

***E-commerce Website***

Name: Marinescu Roxana

Group: 30236

Table of Contents

[Deliverable 1 3](#_Toc64843130)

[Project Specification 3](#_Toc64843131)

[Functional Requirements 3](#_Toc64843132)

[Use Case Model 3](#_Toc64843133)

[Use Cases Identification 3](#_Toc64843134)

[UML Use Case Diagrams 3](#_Toc64843135)

[Supplementary Specification 3](#_Toc64843136)

[Non-functional Requirements 3](#_Toc64843137)

[Design Constraints 3](#_Toc64843138)

[Glossary 3](#_Toc64843139)

[Deliverable 2 3](#_Toc64843140)

[Domain Model 3](#_Toc64843141)

[Architectural Design 4](#_Toc64843142)

[Conceptual Architecture 4](#_Toc64843143)

[Package Design 4](#_Toc64843144)

[Component and Deployment Diagram 4](#_Toc64843145)

[Deliverable 3 4](#_Toc64843146)

[Design Model 4](#_Toc64843147)

[Dynamic Behavior 4](#_Toc64843148)

[Class Diagram 4](#_Toc64843149)

[Data Model 4](#_Toc64843150)

[System Testing 4](#_Toc64843151)

[Future Improvements 4](#_Toc64843152)

[Conclusion 4](#_Toc64843153)

[Bibliography 4](#_Toc64843154)

# Deliverable 1

## Project Specification

Proiectul va reprezenta un site online(ex:Emag,Amazon) in care user-ul va avea posibilitatea sa comande dintr-o gama larga de categorii si produse. Site-ul web va fi realizat in Java si va avea in spate o baza de date realizata in MySQL.

## Functional Requirements

Cerintele functionale pentru proiect sunt urmatoarele:

* Operații de CRUD pe entități

Interfetele UserRepo, ProductRepo si CategoryRepo extind CrudRepository. Interfete UserService, ProductService si CategoryService definesc metodele pentru operatiile de delete ,update si create, iar clasele UserServiceImpl, ProductServiceImpl si CategoryServiceImpl implementeaza aceste interfete si metodele aferente folosind metodele din CRUD.

* Folosirea ORM

Am folosit adnotarile manyToMany, manyToOne, oneToOne si oneToMany pentru a crea relatiile corepunzatoare intre tabele.

* Acces user/admin

Utilizatorii pot fi admini sau customeri, lucru care este determinat cu ajutorul unui enum. Admin-ul are posibilitatea de a crea, sterge sau modifica produse,categorii sau useri. User-ul va putea sa isi faca un cont sau sa se logheze, dupa care va putea selecta categoriile sale de interes si adauga produse in cos pentru a plasa comanda.

* Unit tests

Am realizat teste pentru delete(in cazul in care exista user-ul sau nu exista), pentru update(in cazul in care exista user-ul sau nu exista) si pentru create, pentru toate cele trei service-uri.

## Use Case Model 1

### Use Cases Identification

Use-Case: Admin-ul se poate inregistra sau conecta la cont si poate gestioneaza informatiile despre produse,categorii,useri.  
Level: User Goal  
Primary Actor: Admin  
Main success scenario:

* + Primul pas e ca admin-ul sa se inregistreze/conecteze.
  + Apoi admin-ul o sa aiba posibilitatea de a adauga, sterge sau modifica informatii despre useri, produse sau categorii dupa caz.
  + Cand termina de facut modificarile trebuie sa le salveze.

Use-Case: Customer-ul se poate inregistra sau conecta la cont si poate vede produsele si categoriile afisate pe site, poate adauga produse in cos si plasa comanda.

Level: User Goal  
Primary Actor: Customer  
Main success scenario:

* + Primul pas e ca customer-ul sa se inregistreze/conecteze.
  + Apoi acesta poate vedea categoriile si selecta categoria care il intereseaza.
  + Dupa care acesta poate selecta produsele din categorie pentru a le vedea si/sau adauga in cos.
  + Acesta poate intra in cos si plasa o comada in cazul in care doreste.

### UML Use Case Diagrams

O imagine care conține diagramă

Descriere generată automat

## Supplementary Specification

### Non-functional Requirements

* + Securitate – Autentificarea prin username si parola reprezinta o masura de securitate importanta pentru proiect si de asemenea faptul ca doar userii care au rol de admin pot modifica baza de date.
  + Fiabilitatea - site-ul trebuie să funcționeze fără niciun bug pe tot parcursul utilizarii acestuia de catre customer, astfel customer-ul va simti ca site-ul este unul de incredere.
  + Scalabilitate – este o cerinta non-functionala importanta deoarece site-ul trebuie să evolueze, sa i se adauge cat mai multe caracteristici si numărul de utilizatorii care acceseaza site-ul sau care isi fac cont pot creste de asemenea.
  + Uzabilitatea - utilizatorul poate accesa toate informatiile despre produse de pe site(pret,brand,descriere,etc) si poate sa plaseze o comanda cu produsele de care are nevoie.

### Design Constraints

Pentru proiect am ales sa folosesc limbajul de programare Java. Ca pattern arhitectural am ales sa folosesc MVC (model-view-controller). Am folosit ca java based framework Spring si ca tool am folosit libraria Lombok. Datele sunt tinute in baza de date din MySQL.

## Glossary

JDBC- Java Database Connectivity

JPA – Java Persistence API

# Deliverable 2

## Domain Model

O imagine care conține diagramă

Descriere generată automat

Domain Model: putem gasi principalele clase ale proiect:

* User - clasa care are o lista de atribute: id, nume, parolă, email, cartul sau(daca e cazul) si rol.
* Product - clasa care are o lista de atribute: id, nume, categoria din care face parte, descriere, link imagine, pret, cartul din care face parte (daca e cazul).
* Category - clasa care are o lista de atribute: id, nume, lista de produse din categorie.
* Cart, Wishlist - clase care au o lista de atribute: id, user si o lista de produse.
* Order – clasa care are o lista de atribute: id si un cart.

## Architectural Design

### Conceptual Architecture

Pentru a crea acest proiect, am folosit Layerd Architecture; consta in modul în care este organizat proiectul și este alcătuit din patru categorii de straturi.

• Stratul de prezentare contine toate clasele responsabile de prezentarea interfetei utilizator. (Controller)

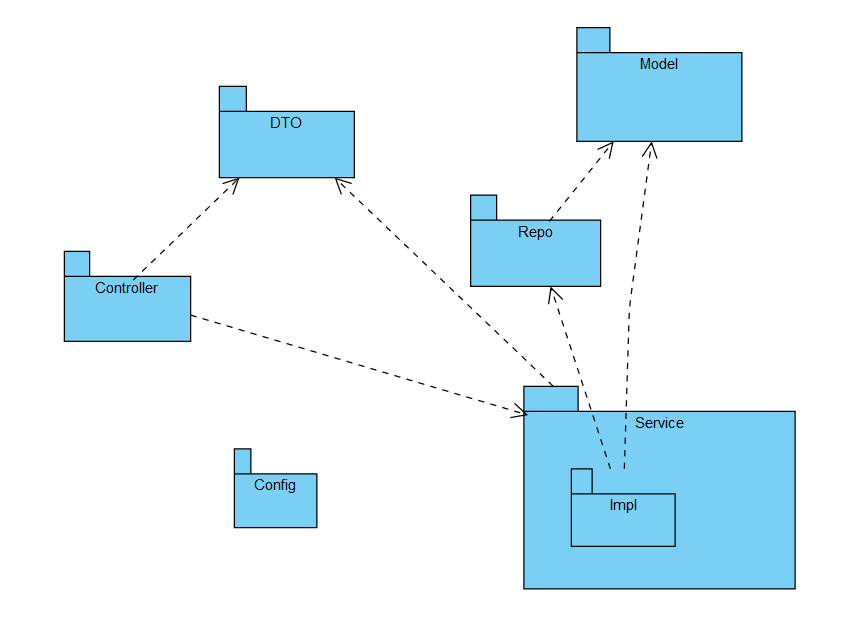
• Stratul de aplicatie contine toate functionalitatile.(Service)

• Stratul de domeniu reprezinta entitatile si regulile.(Repository)

• Stratul de infrastructura contine clasele responsabile pentru chestiile tehnice,

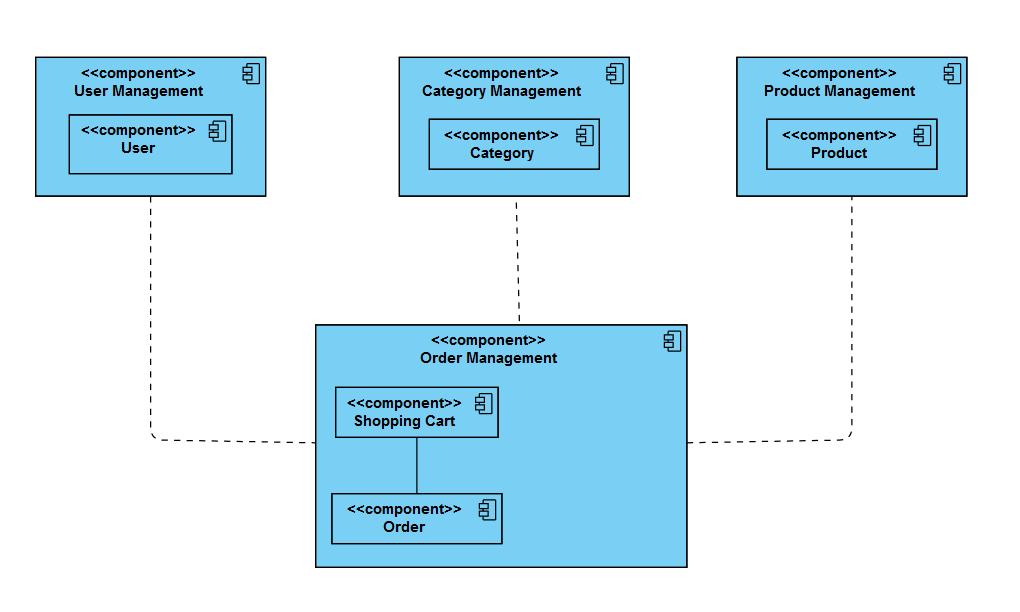
clase DTO si entitatile din Model.

