data Access (ALV with IDA) offers ABAP developers the option to take advantage of SAP HANA, without having to present the user with a new or different interface.

Q: **What is difference between classical ALV and ALV IDA?**

A:



Q: **What are the benefits of using ALV IDA?**

A: ALV IDA provides several benefits over traditional ALV grids, including:

* The ability to display data from multiple tables in a single grid, without the need for complex joins or nested SELECT statements.
* Improved performance, since ALV IDA retrieves only the data that is needed to display the grid, rather than retrieving all the data from each table and performing joins in memory.
* Flexibility, since ALV IDA can be used to display data from any combination of tables or views, regardless of the underlying data model.
* Customizability, since ALV IDA provides a wide range of options for customizing the layout and behavior of the grid