### Package Design



### Component and Deployment Diagram

Component Diagram:

**

Deployment Diagram:

O imagine care conține diagramă

Descriere generată automat

# Deliverable 3

## Design Model

### Dynamic Behavior

O imagine care conține text, chitanță, număr, Paralel

Descriere generată automat

![O imagine care conține diagramă, linie, Font, număr

Descriere generată automat](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4SJ0RXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIzOjA1OjEzIDIzOjI3OjE5AAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAM5MAAAkpIAAgAAAAM5MAAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAyMzowNToxMyAyMzoyNTozOAAyMDIzOjA1OjEzIDIzOjI1OjM4AAAAAAYBAwADAAAAAQAGAAABGgAFAAAAAQAAEZQBGwAFAAAAAQAAEZwBKAADAAAAAQACAAACAQAEAAAAAQAAEaQCAgAEAAAAAQAAEMgAAAAAAAAAYAAAAAEAAABgAAAAAf/Y/9sAQwAIBgYHBgUIBwcHCQkICgwUDQwLCwwZEhMPFB0aHx4dGhwcICQuJyAiLCMcHCg3KSwwMTQ0NB8nOT04MjwuMzQy/9sAQwEJCQkMCwwYDQ0YMiEcITIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIy/8AAEQgAYQEAAwEhAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A99PUcUdzxQAn8J4pfTigA7nik/hPFACntx3o79KAE7Hil7DigA79O1A+lACfwjil79KAD14pP4elAC9+lHc8UAJ/D07UvccUAHc8Un8PSgBe44o7n5aAE7dKU9uKADueKT+E8UAKe3FHfp2oAB0PFHpxQAc5HNHOTzQAc7TyKOeORQAc5PIo52nkUAKc+oo5z1oATnB5FHPHP6UAHOeooGfUUAHO0c0vOetACc880c7ev6UAHOeopRnJ5FACc7eo6Uc5HIoAOcnkUc7eooADnI5FHOTyKADnHUUHPHIoAOcnmjnaeRQAHORzRzu6jpQAc4PIo545FADXkjQgMwX6nFN86HJ/eJ/31QAedBt/1ifnR50PH7xP++qADzoM/wCsT/vqnB0dW2sD9OaAHHHvVK9a7We2+ypujL/vemQv4/j+VAEd3cX0T/6PamUFGx0ADZ4zz6Vnafrt3qNxLHBDA32eVY5grglD/EOvUUAdFxnvQMe9AGTaxXN6biQ3ssYWd0VVUYABwKsf2fcf9BGf/vlf8KAM/U5zpeDNf3TAqzsVVflUYyf1FUjr1gJSh1i5ChS27yTzjrxjPegCc6rYeQ0/9uTGJZWhLCPIDKCT27AHnpUba1YLydaucZwT5PCnGeeKANDTwdTsxc2+pXBhLMqkqvO1iufocVa/s+4/6CM//fK/4UAQx+fa6zFbyXMk0ckDvhgOCGQDp/vGtM42cA0AY5mmsdPMU95BHdkOY/OmHrxyRzj6Vh6l4mm0aBLvUdZ0uK184I7o24gEYHAB70AbejXFxfol8t9b3VnKnymBgyk5PIIH6VtHHHBoAz/7RkeedIbGaVYX8suGUAnAPc+9L9tuSCBpk/8A32n+NAC/bLn/AKBk/wD32n+NH225z/yDJ/8AvtP8aAGSajPDE0j6bOFUZJ3pwPzq9G6yxRyAHDAEflQBnS2tvc6/i4gil223HmIGx83vUGpWMcUsAtdMtGQ53kWysc8YHbAPPPagDMM1ywUp4TtxkAncg4+bBH3euOaUy3Qj3jwlbEYHyjbnoe232/WgDX02yt7q0Et3o1rbSFiPL8tWwAeD071DapJa6tqMVja26xZQkZ2c7B2AoA0TJqPH+j23/f5v/iabIL6VWjktbN0YYKtKxB/8doAqf2Zwf+JPpP8An/gFUtO8LWekajNqNhoelw3k7FpJ1kYuSfQleB7DigDa36nn/UWn/f5v/iaA+pf88LT/AL/N/wDE0AQ6JvNtcmUKH+1S5CnI+961p0ARy28M+3zokk2nK71BwfUVH9htCc/ZYc+vligBj6ZYuULWkJ2SGUDYMbyMFsdzinf2dZbNhs7fZnO3ylxn16UATRQxwRiOGNI0HRUUAD8BT6AMe+WdvEFp5EkaN9mlyXQt/FH7irXlalt/4+7b/wABj/8AF0AHk6jxm7tvwtz/APF1FcadPdp5dzJaTIGDBZLUMAR0OCetAEn2a+C4F6gA7CAf40v2a94zf/lEtAFXTJ4raS/jnuU8wXRyXIUn5V7VSudNt5r+4u4ddlt2lwQscuFUgHnGcHnHX0xQBA2iRMrq3iW7ZCTtDXBOBkHB+bngY+hpRpWxMJ4imZiVHNwwCrn5sDJ5IJHtwe1AGzf3tq2nXCrcxEmMgDePSp9Pz/Z9v/uL/KgBLnT7S7kV5owzgbQ24g4/Cq/9iafn/Vn/AL7P+NAB/Ymn4/1Z/wC+z/jR/Yen8fuz/wB9n/GgA/sPT8/6s/8AfZ/xqe1sLaz3mBdu45bnrQBbOPX9aOM9f1oAOMHn9aTjjn9aAF4z1/Wjj1/WgDGtL0WJuY5re4y1w7ArEWBBORzVn+2oP+eF1/35NADJfEFpAm+SK6Vc45hPWn/21B/zwuv+/JoAP7ag/wCeF1/35NMk1+0iKB4rpd7bVzA3J9KAH/21B/zwuv8AvyaP7ag/54XX/fk0AV0uRea5BKkUyRpbupaRCvJZCB+hrX429f1oAOMjn9aXjJ+b9aAE4x1/WlOOOf1oAy57rS3uJUkheSSNtrlbV35xnGQpHQio/N0rBH2Ob/wBk/8AiaAAy6Tkf6HN/wCAMn/xNHm6Tn/jzm/8AZP/AImgBDPpCKWa1lUDkk2Ugx/47WtEYzEhjb5CAR9KAJCeRxSdzxQAZ+U8UZ6cUALnnpSZODxQAE9OKXPPTtQAmTg8UZ4HFAATjnHaqEOrRTWU90kblIi4I7nb6UAVn8QW0S7ZonDqwDBRuX6gjjtVefxXYxRrMkUkkRXOQuGP0B60AQW+u2M8y3FyGac58mLYdqDaCcepwev4D33bK8hv7UTwqdpOORg5FAFnAz90UyWCOeN4pYwyMMEEdaAKcMklo4t7n5424imPU/7Le/v3q/8ALv24GcZxQAYG4/KKXPy9KAFJORxQDyeKAEydvSlJ6cUAczPYX19NdGyu2t2jvGLfvGUEbE6gdfzFI9h4pjRI4dVicfd3Mq5Hy9Tleefz/WgBUsfFDr5janFG2XwmxT2+Ufdx1/8A11Nb2etTwW7Xk+Jo5H3J5pQEZG05QDOMHg+vNAEX2LXY7Rn1DUo5lRH3pGoUMMN/sj1X8q29PJOn2+f7i/yoAtHqOaTueaAD+E80enNAC9+tJ/CeaAA/Wl79aAE7Hmj05oAO/WkCDnp+VAFO5aG3jjjSBJJW/wBXEFH5+w56+9c/YXt3L4taw/sctDFGWfUTjyh28uMDvnrQB1AtoAciGMEcD5BxT1jWNNqAKPRRigB3frS9zzQBFNCk8DRyDcrDBFZckUkE8Uby7ZR8tvcMOG/2GoAlsdcs7vUptLMypqUEYkmts5ZAeAc9wex960/4etAC9xzR3PNACfwnmg9RzQBi6jBYLdMi2xnvZfn8uNiCe25ucAcdT6Uy08NwhmnumLSsMbEdgiD0HPP1oAuHQ7HI/dn/AL7P+NH9h2Of9Uf++2/xoAT+wrAqQYsj3Y/41oRxiONUU4UcAUAO4yOP0o4yeKAE429KX5eOKADjPSk4weKAFOPT9KPlz0/SgBOMHj9KOOOP0oAXjPSqlxdFG8i3QSXB6A9F929qAKy2Eu7Y0hIkAM9x0d/9lR/Co/r6kmtGOKKFFjjQKijAUDgUAO454o429KAK0V7HLJONhUQsVJ4IP5VW/t2wDY3OWJAAEZyc9KAIo/EVhJCX/eAAkD92TkA4z9KkutT01k8m4O5XQsV2HpjP5jGaAMPTW0KXxMLo26/2kB5a3gTa7qR9yQj7xwO/t3rr+NvT9KAFOMjj9KPlyeKAGsyIhZiAoyST2rHuNVN0GW0kEUKna1xtyxPoi9z7nj60AM0WVQl062zQokjKVky0sjD+N2Prjj2x9BJH4k09y0eJfNBAKCIkjPSgBv8Awk1koDyo6RuxEZ25LY9hyPxpR4n01iSC5VcbzsPy5oA2RjHT9KPl44oAcc5FJzk0AHO09KOeOlAC85pOcHpQAHPtS85oATnBo5wKAKc9zJJOba1wZR99z0j+vv7VLa2qWsZVcszHLOxyWPqaAJ+doo5zQAc89KOdtADFhjQttjQbiWbA6n1pq2sCsSsEQPqFFAALaEJgQxgY/uihraFmyYYycEZKjpQAxrK2ZGTyIwCMHC4qCGWS0dba5bcrHEUp7/7J9/50AX+eKrXd9FZhQ+Wkc4jiQZdz7D+vQUAVVsri+Pm6jgRg5W1Q5Uf7x/iP6VU0jwrbaTq97qnnzz3V4+5/Mf5E9Aq9BxxQBuLGiltsaDJycDqfWm+REMsIowfXaKAE+zQ/88YuTk/KOaPssHI8iLB6jYKAJRnBo546UAHcc0dzzQAn8J5pfTmgA79aT+E80AU9Y/5BFzz/AAVzzokM8i/8I5BNGu7GyEA8KSDnod2OPcigBdP8q6uhBN4YijBdl87yhtwMkHpnkAfjUUUiKfLm8MRySGXYGSABMEnnPPAwM/XpQAqSW4AP/CIqgIVmxEvBbPtzjHP1p8D2dyYo38NpbtMr4LRr8u0ZJPHuKANfTNQdtKtCba4J8pOdvXgVb+3Nn/j1uf8AvmgA+3Nz/otz/wB80fbm2/8AHrc/98UAH25s/wDHrc/98Ufbmyf9Fuf++KAD7c23/j1uen9yj7c2f+PS5/74oA5gJI8glj0WC7V5bl5nljBficgLn1wT69Klka1xIp8Ko2zJAMS4YjnjigB9ubaa6SF/C6xBiAWaNTtyM84FViFjWaRvC9vJIFwrLbgY5HynjJxntQA5xDNY3ROgJZvErETFFHKlQCMdM5yPauwU7lU5oAd3PNJ/CeaAFPbmj+Lr2oAOx5o9OaADuOKO54oAT+E8UvpxQAdzxSfwnigCK8txd2kluSV8wbdwHSqn2bUl+UX2QB/zyWgBPs+p/wDP7/5CWj7PqfH+nf8AkJaAF+z6nn/j+/8AIS01rTUXVgb0cgjPlLQBcs4PstnDByRGqqCe+Bip+/SgA9eKT+EcUAL36UdzxQAn8PTtS9xxQBmJp95b+YlveFY2leQKY1ON7FiPzNL9n1PH/H6P+/S0AL9n1PP/AB/f+Qlo+z6nn/j+/wDIS0AQ3On391bPBLe5jfhgIlHFaqjaqgigB3fpSfwnigBT24o/i6dqADseKPTigBTnI5/Sk5yeaADnaef0peeOf0oAOc9aTnaeRQApzxz+lHOetACc4PIo5wOaADnPWlGfX9KAE52jkUvOeooATnnkUc7eooAXnPX9KOcnn9KAEwdvUdKXnI5FABzk8/pSc7eo/KgAOcjkUvOTz+lACc4pTnjmgBOd3UUc7TyPyoADnjkUvO7r29KAE5weaOcDn9KAE7ik/iNACfwn60p7UAHc0n8LUAKaO9AB2NHYUAHelFACfwij+KgA9aP4RQAHrR3NAB/B+FHcUAHc0fw0AB6igdTQAdqD2oAO9J/CaAFPaj+L8KAAd6PSgD//2f/hMehodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6eG1wPSJodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvIj48eG1wOkNyZWF0b3JUb29sPldpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQ8L3htcDpDcmVhdG9yVG9vbD48eG1wOkNyZWF0ZURhdGU+MjAyMy0wNS0xM1QyMzoyNTozOC45MDI8L3htcDpDcmVhdGVEYXRlPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAMCAgMCAgMDAwMEAwMEBQgFBQQEBQoHBwYIDAoMDAsKCwsNDhIQDQ4RDgsLEBYQERMUFRUVDA8XGBYUGBIUFRT/2wBDAQMEBAUEBQkFBQkUDQsNFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBT/wAARCADQAiADASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD9T/s8X/PNP++RUSQR+bJ+6Tt/CPSpN0v9xf8Avo/4VHGZPNk+Re38R9PpQAssEflP+6XoewpUhi2r+6Tp/dFJMZPLf5F+6f4v/rU9PM2r8q9P73/1qAGNBF5yfu06H+Ee1SfZ4v8Anmn/AHyKiZpfOT5F6N/Efb2qTdL/AHF/76P+FAEcNvFtb92v3m7D1NE0MWwfuk+8v8I9RRCZNrfIv3m/i9/pSzNJsHyL95f4vce1AEn2eL/nmn/fIqJYI/Of92n3R/CPepN0v9xf++j/AIVGrS+c/wAi/dX+I+/tQBJ5Ef8AzyX8hUcEEfkx/u0+6P4R6VJmT+4v/fX/ANamW/meTH8q/dH8R9PpQAkkEfmR/u16nsPQ1L9ni/55p/3yKikMnmRfIvU/xex9qk3S/wBxf++v/rUARxwR7pP3afe/uj0ouII/Kb92n/fIojaTMnyL97+8fT6Us5k8pvkX/vo/4UASfZ4v+eaf98iovJj+0H92v3R/CPWpN0v9xf8Avo/4VHuk+0H5V+6P4j6/SgB/kx/881/75FNt7eLyU/dp0/uin5k/uL/30f8ACmW7SeSnyr0/vH/CgBJYI90X7tfveg9DUv2eL/nmn/fIqKYybovkX7/972PtUm6X+4v/AH0f8KAGR28W+T92n3v7o9BST28fkyfu1+6ew9DSxtJvl+Rfvf3j6D2psxl8mT5F+6f4vr7UATfZ4v8Anmn/AHyKiaCP7Qn7tPun+EeoqXMn91f++v8A61RMZPOX5F+638R9R7UASfZof+eSf98io4YIvL/1afeP8I9TUm6X+4v/AH1/9ao7cyeX9xep/iPqfagAmt4vk/dL94dhUv2eL/nkn/fIqKYyfJ8i/eH8X/1qk3S/3F/76P8AhQBEkEXnSfu07fwj0p80MflP+7Xof4RTUMnnS/Ivb+I+n0p0xk8t/kXof4j/AIUAKkEW1f3adP7oprQRecn7tOh/hHtTk8zavyr0/vf/AFqazSecnyL0b+I+3tQBJ9ni/wCeaf8AfIqKCCPaf3afeb+EetSbpf7i/wDfX/1qjhaXa3yL95v4j6/SgAmgj2/6tfvDsPUVL9ni/wCeaf8AfIqKYybPuL95f4vce1Sbpf7i/wDfR/woAjWCPzn/AHa/dHYe9SeRH/zyX8hTF8zzn+Rfuj+L6+1PzJ/cX/vr/wCtQBHBBH5Mf7tPuj+EelElvF5kf7tOp/hHoaW38zyY/lX7o/iPp9KSTzPMi+Vep/i9j7UAS/Z4v+eaf98ioo4I90n7tPvf3R6VJul/uL/31/8AWqONpMyfIv3v7x9PpQAXEMXkt+6T/vkVJ5MX/PJf++RUdw0nkv8AIv8A30f8Kk3S/wBxf++j/hQAzyI/P/1a/d9B607yY/8Anmv/AHyKZmT7R/q1+7/e9/pT8yf3F/76P+FADbe3i8lP3adP7opJII90X7tfvf3R6Gi3aTyU+Ren97/61LIZN0XyL97+8fQ+1AEn2eL/AJ5J/wB8io47eLfJ+7T7390egp+6X+4v/fR/wpkbSb5PkX7394+g9qAEnt4/Jk/dr909h6Gpfs8X/PNP++RUMxl8mT5F+6f4vr7VNmT+6v8A31/9agCJoI/tCfu0+6f4R6in+TH/AM80/wC+RTGMnnL8i/db+I+o9qfmT+4v/fR/woAZDBHsH7tPvH+Eepomgj+T92v3h2HrRCZNn3F+8f4j6n2omMnyfu1+8P4j6/SgCX7PF/zzT/vkVClvF50v7tO38I9Kl3S/3F/76P8AhUaGTzpfkXt/EfT6UALJBH5bfu0+6f4RTkgj2L+7Tp/dFJKZPLb5F+6f4j/hSx+Z5a/KvT+9/wDWoAjaCLzk/dr0bsPapvs8X/PNP++RUTb/ADk+RejfxH29qk3S/wBxf++j/hQBHDBHtb92n3m/hHrRNBHtH7tPvD+EeoohMm1vkX7zfxH1+lExk2D5F+8v8R9R7UAS/Z4v+eaf98iolgj85/3a/dHYe9Sbpf7i/wDfR/wpi+Z5z/Iv3R/F9fagCb8KYn+sk49P5UfZ4v7i/lUaW8fmSfu17dvagCSUfu347GnJjavTpUU1vH5T/Iv3T2FOS3j2r8i9PSgBWH75OOzf0p9QNbx+cn7teh7fSpfs8f8AcX/vkUANh+63H8TfzpZvuDj+Jf5io4bePa3yL95uw9aJrePYPkX7y9h6igCemKP3z/7q/wBaX7PH/cX/AL5FRLbRec/yL91e31oAn/CmW+PJj/3R/Kj7NH/cX/vkUyC3j8mP5F+6O3tQA6QHzIuO5/kakqCS3i8yL92v3j29jUv2eP8AuL/3yKAGx/ek4/i/pSzf6tuKjjt490nyL9709qJreLyW/dr+VAE9R/8ALc8fwj+dO+zx/wBxf++RUXkR/aD8i/dH8I9aAJ6jt/8AUx/SnfZ4/wC4v/fIqK3gj8lPkXp6UAPm+9Dx/H/Q1JUElvHui+Rfv/3R6GpPs8X/ADzX/vkUAEf35eP4v6CkmH7mTj+E/wBabHbx75PkX7390egpJrePyZP3a/dPagCfI9qjb/XJx/C38xS/Z4/7g/KmNbx+evyL909vcUATfhUcH+r6dz/M0v2eP+4v/fIqOG3i8v8A1a/ePYepoAfN/Bx/EKkqCa3jwv7tfvDsKl+zx/3F/wC+RQA1P9dLx6fyp0v+rfjsahjgj86T92vbtTprePyn+RfunsKAJUxtXp0prD98nHZv6U1IIti/IvT0prW8fnJ+7Xo3b6UAT1HCPlbj+Jv5077PH/cX/vkVFDBHtb5F+838I9aAJJh+76fxL/MU+q81vFs+4n3h6eoqb7PH/cX/AL5FACKP3z/7q/1p/wCFQLbRec/yL91e31qQ28eP9Wv/AHyKAC3x5Mf+6P5Ukn+si47n+RpsFvH5MfyL90dvakkt4/Mj+Rep7D0NAE9Rx43SdPvf0p32eP8AuL/3yKijgjzJ8i/e9PYUAPuP9S3FSVBcW8fkt+7X/vkVL9nj/uL/AN8igBP+Xj/gP9afUH2eP7R/q1+7/dHrUv2eP+4v/fIoAbb/AOpTjtSy/ei4/j/oajt7ePyU/dr09BSyW8e6L5F+96D0NAE1Mj+/Lx/F/QUfZ4v+ea/98imR28fmSfIv3vQegoAdMP3MnH8J/rUmR7VBNbxeTJ+7X7p7e1SfZ4/7g/KgBG/1ycfwt/MVJUDW8fnr8i/dPb3FS/Z4/wC4v/fIoASH7nT+I/zNJN/Bx/EKZDBH5Y/dr949h6mia3j+T5F+8P4R60AT1Gn+ul49P5U77PH/AHF/75FRJbx+dL+7Xt29qAJZP9W3+6aVMbV+lRS28flt+7X7p/hFOS3j2L8o6UADZ85Po39KkqB7ePzk+Reh7fSpfs8f9xf++RQA2H7rcfxN/Olm/wBWOP4l/mKjht49p+RfvN/CPWia3j242L95e3uKAJ6Yo/fP/ur/AFpfs8f9xf8AvkVEttF5z/Iv3V7fWgCTdJ/zz/8AHqjRpPMk/d+n8Q9KsZqNT+8k/CgBkzP5T/J/Cf4qVHfavydv71Plz5b/AEP8qVPur9KAIGaTzk/d9m/iHtUu6T/nn/49Q3+uT6H+lSUAV4Xfa3yfxN/F70TM+0fu/wCJf4vcVJD90/7zfzomztH1H8xQAbpP+ef/AI9Uas/nP8n8I/i+tWKjGfOb6D+tACbn/uf+PCmW7P5Mfyfwj+L2qxzUVuw8iPnjaO9ADJJH8yL5O5/i9jUm6T/nn/49SSf6yL6n+RqXmgCtG77pPk/i/ve1LcSOIW+T/wAep8Z5f/e9fai4z5Tdf8mgBGkkXquPxpm9/OJ2YG3rn3NfOvwjvpbX4x341GLR7rxLfS6mL8Wby/2nZwx3LG3a7O/a0LR+WIwyAJn5CwLGva9UuBLp/iSOO/ju5EgdRBFgNb/uuEODnJJzzzyPWgDovMcjIXA+v/1ulMt5H8lMqBx/er550X40aWfgz4Ni0DxxoVvcJDY2uuauLuC6OjRmBi0s6l8ITIix5k4Bkyay7j49eJYdLiu7nxDpelSwWYlsILmzA/4SIG6ki8+IFtwTykSTCZ2+YCSVoA+mXkbdHlej9zjsam3v/wA8/wDx6vnDVviF40gi1qbSLrT9ItNHtdQ1JoF0ze11JFqEsQjJLAKGRPmIG4sdwIr6QjbzI1bBBYA4oAijZ/Mk+T+L+97CiZn8mT5P4T/F9akj+/J/vf0FE3+qk/3T/WgA3Sf88/8Ax6q9xdC33yzbIoo42d3dgAoGCST0AA71c5rgvjmo/wCFN+Pe4/4RzUf/AEnftQBtDx94eyQde0n/AMD4/wAe9JH4+8OquP7e0kfMT/x/xev1rjPh98Fvh9feA/DVzceBvDc88umW0kkkmk27M7GJSWJKcnk810H/AAoz4cf9CB4Y/wDBPb//ABFAGnJ4+8Ott/4n2k9Qf+P+L/Gn/wDCf+HP+g9pP/gfF/jWT/wov4cf9CB4Y/8ABPb/APxFH/Ci/hx/0IHhj/wT2/8A8RQBpp4+8NiRz/b+k9v+YhF/8VRJ8QPDZjYHX9J6H/mIRf8AxVc5rXwn+Fvh3Sb3VNR8GeFbPT7OF7i4uJtKt1SONAWZiSvAAHNcX4U/4Ux4r1y10hPh/pWk3l9bPeaaureHIrUajbpt3yQF0G8AMpIOGAYEqBzQB6wvj/w4qgf2/pOQP+ghF09fvdKafiB4c8xW/t/SOAQf9Pi9v9quG8W+DfhF4Lt9Pm1HwX4bRL7UoNKhMOiwS/6RK21FYBCQCeueB7da1LD4U/DW8s4J5Ph/4esDJnEF5pFskgOccqV9qAOp/wCFgeHP+g/pH/gwi/xqOPx94cUEf2/pP3if+QhF6/71Y3/Cl/hr5wh/4QXwv52M+X/ZFvnHr9ykb4M/DTeinwR4VVn4UHSrf5s88fLz36elAG3J498OsnGv6V94H/j/AIvX60//AIT/AMO/9B7Sv/A+L/Guf/4U18Mlkkj/AOEH8K74wGZP7Jttyr2JGzgfWs8/Dn4Qrr0GiHwl4R/tae3e7jtBpVuXaFGCu/CdAWA/xwaAOsXx/wCHPOc/2/pJGAP+QhF6n/ap58feHMf8h/Scev8AaEX+NcJq3g74RaLrnh3SZvBfht7vX55YLAQaLDIrtFGZHBZUIGFUnJ44xXSr8C/hyB/yIPhn/wAFFv8A/EUAakPj7w6saD+3tJyB/wA/8X+NI3jzw6ZEP9vaVwf+f+L0+tZv/Ci/hx/0IHhj/wAE9v8A/EUf8KM+HH/QgeGP/BPb/wDxFAGt/wALA8Of9B7Sf/A+L/GpNN8XaRql2bex1bT724Y5ENveRyOQAOdoJOOtYv8Awov4cf8AQgeGP/BPb/8AxFedeL/AnhfwV8dvhDLofh7S9EM0+qiVtPsooC4FkxAO1RnBoA9zmkdoW+QY/wB6pdz/ANz/AMeqNpRPbkpk9uh9asc0AYfiPxNa+FdOn1O/E32aMBdttbyXErsWwqpHErO7EkDaoJpvhXxjp/jTR01PSZHmtWkeFhLE8MsUiMVeOSORVdHVgQVYAjFReMptTt9Fum0nTG1m6KBWso737JLJGWAfy5eNsm3dtyVGcfMtcx8OvC99ofw9vbHVtGLfaLq4uYtFnninmWF33LFNNnbLLySXZmzkbnYgsQD0C3lbyU+TBx60SSPuj+X+LPUehrx74/eAdT8ZaZoX9l6C2uTWjOUt2e1eBHYLh5Ip2UHpgSRuJE52g5rj7H4SePbP4qXetzAXF2zTzx6iHgWGSNrUpFZvPk3RjSTBxtAG0OG3E5APpQTOcfLnj+9WfqmvW3h+MT6hILeKa5htkYgtmSV1jReAerMBn35wBXy98OfhHrlv4oi0XWdLs7bTZLyy1m70hZ7SEqqRXUMhktYJGDrI5jPmEtvCfOcqRXTQfBnUtVh1CwvvCaR38mqWs2o+JE1JFOsQpfRTnMaNuJESkfPtIA2rkEggH0RNJIYZBs52nv7fSpt7/wDPP/x6uH+GPg2TwH4d1XS0tYbDT11K6m0+ztj+7htmcsiovRRycKOB6V3nNAFdmfz0+T+Fv4vcU/zGwfkA/wCBUrf65f8Adb+Yrm/iF8QNL+G/h8axq4upLVriK1WKzt3nlkkkcKiqi8kkmgDoIXfy/udz/F7mkmZtqfJ/Ev8AFXmEX7QmlrHhvCXjnOef+KYu/X/cpJP2htK+Uf8ACJ+ODggn/imbvgev3aAPVd7/APPP/wAeqONn86T5B2/i9q8x/wCGh9JHB8KeOB/3LN3/APE01f2hNJ8xz/wifjnBx/zLF5/8RQB6jK7+W3ydj/FSo77V/d9v71eXyftCaUVYf8In446f9Czd/wDxFKv7Qmlbf+RS8ddP+hYu/wD4igD01mfzk/d9j/F9Kk3v/wA8/wDx6vKz+0JpXmA/8In44woI/wCRZu/b/Zp//DQ+k/8AQp+OP/CZvP8A4igD02F32t8n8Tfxe9JO77PufxL/ABf7QrzGP9oTSlU/8Ul466k/8ixd/wDxFMb9orQft2nWl1ofivTPt99b2ME2oaBcwQ+bNKqRqXdQBlmA/H8aAPVt7/3B/wB9VGrP5z/J/CP4vrU46cnn2pi/65/91e/1oAxfGOqDw14S1vVxAs7WFjPdCFmKh/LRnAz77a8w8M+Kvi74o8P6brNr4X8GpbajaQ3cayazdKwWRA4yPs/Bwa7/AOK0jf8ACrvGPyMv/EmvO4/54P70z4NjHwj8D8Y/4kdj/wCk6UAcu198ZipH/CMeCuev/E7uv/kakXUvjIq/8iz4JIxx/wATu6/+Rq9ar5+vdV1/x948+J0B8c3fgGz8Hvbw2RhSDyArWyzvd3QlGXQliuNyKBGec5IAOn+3fGRmDf8ACM+CuP8AqNXXt/07fWnDUPjIcf8AFMeCf/B1d/8AyNWDa/tLb9W07Tjo0d41z4xk8I/aoLxQkhSxa6+1Iu3o23aI93G4HfiuK1z9rDxTceC9UmsPCtl4e8UW9xpvl6XrF3cxTJb3N6tuWdJLRd2M43xebHzkOcYIB6kt/wDGRc/8Uz4K6/8AQauv/kakN98ZGxnwz4K/8Hd16/8AXtXLSftTSQaqrXHhlF0KbXL/AMN29zHfl7pr+0ileTfAYRshLQSKH3lvukoucVj2f7XGuvpUOqXfgG3t9POm6RrMskeueYY7O+uPI6fZ1BmjYFimQpUZ3g/LQB6F/aHxkx/yLHgr/wAHV1/8jUn274y7yf8AhGfBX/g7uvf/AKdvpXneoftoPZ2PjTUY/Amo3Gk6HaarcWt1tuY1uHsSQyyyNaiGISkHYUllPZlB4r6D8M6hfavoVle6jZQ2F1cRLK1vb3BnVAwyBvKrk4xnj6ZoA4H+0PjLx/xTHgo/9xu6/wDkarHwz8c+Ite8ZeKvDPinSNL02+0K3sZ1fSbuW4ikW4E3UvGhBHk+n8Veo188f8JZqXhn9pD4jjTfDWpeIPtGmaKX/s5oFERAu8bvNdc5z/DnG3nGaAPf5LdPMi+Xuf5GpPs8f93+dec/8LO8SOsJ/wCFZeIife4shn5T/wBN6l/4WV4nb7vwx8QfjeWP/wAfoA72OFN0gx/F6n0ouLdPLb5a8/j+I/irdJj4Ya797/n+sPT/AK70s3xE8XNG2PhfrX/gx0//AOP0AdP4o1HUtI09Z9I0GXX7kyhTa29zFAwTBO/dIwB57Z757Vyn/CaeNPObPwxvcFcEf21ac9R/f9P51M3j7xl2+FurH/uK6f8A/H6jPxA8aiY4+Fmqn5R/zF9P9f8ArtQAv/CaeNOo+GN9wcj/AInNn/8AF18H/t9fGb4xeFfi98M4fCPhTVopLuzlluvDHmnULbVdkyFBNFbtyoJz1HJ9q+8f+FieN8/8kq1Qf9xjT/8A49VePxz412o4+FN9v27d39sWGQM5x/renAoA5L9nL4sfFT4naZbyfEf4P3Hw8do95vG1KKSOZuyiDPnR5yThxgYxk17x9nj/ALtebSeOvHbPHn4XXQ+b+LWrL0P+3Uy+PPH2P+SYz/8AAtctP8aAPQI7ePfJ8v8AF/QUk0CeTJx/Ce59K89j8cfEDdJ/xbRvvfxa9beg9qJvG3xBaGT/AItsi/Kfva/B7/7NAHo32eP+7+tcP8cIkX4O+PsD/mXNR7/9O71V/wCE0+Inb4c2/wDwLxBF/wDG6434xeKvH1x8KvGkd14Ds7W2fQb9ZZv7eVzGhgcFgoh+bAyce1AHqfwz5+G/hTt/xKbT/wBEpXTVzXw0/wCSc+Ff+wTa/wDolK6WgAooooA5D4peBx8Svh34l8LPdPYrrFjNZi5j5aIupAbHcA4JHccV4p48+Cvj/wCLmh2dnrlroWjSaJoOo6dY/Y72ScX13cW32YSkmIGCILuO352y45+Xn6YKg9RSlQeooA+Vz+y7rmm+IIJtGh0fTtKF54bvZbaGRkDTWPmC5kK7MF2VlAY8sF5xWFb/ALH2vXWgrZarBod7Pb+Cb7QbQSTMyw38t89xFKuY/l2qU/eD5lPTNfYm0elG0UAfLPhv9mnxbpvx3tvGGpakL+3F3b3zagl3Cs0apYi3e0w1m00kRcFtvnohDbiu8Vi+OvhBrfxD/aE+Iw03Q9PDvJ4ang8QX7PHNpvkO0sstt8h3uVTYQrL94AnHFfYG0elJ5fOaAPka/8A2XvGN9fanFFDottcMdcll8Tfa3N7rK3sUqwW9yvlZVY96ZJZgPKGxV6C/wCJP2YNdstS0q/8LaJ4VW8g8AT+F3mvBt8m8cxnzfliJkVgsiliQfnyQwJFfVe0DtRtAzxQB8qfCv8AZu8YeD/GWgXd1/Zceh6fr82tLBFNEDCkuni3MSxW9rDCGWUZ3IiAhieuc/Vi0nlr6ZpaAFooooAK8b+Lihvjd8GwQSPP1fvj/lxavZK8I+PVtqd58WPhFDo9/FpeoNcaqUuZ7cXCoBZMWHlllDZAI68ZoA9ktLeP7CfkA5z+tXvs8f8Ad/WvMbfwr8RZLMlvH9vHz/BoMQ7+8hq0fBfxAbr8SZE/3NCtR/MmgD0AQIJsBcfL6+9ZPijR9T1bTVt9G1k6Dch1Y3K2qXHygHK7H45JBz14rj/+ED8d+d83xPvgcfwaLYjv7qamTwD42/i+JuqN/u6Tp4/9pUANt/AfjkwqR8Sphx/0BLU/0pZPAXjk+X/xcqYjdnB0S1I6H2oh+H/i1oU3/ErWyMfw2Fgv/tKlk+G/iMtF5nxI8RH5v4YLFex/6Y0AfFf7VX7Cfxs+Nn7SWh+K/DnjW206zsdDt7M+JppPsM8Ui3Fw7RRxW43NgOrbjtB3dflr65/Z9+Ffj/4Z6O1l44+Kd58SZljVVa706K3eF8DLeYpLyDHHzkmt3/hWOtkfN8RPFX/AfsS/+0KYvwp1Jmk3fELxgRuH3bi0HYf9O9AHoE1unkyYXnaehPpUnkR+n615rP8ACG+aN8/EHxsfl5/061HY/wDTCpf+FP3P8Xjzxs/11OJf/QYhQB6GYV85eP4T3PqK8n/aQjA8J+GsAY/4SvRsd/8Al8j9uvJrU/4U6POTf4x8aP8AIeutFe49AK4D42fDmHw3o/he/XXPEOoSR+KdIXytT1aW4iIN2gyUJ25G7PSgD6JA61k+KNYfw94b1bVFQTNZWstysZbaG2IW2k++P1rXFZuuaSmvaPqGmSyPHFewSW7PH95VdSpI9xk9aAPIvAv7V3g7xFoGgzardyabrV9aabNeWkNnczwWMl9GHt1knEWxVY5UMxAzjOM4rpZP2iPAFvp9pfTeIEhtrqG9njaS2mUhLRwlwXBTKbXIXDAFiQF3ZFclo/7Jfh/RvDOo6NHrerSxXsOjQvI5j3qNO2+UR8mMvt+YdPTFWNY/ZP8ACWvah8Q7jUrnUL238ZwG3mspHXyrEM4klMA28eZKqyNuzlh6cUAbsv7SXgWG2tHe/wBQW5urqayi006NefbTcRQid4zb+V5obySJACo3KQVzkVlw/tWeBLjXDbx3V0dFHh+LxF/bv2Kb7J9nkl8tE3bPvkjAX7xY7cbuKTwZ+zNoXgy/0C+t7zbeaTe3V9/oWnWdjFcPPbfZyGjgiQYVeQfvZ71hWn7Hfh6x0Sz0mPxBq/2KHQYtDbiHe3k3JuYLjdsyJI5DkY4IGCDQB2y/tFeBmW1DahfxXtxqB0pNNm0i7S9F15JmEbWxi8xCYhvG5QCMY6itbw/8ZvCHii90ez0zVTdXWq/bPs0QtpVb/RXCXG8FR5exyF+fGTwM1ymj/s56fp/imx8Uahr+o6z4kt9ZOtXN9MkMYuJfshtEjKIgVEWMg/KASckk5NVfhD8Ib3w38WfiJ421K0bTYtau1j0rTWulmFtDhWuJhtAEZuJh5hTJ+7k4zgAHtagN2H5V5F+0tmPwv4TOMgeMNDOD/F/p0Zwfxr1+vH/2mv8AkU/CeBk/8JhofH/b7HQB6payLc7vkK7cfxf59KlFvH5z/L/Cvc+9UtKdv3n7o9u49/erqyP5z/uz90dx70Ac78UopLj4ZeLoYUeWWTSLtERFLMzGFwAAOpzXlvw1/aE8G+Hfh34W0vUJdZt76x0q0triL+wL87JEhVWXPkc4II/CvdvJX/a/76PrmoHtfNEse91PGDuPpQB5mf2ovh+Bn7bq3/ggv/T/AK4VyXij4j/BDxtqkOo65pVzqd7CFCzT+G78llVtyq/7j51B5CtkDnHWvcZNJPlv/pEnQ929PrSrpJ2j/SJOnq3+NAHg8vj/AOBE3iZ9efRGbWpJ1uTeN4XvS/miLyhJ/qcbvLbYT1K8Hiqdv4m/Z9tdL1PTo/D8i2OpCNbqH/hG79lkWN/MReYOFVwGAGACM19BtpZ85P8ASJBwe7e3vT/7Jb/n5k/Nv8aAPBY/iB8Co9em1tNImGqzRSQvdf8ACN35Yq6CN/8AlhjLIApPUjqalf4k/A17D7G2jyG1+x22n+S3hi+K/Z4JN8MWPI+4j/Mq9Aea9yh0ttp/0iT7zfxN6/Wkm0k7B/pEn3l7n1HvQB4LN4z+Atxe63czaC0k+txyw6i7+GL/ABcrL/rQw8jGHPLEfePJzXZ2/wC0z8OreKOKK51WJI0CIq+H78BVHQD9x04r0oaQR0uZB9Gb/GmLpJ85v9Ik4Ud29/egDz3/AIag+H//AD+6v/4T9/8A/GK5f4W+JrLxt8a/iTr+krePpN1p+jQxXF1Zz2wd0+1bgqyKpJGRnjuPavbf7Jb/AJ+ZPzb/ABqJNH8yGPMzsdowWJPb03fT8qALw+5bfT0/2TVmqv2dY/JUBuDjqfQ+9T/Z0/2v++j/AI0ANj+9J/vf0ouM+W1MjgXMn3vvep9PrRNCvlt978z/AI0AWKi/5eD/ALo/nTvs6f7X/fR/xqLyV+0H733R/EfWgCxTLf8A1KfSk+zp/tf99H/Go7e3TyU+90/vH/GgCST70X+//Q1JVeSFd0X3vvf3j6GpPs6f7X/fR/xoAI/9ZL/vD+Qon/1Mn+6f5GmRwrvk+997+8fQU2eBfJk+990/xH0PvQBarg/jkv8AxZzx8O3/AAjmo/8ApO9dx9nT/a/76P8AjXCfHCJV+Dvj3kj/AIp3UurHH/Hu3WgDZ+Gf/JOPCn/YJtP/AESldNXMfDM/8W58K9v+JTaf+iVrps0ALRSUZoAWikzSbwMAmgB1FJmjNAC0lGaKAFopM0m7rQA6ikzRmgBaKSigBa8d+LC/8Xu+DuOP3+r/APpC1ew5rxv4trv+NnwcB5/0jVxx6mxb/CgD1a1/48W+pq/WXZwobA8N1P8AEa0Ps6f7X/fR/wAaAE/5bf8AAf61Jn2qDyV8/wDi+7/ePrS+Sv8Atf8AfRoAW2/494+3FLL96L/e/oajt4V8lPvdPU/40SQrui+997+8fQ+9AFio4/vyf739BS/Z0/2v++j/AI1FHCu6T733v7x9BQBJN/qZP901JVeaFfJk+9909z6H3qX7On+1/wB9H/GgBG/1y/7rfzFee/HHwXrXjbwjY2/h9LKXVLLV7HU449QnaKKQQTpIVLqrEZC44BrvjCnnr977p/iPqKeYU9T6Z3H/ABoA8pl8T/GWFVJ8IeDuSw/5GK49f+vOoW8XfGJcf8Ud4P5YZ/4qK4/+RK9VSzhnjG5S2C2Mu3rTJtNtcL+6/iH8R9aAPLz4r+MJ6+DvB/8A4UNx/wDIlM/4S74xM7j/AIQ7wdxjH/FQ3H/yJXq/9mWv/PL/AMeNRpplsJpP3fp/G1AHlreLvjCsbf8AFHeD8c/8zDc//IlC+LPjG2G/4Q7weOP+hhuP/kSvU5dNtjG37vsf4j6UsemWuxf3fb+8aAPKj4u+MSuB/wAId4P5H/Qw3PbH/Tp9Kf8A8JZ8Ys/8id4P/wDChuf/AJEr1BtMtvOT932b+Nvb/CpP7Ntf+ef/AI+3+NAHlK+MPjG448H+D+pH/Iw3P/yJXO+NtO+KfxDj8P2Oq+H/AAvpen2Wu6dqc1xa61PNJsguY5GVUa2XJIBA56ivdIdMttrfu/4j/G3rRPptsI/9WfvLn5j/AHh70AJpWdr/AIf1q4v+vf8A3V/rTI7GGPO0MAf9s/40iwL5z/e+6P4j7+9AD/Mb/nk36f40yORvMk/dN29PT61Y/Co0/wBZJ+H8qAI5pG8t/wB03Q+n+NOSRtq/um6e3+NOm/1b/Q05Pur9KAIGkbz0/dN0b09vepfMb/nk36f40jf8fCfRv6VLQBWhkba37pvvN6ev1pZpG2j9033h6eo96fD91un3m/nSzfdH+8v8xQAeY3/PJv0/xqNZG85/3TfdHp7+9WPwqNT++fp90f1oATzG/wCeTfp/jTIJG8mP9033R6en1qemQf6mP/dH8qAIpJG8yL903U+nofepfMf/AJ5N+n+NJJ/rIunU/wAjUv4UAVo5GzJ+6b73t6fWlndvKb9036f40+PrJ0+9/SluP9S3SgA8x/8Ank36f41H5jfaD+6b7o9PX61Y/Cov+Xg9Puj+dADvMf8A55t+n+NRW8jeTH+7bp6j/Gp6Zb/6mP6UARzSPui/dt9/29D71J5j/wDPJv0/xpJvvRdPv/0NS/hQBXjkbfJ+6b73t6D3omdvJk/dN90+n+NSR/fk/wB7+gqG8uY7W1lknkSKNVOWYgDnpz/nrQBN5j/88m/T/GsXxTodv4u0DVNDvklWz1Kyns5/LdQ3lyLsfHocNW5uH+RWbqOu6dpN1aJfX9rZPcEpClxMsZkbKjC7iN3JHT1FAHly/AOXS9Oht7T4ifECGCBFjjij1WABFUAAD9z0wBUEfwX1F1z/AMLG+InUj/kKwev/AFwr2kse3/16htZ0mVtjq+12VtpzggkEcfy7UAeOt8F9RXH/ABcX4idh/wAhWD/4xS/8KW1Ln/i4vxE/8GsH/wAYr1jV9YsdFs/tWo3tvYW6soaa6lWJB/wJiBTLrxJpmn6HNrVzqNrFpEMLTyXzSr5KoBktvzjAFAHk7fB2/j3mT4k/EJFVdxZtWgAA9T+46dfyPoa4Dw94N8T/ABB8RQ3nh74iePLbwPa792q3OoRPLqz4IAtl8kbYVOD5xB3kAICDur06GxvfjlN9q1OCbS/h7nfb6ZOjRT62ByJbhTho7c8EREZkGC+B8h9NaW0s4/swkiiCqqrFuCkDGFAHbpwB6UAeTL8F9QZQf+Fi/EXp/wBBWD/4xTT8GdSDqP8AhYvxF5z/AMxWD2/6Ye9e0qQFG4AHHpTG/wBen0b+lAHjf/CltR/6KL8RP/BrB/8AGKSP4M6iwyfiN8RD8zD/AJCkHr/1wr2v8Kihxtbgfeb+dAHjDfBfUVGf+FjfET+Ef8hWD1/64fSuP8efDPxh4SurPW7Lx78QNX8OW6suradDfQm8RCRi4gIhO/YM7osbiMlTkBT9Lzf6vt94fzFKyncMDjvzQB4ZpHwxk8QafBqGm/FHx9f2FzEs8FxBrFuySIwyCCITx/8Aq61dPwX1H/oo3xEx7arB/wDGKu+ItN1D4QareeI/D9ncah4Tnk+0az4fs0MkkDElmvLRB1bPMkQGW5ZBvyH9K0PX9P8AEmj2mq6VeQajpt5GJre6t3DxyIQSCCP8/jQB5NH8GdRaNT/wsb4i8gH/AJCsH/xilPwX1FXQf8LF+ImDkf8AIVg+v/PCvZ4P9RH/ALo/lSSD95H/ALx/kaAPG/8AhS2pf9FF+Iv/AINYP/jFLofwVTTvF2l+Ib7xJ4t8RX2kGf7JFrF9FLFGZYzGxwIlOSpbv6V7R+FRRj5n/wB7+lAFK1Z0sWBicHPcr6/Wr3mP/wA8m/T/ABpLj/VNUv4UAV/Mb7R/qm+77ev1p/mN/wA8m/T/ABpc/wCkdvu/1p9AEFu7eSn7punt/jRJI26L9033/b0PvT7f/Up9KWX70X+9/Q0AHmv/AM8m/T/Go45G3Sfum+96j0HvVj8Kjj+/Lz/F/QUARzO3kyfum+6fT/GpPMf/AJ5N+n+NJN/qZP8AdP8AKpfwoArtI3nL+6b7renqPevNf2gPEet+H/BmmnQtSl0S+vtc07TvtscUMrRxzXCRuQsgZScE9RXpzf65f91v5ivKP2k/l8JeGf8Asa9G/wDSyOgB5+F/jmPIHxk14gdzpWmcZ9f9HoHwv8dPjPxj14jPONI03qP+3evGv2uNN0yHxwNcm1XwxqV/b6GYE8IeONKuZra6j85naTTp4yCl22BH+7EjDKEgfLnO0HxR418N+MvE3iTTLe60aK78ReG7S78OXlr9oJiuLS3jmjaZl3boi2Ay7cEEsGztoA96/wCFW+Of+ix6/wC//Ep03/5HpB8K/HO4n/hcmv5/7BGm/wDyPXgGpftHfEXT9D12+h1RbnWYfD+r6jq2jyaWmzwvcwSYtEJChm8wZGyUsX271IUEGzd/tCeNLXMUPixLzRZPEWi2D+I30mMeQLmGVr22VQuw+UUQhiCU3Yctg4APc3+F3jrJX/hcevdM/wDII03p0/59+v8AninL8LfHOMD4ya9/4KNN/wDkevnTWvjl8RE8KXGvWAt9Q1K10HWpNM159ERnvUg1KGG2nwFGFkiYkqu1W27gMYA7PxN8XPH3hjxRdeHr/wAQtbaJF4osrO68WNpUYazs59Pa4K42+UB56rEJGBwHwSWwaAPVz8LfHW8f8Xj17of+YTpvp/17/wCcUH4YeOQuf+Fya8R6jSdNx/6T15veeLPGfxN/Y5m1qKee+167kZLuTTLZ7eaW0j1AxzCKNfmV/s6NgDBznHPNUte8a/D34d+H/EWr/CSFtLmkjsLS71DQbFTpULyThAzhiIEuFVm3SOGKKV8wMAFoA9XX4V+OVU/8Xk17rn/kE6b/API9cp8QNP8AHXw3Tw1qB+Jura5DdeJNL024srrTdPjR4p7qNHBZIAy/KTyDnmuL+Gvxe+I3xC1jStEuNSuNLmg0zWXv2j06F7iWe3ukjtSzNGEUtG4YhUAcEFQMim2erXuufstfCG71PW7jXdUk8SaEbu5uygl84X8e+JgFHKnK8jPHNAH1iszEDETH8R/jTFdvOf8AdN90env71X0tsrJ36f1q4v8Ar3/3V/rQAeSvq3/fxv8AGo0hXzZOZO3/AC0P+NSbm/55N+n+NRo7ebJ+7bt6f40ALNCvlvy/3T/Gf8aVYV2ry/T/AJ6H/GkmdvLf9233T6f40qO21f3TdPb/ABoAa0K+enL9G/5aH296k8lfVv8Av43+NRs7ecn7tvut6e3vUm5v+eTfp/jQBFDCu1uX+838Z9frSzQrsHL/AHl/jPqPeiFm2t+6b7zenr9aJpDtH7p/vD09R70ASeSvq3/fxv8AGo1gXzn+Z/uj+M+/vUm5v+eTfp/jUau3nP8Aum+6PT396AJPIHq//fw/41HBCvkx8v8AdH/LQ+n1qTzG/wCeTfp/jUdu7eRH+6b7o9PT60AEkK+ZHy3U/wAZ9D71J5K+rf8Afxv8aikdvMi/dN1Pp6H3qXc3/PJv0/xoAjjhXc/Lfe/vt6fWieFfKbl/++z/AI0RyNuk/dt9729PrRO7eW37pv0/xoAk8lfVv+/jf41H5K/aDy33R/GfX61Jub/nk36f41Hub7Qf3bfdHp6/WgCTyF9ZP++z/jUdvCvkpy/T++f8ak8xv+eTfp/jTLd28lP3bdPb/GgBJYV3Rcv9/wDvn0PvUnkr6t/38b/Go5XbdD+7b7/t6H3qTc3/ADyb9P8AGgCOOFd8nL/e/vn0HvXg/wC1VY+ItY8NyafY+ENU8S6Glv8AbZDp1zAG+1pKhiV0lmRyqgM+EDZIXpiveY5G8yX9233h6eg96bMxWJyI2B2k8Ef40AZlzIjXGlmWe8s5ZCx+zKchj5fKuRkDaM8hgMjq1eN+KrXwzpfxB8Y/8Jt4Zudcn1SKFdJmbSpL5ZLYQhDbwuqMIm83ecEpzIpyc5Hve5v7jfmOv51HuKzKCjAYbjI9vegD5yhl+IGgeGZ11LWNb0+PTrbSbOf7JbR3EkEciJ9qnQmJ2nlTAXI3AHecGuN1bX/H/hfR4I/D1zqUGm3mpapcxapdRS2897ceaht0ljTT7k7HTcxAji3YOHHQfYKtt/5ZMPy/xrl/Gnj/AEv4f6Kt7qZmeS4n+zWdjap5lzezsflhhjByzn9ACTgAmgDwf4javNp1jp+v/Ee5uJ9FtPG8EQsZ9OMttBCLZwrRxrEZJN0rlQxzklQADzXmPiTQfFfiq3j8VW2kan4Q+G8+ufaNP8NMr2v2bZb5W9miFldFC8yjERhKRn5uHO4fTuk6Hd3l9F41+Ij21leWxD2GktcJ9j0hTnkuxAluMZzKRheiYGWbufDHjDSPG+j2+s+H7+HV9JuGYRXtnIskTlWZSQwOCMqR6cDHrQB8033ibxtoo1e9vtT8QJrmqWOjDy7CF0srXMcnmzLIbCV0/eAK2YXZS4BRR8y3NM1zxl4v0LQJtWs9Q+22rae1y76a5ZLmG9mV2JMcZlCoI3wAq5O4Bc19Pqx8yUCNjkDPI6/nT5GZY2PlsDg88f40AeOfs8+Itc1631uLW7/U9VMEkZjvbuJ4omyDuVA9rbOh4yUKybcgea/OPYmhUzR8v90/xn296I/9Wv7k9PUfn1oaRvOT923RvT296AJPJX1b/v43+NRwwrtbl/vN/GfX61Jub/nk36f41HDI21v3bfeb09frQATQLs+8/wB5f4z6j3qTyV9W/wC/jf41HM7bP9W33h6eo96k3N/zyb9P8aAITbqZpPvcqB98+/vXluraDdfCHVL3XvD8FxfeE7qY3GsaFb7mktXJJa7tFB6E8yQgfNgsgDZD+qK7ec/7pvuj09/enbmyf3Tfp/jQBn6Dqtlr+i2Opafdpf2N1EssNzbyFkkUjqDnn/Peqtr4o0jUvEd/oltfB9W0wRvd2bM6yRrIreW2D1VsEBhkZBHUYrzrUNF1H4M6rceIfD9pPe+DbxvP1jQLePe9lIeXvLRB2JGZYFHP30+bcH3fFXhmy+Ilro/ijw3qMVprdrGZdJ1232yRPG4y0MmD+8t3wNyZ4IBBDAYAPRPJT1f/AL7b/Goo4V3Scv8Ae/vt6fWuT8B/EL/hLDe6df2TaR4n0tkTUtJdwxiLZ2So3/LSF8NtcDnaQQGDKOrimb58xsOfbHT60AOuIV8luX/7+H/GpPJX1b/v43+NR3EjeS37tunt/jUm5v8Ank36f40AM8lftHVvu/3z6/Wn+QvrJ/32f8aZ5jef/q2+77ev1p/mN/zyb9P8aAI7eBfJTl+n98/40SQrui5f73/PQ+h96W3dvJT923T2/wAaSWRt0X7tvv8At6H3oAf5K+r/APfw/wCNMjhXfJy/3v759B71Jvb/AJ5N+Q/xqOORvMl/dt94enoPegAnhXyZOX+6f+Wh9PrUnkr6t/38b/Go53byZP3TfdPp6fWpNzf88m/T/GgCMwr5y8v90/xn1HvXlX7SCY8J+GsFjt8VaMTyTj/TI+vPSvVWkb7Qv7tvuN6eo96x/GHgzRfH+itpPiHSU1XTjIk32eb7u9TlW4Ycg0Abg6/5zTeG6kA9PvV5FN+zH8M2jXy/A9qxyc/vpPX/AK61wHxG+H/wf+H81lpg8BLrvinUD/oHhvSZZJL26A6vjzcRxDjdNIVRfXkZAPofxT4d03xhoGo6HrNsLzStQhaC5t2keMSRkcqWUgj6jBFRax4J0XxBBo0WoWa3Eej3cV7ZKZHXyZowQjcMM4BPByDnkGvnTwD+x3pk+qv4l8b6HZxXcsRitvDGjXMi6bYRkgnzGLh7mbpukO1RjCoMk16En7MPw5aSTPgW06D/AJayf/HaAPZAo247jrzWF4w8DaR47sYLTV0uWS3nW6hlsb6eynilXIDLLBIjrwSCA2CDg5Feczfsw/Dja3/FC2h7/wCtk/8AjtEf7L/w32A/8ILaZx/z3k/+O0Aem+FvCukeCfD9jomh2cenaXYx+VBbxk4VeTySckknJJJJJJJzWsAOMsOOByOK8bb9mH4cecg/4Qa1wc/8tpfb/prTv+GX/hv/ANCNa/8Af+T/AOO0AexMobcD0IxjtXkX7Swz4V8KrnAbxfoasM/9P0f584qCH9mH4blT/wAUNacM3/LWT1/661Na/s4fD/R760v7PwTZw3dpcRXEEnmudkiOGVgDJjIIBoA9Q0uEfvOX7dZDnv71bWFfOfl/uj/loff3qvp6SQb98LAnGOnv71YWQ+c/7pvur6e/vQBPxTFI8yTp2pPJHrJ/30aasK+dJ8z9v4jQA+b/AFL/AO6acn3F6dKimhHlP8zfdP8AEackI2r8z9P75/xoAG/1ydOjf0qTioGhHnJ8zdG/iPtUvkj+83/fR/xoAbD91v8Aeb+dEzfKP95f/QhTIYRtb5m+838R9aJoRsHzN95f4j6j3oAn3D2pg/1z/wC6P60eSP7z/wDfR/xpghHnP8zfdH8R96AJd30plv8A6iP/AHR/KjyR/ek/76NNghHkR/M33R/EfT60AOkx5kXTqf5GpOKgkhHmRfM3U/xH0NSeSP7z/wDfR/xoASPG6Tp97+lLP/q26VHHEN0nzN97+8fT60txCPKb5n/76NAE3FR/8vB/3R/OneSP7zf99H/GovJH2g/M33R/EfWgCbd9KZb/AOpT6Uvkj+83/fZ/xqO3hHkp8zdP7xoAfJjdF0+9/Q1JuHtUEsI3RfM33/7x9DUnkj+8/wD30f8AGgBI/wDWS9PvD+QouG/cyc/wn+RpiQjzJfmb7w/iPoKS4hHkyfM33T/EfQ0AWNwqKRh5yc8bG/mKXy1/vSf99GvP/H3xEfQtWtfDnh6z/t/xnfRM8GnecyxW0WQDcXTjPlRA/VnI2oCc4ANjx149t/B0NvBFayavr1+zR6bo9oR5106jJOTwka5BaRvlUY6khTz3hnwYnh26uvHfjjU7S+8RpBIHvWby7LSbfOXit933EwBvlb5pNoLYUKqv0fQdK+E+j6l4q8Va4b/XLhF/tPXrhcMwydsEEYyUjBOEhQEknPzMdxzrHwXqPxav7TWfGdtLYeHbeXz9N8JzNkO4bKXF92eQdVh5VOCdzj5QD4S+M37EnxN/aU+NOieIrbxh4j1v4P6xqq+ZF4h1B1uLS04eSSGA/KIX+ZY+A3ILLjBP6b6FoVj4Z0Ow0nS7WOw06wt0tba2gG1Io0UKqKOwAAFWpIVUKdzfeHc+tP8As4/vN/32aACP/WSfh39qWX/Vv9DUccI86X5n7fxH0pZoR5T/ADN90/xGgCVfuL9PWmN/rk6dG/pQkI2r8z9P75/xpjQjzk+ZujfxH2oAn4qOHG1un3m/nR5a/wB5/wDvs0yCIFT8z/eb+M+tAD5vudvvD+YqTcPaoJoxtA3P95f4j607yl/vyf8AfZoAcP8AXP8A7o/rTvWoVjXz3+dvuj+I+9O8sHoz/wDfRzQAkCnyY+f4R/KvKPEFjffBXUpvEOh2kt94NnkafWNCtULyWROS95aIOo6mSFQc8ug3ZV/VYI1+zxnc+No/jPp9abNCBImC/cZ3dDjjrQBwPjDwnY/EvT9G8WeFtWgtPEFpD9o0bXrbEkUsLgFoZcH97byfLuXtgMpDKpHifwa/b+8MfFb9ouf4Sx2K2eow2U3mXyXSTW8uoQvtmt4HXiSMKHZZON23oOlerax4bl+EdxqGqaRZPqHge+Z5tY8PQKXNmWz5lzbR/wAStkmSEDB5ZRu3K/hviT/gnf8ADTWPEmjfE/4P33/CC+KrG4j1TTLjTpPO0q7Iwyh4s5VH+6TGw4J4NAH2ZcY8lqk4qjHFMbGM3LD7RsXzPKZtm7Hzbcnpnpmrnkj+83/fR/xoAb/y8f8AAf61J+VQeSPP+833f7x9ak8kf3m/77P+NACW/wDqU+lEn3ov9/8AoaZbwjyY/mfp/eNEkI3RfM/3v7x9DQBPn2FRx/6yXp94fyFL5I/vP/30f8ajSEeZL8zfeH8R9BQA+4/1En+6f5VJxUE0I8mT5m+6f4j71J5a5xub/vs/40ANf/Xr/uN/MU6R/LVmYgAc5PFcd8QviR4f+GOnR3+t3rxvOTDZWNuGmu76U4xFbwrlpHJ7AcdTgc158vw+8T/HJjefEZH8OeCj80PgW2n/AHtwP72pTo2H45+zxny+fnaToACe6+K2vfFq4uNH+E5gOlpK0N949u032Nud2GWyTpeSjn5lPkqQMs33K7H4e/CTQ/hrb3E1n52p67qDK2peIdUk87UL9wessp5KgcLGuEUcKoHFX/AnibQPEVnc2/htg+maZILOOW1gZLRtoxtgbASRF+7lCQCMda6WaNQF+ZwNw/iNAFnio4/9dJ07fypfKXj5m/77P+NRLGPOk5cdP4j+nNAEsuPLb/dNOQ/Kv0qCZUEbZdh8p/jP+NPjRdi8vkgfxn/GgBWb9/Hz2b+lSbhVYxr56fM54b+M+1S+WuTzJ/30aACH7rf7zfzomPyjn+IfzFMhhG1vmb7zfxH1omhGz7zfeH8R9RQBPxTFP75/90f1o8kf3n/76P8AjUawjzn+Z/uj+I+9AD/O/wBhvypkcp82T92/arH51Gn+uk/Dv7UAMmlPkv8Au2+6aVZjtX5G6U6Y/u3/AN09/anL91fpQBC0x89P3bdG/pT/ADj/AHGob/j4T6N/SpaAK8Mp2t+7b7zfzommPlj5H+8P5inw/db/AHm/nSzfdH+8O/uKADzv9h/yqNZv3z/I33R2+tWKYP8AXP8A7o/rQA3zj/cemW837mP5G+6O3tU+fp+dMg/1Ef8Auj+VAEUk37yL5H6nt7GpPOP9xqJP9ZF9T/I1LQBWjl+aT9233v6UtxMfJb5G/wAmnx/ek/3vX2pZ8eU3+NACef8A7DflTPNP2g/u2+6P51YqL/l4P+6P50AHnf8ATNvyplvKfJj/AHbdKsVHb/6lPp60ARyzHdD+7b7/APQ0/wA//Yb8qJT80X+/6+xqTP0/OgCCOU75Pkb7w7ewpJ5sxP8AI33fT2pyMQ0mT/GAOvoK8s8UeNNa8eapeeFvAk620dszQ6z4pKB4tPIA3QWykES3OCPVI+C+SQhANbxd48v7rWJPCnhBIrrxGFDXl5Mu610iJuks3TdIRkpCCC3BJRfmrT8D+BbDwNbzrb/aL7Ub1jPqGqXZD3V7LkDfI3sOFVcKo4UAcVo+D/Bel+A9Di0nSLfybZXaV3kYvLPK3LyyOcmSRm5LE5JrbOPPTP8AdPf3FAHHTfDy11Tx4vibVru51drMKNKsJwv2bTmxh5UUD5pWyf3jZKj5Vx82ett3xH9x+p7e5qxtAzUcOPL/AOBHv7mgBk0x2r+7f7w/nT/P/wBhvyomPyr/ALw7+9S0AV45j50v7tu38qJpT5T/ALtvun+VPT/XS8en8qdN/q3/AN00AMWY7V+RulMab98vyN91u30qdfur9KYx/fJ9G7/SgDzXxfrPiHT/AIgaHBpetxTx3U0Qbw4tihY2ucT3Mk+4lQo5U8KWATDFuO9t7qf7U0P2RxDtLi53Lt3FiNmM5z+nvXO3nwr0e78aSeKftOswapL5XnLa6xdRW8oiBEYaFZBGwGTwVwcnOa6aGxT7Y91ul34MWzzG8vG7Odmduc98Z96APNLj46f8S261OLwnq11pTTpbaXdwzW23U52nEKxoDLmPLnhpNoIBPaquo/tEJYWc+fB+tSalZQ3U+pWEcltvskthG0pLmXa/yyow2k5zjrxXRT/BfwuV1NTDqBgvn3m3Gp3Iht3MokL28fmbbdvMAfdGFIIyKsaf8G/Ctjp81mtjNMs1rc2k09zeTTTzx3BXzzJIzlnZti/MxLAKACKAPNfGHx61xdTsLfT/AA9qejpDeS/2qzmzkmS2Sye5RkDSlTvXBx94bGBweK6l/jqdrJZ+FNb1RhfQ6VFIht4/tFy8Am43SDaoUjLHC5PGa6i8+FvhvUdRuri509nlnTEjfaZRnNubc9G4/dnb+vXmrVr8O9BsVhENiyCG+XUU/fOcXAj8sNyem0Yx074zQBzXw0+MqfEC6t7b/hHNT0ZbixN9avetA3nKkvkzKBHI2CjkDJxkEEZrJ1L9oey0+O6vp/DmrjR0N0lhfRmCT+0JLcsJVjQSbl5R8FwoO0+1d54f8CaL4eksLmwtGiltbWS0iZpnbbDJIJXXknkuB7jGBgcVh3XwS8J3GpXN1NY3E/2wyFrWS/nNvC0hLStDEX2RM56siqTk88mgDmvEvxv1O21S0srbw7eWNvBqllZapf3LwSRW7S7XeHashYkRMDvAKgkc1474b/aM0TwjrGsa74Os5tW8HXDx3l54csL21upYDPIES8tlhkbydzn97bybWAfeoBDK30pqXwj8Oat4qGv3NvdPe+bDcNCl9Ols80XEczQB9jOAANxBOAASRVfRfg94b0aOSG3TUJLZbiCaG1utTuJobbyXEkSwo8hWNFbB2qAOAMYGKAOo03WrfXNCs9QtWWW3u4UnjkikWRWVgCMMpKsDngg4PatHzj/cf9K8k8QWN78Fb6613RbWa88FXUrTavolqheWwZjl7u1TupJzJEAeMug3ZVvUdI1mz1zS7XUdPu4r2xuolmguYHDJIjAFWBHUEEH8aAJxMftH+rb7v9af53/TNvyo/wCXj/gP9ak/z1oAr2837mP5H6elLJMd0XyP9/8Aoakt/wDUp9KST70XP8Xr7GgA84/3H/SmRzfvJPkf73p7CrFc94s8ZaF4B0O+1vxFqtro2lW5Blu7uQIikgYAz1J7AZJPQUAa80x8twFbOCOg9+3+fwryvxd8ab3UPEV74Q+G+mQ+J/FVqwjv764LJpWjk4/4+Zh9+XkYt48uf4tg+asRk8aftAxs041H4d/Ddwcwcw63rUffLcNYwkY4H75snmKvl/8A4KAa54m07TPB3wE/Z98O3w1K1mi1fUYvDEJX+z0Rt1ujuowjPJmUlyCdik5DZoA+sdL8G+Hvg9LN4y8Z61ceJ/F9wn2c67qMe6dix+W1sLZR+5QknEMOWYnLlz81ef8Axeh8f/Eq6s5NZ0HxDpXw3ksLme70PRL20t75lV4ir3zSNyhXzP8AR4Scjhy24qOo/Zj8E+Nr3wvpXiz40aTGPigsbwmWS5iuEtYQFVfJWMbICw5cKSxJOXIwq+s+Lvht4Z8eyWcniDRLXVXsyxga4QkqGxuXIPKnAyp4PcUAP8P3EMmg6KdEtYRpE0Ssmf3HlwFCUKIEIJ+7x8vBz6A+beNfiN4n0PxlqVpo8NpqEf8Aa+i2Yt76UxLFFPu80qyROxY4GM8ehr1/+y7ab7K7wjNq5aHBICHBXgD2JrL17wPoOvecdQ0q3ujcTwTSlxy8kLZiYkd1PSgDx/Qf2pbvxHa3FzaeDLxoZvJbS3lF3bpOslykAEsktqsaPmQNiJpgQrcg1D4o+OHin/hGPEUMuhW/h67W01S3g1Cw1I3TRXdnjeyq9uqlCCSrt3XDJggn1ux+FHhHTbq/ubfw/YxzXsqyzHysglXDrgHhRvAbC4BIB6irF78P/DmpR3VvdaJZ3EM5naRXhHzGcYnJ93HX1oA8k1zxzqHwNYve6vrHjHTp9Ek1Fra/VZbmGZZIY0CGGMMY3M+CAjEFCRnkUzS/2hPEOo6hpTT+G7XSLGFNQOqm+mu7UbYIYpY3tzcWcTup80KdyJghsbsAn1DR/hH4O8NaNqWm6f4es4LHUI/Ku4mQv50e0gIxYklRk4GcDJxUUHwX8Ex6Taad/wAI3YvY2zSSRwyIXG6VNkhJJJbcvB3ZyAPQUAeWR/tD33ibRrsHSJ9D1e1uLi1/cyTrGH/s6W5Ryt1awyNgIAQUUdCGYcHrPAPxg1fWfFNl4f1TQ/sMctkJre/uJpUlvGEaMXVTAsJVssQqTM4H3kTt0+m/BvwVok6Gz8N2UTGMozeWSWUI0Y3Enn5JHXJ7MRV/SPhf4W0HxFJrmnaHaWeqOmw3MSkYBUKcLnaCQoBIAJxzQB0MMx2t+7b7zfzoml+T/Vt94fzFPh+6f95v50s33f8AgQ7+4oAPO/2G/Ko1m/fP8j/dH9asVGv+uf8A3R/WgA8n/ab86jSL99J+8ft/F7VJ5w/ut/3yf8KjSYedJw3btQAs0P7t/nf7p7+1OSL5V+dunrTJpR5T/K33T/CfSpFmXavB6elAEbQ/v0+d+jd/pUnk/wC2/wCdRtMPPT5X6N/CfapfOX+63/fBoAihh+Vvnb7zd/eiaE7R87/eHf3FEMg2t8rfeb+E+tJNMu0cN94dvcUAS+T/ALb/AJ0xYf3z/O/3R3+tSeavofyqNZl85+G+6O31oAf5J/vv+dMt4f3Mfzt90d/an+cP7r/98mmW8y+RHw33R29qAEkh/eRfO/U9/Y1L5J/56N+dRSTDzIuG+8e3sal85f7rf98GgCFI8F/3j/e9fanTxfuz87/nXmfxm8X+IfD8ng+w8M3NlY3+va8umNc6jaNcJGn2aaTIQOmTujXv0zUTeGvjDjH/AAnfhf8ADwzKfw/4+qAPVPK/23/Oo/K/0g/M33fX3rzL/hHPjD/0PXhf/wAJuXn/AMmqb/wjfxgBL/8ACd+Fxxj/AJFuX1/6+6APU/J/2m/OmW8WYU+d+nrXmP8AwjXxh/6Hvwv1/wChbl/+SqYvh34wxqAfHXhfHT/kW5vz/wCPqgD1CaLDRZd/v+vsaT+EkyMMdeenr2rzFvDPxhyD/wAJ14X4OR/xTcvv/wBPVc/40+EvxU8e6Oul6h8RNEh01pke6t7TQJYvtkY6wSkXW7yzkEqrKTjBJDEEA2rjWr74x3V1pfhq+n07wckjQ3/iO3fEt/jCvBZN2Xs1wOn3Y8nLL6Lpfh7T/C+hQ6ZpNrHYadawlIba3UBEUA8Y75JJOepJPWvOrLwX8WdPt4ra18Z+Ere2iRY44Y/DEiIiKMKqhbsAAAYAFT/8Iv8AGErt/wCE68MHtn/hG5f/AJKoA9R8n/bk/Oo2Uecn7xh8rD73uK8z/wCEb+MfH/Fd+Fv/AAm5f/kqqvhTxB460j4xW3hXxTrGka1Z3WhXGpxyabpklo8UkdxbxbTumk3AiUnt0oA9b8n/AG3/ADqOGE7Pvv8AePf3NSecB/C//fJ/wqOCQeX0bqe3+0aACaL5V/eP94fxe9SeT/00f86jmmG1OGPzLUvmr/db/vg0ARJD++l+d+3f2pZof3b/ADv0PekjmHnS8N27e1LNKPKf5W+6f4T/AIUAOSH5V+dunrTGhPnJ88nRu/0qRJBtX5W6f3TUbSjzk4fo38J9qAJPJ/6aN+dRww/Kfmb7zd/epfNX0f8A75NRQyDa3DfebsfX6UAE0Py/ff7w7+4qTyf+mjfnUc8y7OjfeHb3FS+avo//AHyaAI1h/fP87/dHf3NL5J/vv/31SLMvnPw33R2+tP8AOHo//fJ/woAjgi/cx/O33R/F7USQ/vI/nfknPPsadBKPJj4b7o/hPpTZJR5kfyt1P8J9D7UAP8sf89G/76qOGMN5h8xiNx71xPxx8b6h8PvhR4l8RaT5X9oafa+dCbqJpIwxZVyVBG7r0BrEh8O/GBo9w8deF8N83/Ity45A7/aqAPULiE+W3zN0x/n8q8tvtEuvgvf3esaHbzXngq6kafUtFtVZn01mJL3VqgB/dkktJCo65dBncplbw18YGAB8deF+uP8AkW5f/kqhvC/xfPDeOfCzZ6/8U1N/8l/5zQB6HpeoWms2dvqFjeJe2VzCssNzBIGjkRuQwI4IxznNaHk/7b/nXg/hL4P/ABN8E3mrNpPj7QILHUJ/tJ03/hHpDbWsjZ8xoF+05j3E7yu7bkkgKSc9P/wjfxh/6Hrwvye3huX/AOSqAPTbeP8Acph3PHrTJlwU/eN97H3vY15qnhj4wqoUeOvC/wD4Tcv/AMlVmeIPA3xk13R7uyh+JmhaRLPG0aX+n+GyLiHP8aGS4ZQfcqeM8UAbHxA+Mdt4Z1tfC3h7T7jxh45miEsWh2EgAt0JwJryXG22hJ/ibLNghFcjFZ/g74M3l74kg8XfEbVF8VeLLdt9naxqV0rRyccWkDE5kA4NxJl25xtHy1g+APgj4++GekPp2geKfC1qJpDPeXU3h6ea5vZjjdNPK13ulkPdmJ9BgDFdKvhv4vq2B478L85OP+EblHp2+1f5zQB6dNCVt5P3jA7Tg59qSPT4Ypppo0WOSYhpXQAM5AABYgckAADPQCvCfirrHxb+Gfw91zxPL4u8MX8em2/ntaDw/LGZeQuAxujjr6dRXv3nbRyG/wC+T/hQBH5P75cs2drd/cVJ5P8Atv8AnUbSjzl4bOxv4T7e1SecOflf/vk0ARww/J99/vHv7miaH7nzyfeHeiCQeX0b7x7f7Romk4T5W+8P4T60ASeT/wBNG/Oo44f30vzv27+1SecP7rf98n/Co45R50vDdu3tQAskP7thvcfKe9Ojh+Rfnbp602WVfLfhvuntTo5l2L8rdPSgBjQ/vk+d+jd/pUnk/wC2351E0w8+P5W6N/CfapvOX+63/fBoAihhO0/O/wB5u/vSzRHZ99/vDv7ikhkG1uG+83b3pZpBt+633h/CfUUAP8n/AKaP+dMWH98/zv8AdHf61J5q+h/Ko1mXzn4b7o7fWgCxUS/62T8KTy2/56t/47/hTEibzJP3rdvT0+lAEk2PKfj+E09Pur9KhmjPlP8AvW6H0/wpVjbav71un+z/AIUAKwHnJwOjf0qTHtUDRt5yfvW6N6e3tUnlt/z1b9P8KAEhA2tx/E386Wb7o/3h/MVHCp2t+9b7zf3fX6Uk0Z2D9633l9PUe1AFmo1/1z8/wj+tHlH/AJ6t+n+FRrGfOf8Aet91fT39qAJ8DHSmQf6mP/dH8qTY3/PVv/Hf8KZBG3kR/vW+6P7vp9KAJJP9ZF/vH+Rp+Paq8iHzIv3rdT/d9D7VL5bf89W/T/CgDyX43f8AI1fCTr/yOSf+kF3XmXxA1e21Dxd8YW8XeJ9R8O6hoFrFN4YhttTltCkX2UOLiGJGUXDGfcCGEnKhcdj6X8bPl8V/CQF2b/isU6gf9A+7PavTdQ8O6Zq11bXV7p1ne3Fq2+Ca5gWRom9UJBKnjtQB8x2v7R3xC0PwD441fWLLRTd+EdJ0ozW81vIssl5dW0LvJMyybY0jZ3LIqZI4BXGTzE37QnjDwT4r8VW1pf6X4ovNQ8SxWKarEC+m2qppMdwRFDLdxrH5hGMefj77ZfgV9kyaVZyi6D2sT/aRtn3Rg+cMbcP/AHhjjntxVBvBuhNpjaadF01tPO1jaG1j8olcbfk244IGPpQB5P8ABr40eKfij491PTryw0vRtM0/QtK1KS2T/SLhp7uKVmQTJKYyilFIKg5Dde58v8X65eeCfjZda1qeqReM9Ju/FFrZ250PxbPbajopYxQpZtpqnybhA5Z3537WckNgV9dRadbW80k0VvHFM6qjSIgDMq52qSOoGTgds1Rfwto8mtDWG0qybVlG1b826faBwRgSY3Dg469KAPlvxL+2N4h0jw/a3FtaaBPqv2HxNc3Vn+8JhfTpSkAZfM3IrKctkZP8OBXRWvx+8eaf4yi03VY/DNxp0XiTS9Fmayt7hJZI7+0WdCu6VgjRs2CSrCQHOI8c/QTeFdH+0zz/ANkWHm3DM00htU3SkgAljjJJA5z1q02j2bMXazgMhdZC5iXO5RhT06gcA9qAPkW1/au+JVz4LbxCLPwmqP4b1PxHHD9nucotleGFoWPnc+auMMMeW3USdK1tW/bF1C38dXdjYRaXdaNsvreHzIGjeK7t7D7UEaQ3AZyW+QoIEBHKyNX1Cug6csPlDT7XyvLaLyxEu3Y33lxj7p7joagfwpo0k0sz6PYSTSlWkka2Tc5UEKWOOcAkDPTNAHzrrH7Rvjnwv4d8G3F/ZaBeah450aF/D628E0cQ1eVoylrIDKxePypfM3AqSIpOmRjp/HfihvCP7RHhq4n0/UtTkfwhfwsui2LzsD9ssiW2A5VeCM57jmvSNb+Gek+IPFXhzXL2S4kXw/vksNMRkW0jmZCnnlAuS6ozKMttAPAzzXI+IVDftMaGNxQf8IbqGdpGf+P6xzxjjoOaANe1+M0LW6f8Uh4zP10KanQ/GaAJ/wAif4zPJ/5gUvqa72yjY2seZWzj2/wp1vG3lj963U9h6mgDgZPjNAyqf+EP8ZfeH/MCmp//AAua3/6E7xl/4IZa72WNsL+8b7w7D1p/ln/nq/6f4UAeeL8ZoPMk/wCKP8Z9v+YFNRJ8ZoGjcf8ACH+M/un/AJgU1egRxt5sn7xu3YUTRt5b/vG+6ewoA4FfjLb7R/xR3jLp/wBAGWmN8ZLfzFP/AAh3jLo3/MCl9q9CSFtq/vW6e1NaM+cn7xujdh7UAcJ/wuW3/wChO8Zf+CGWoovjPBtP/FHeMvvN/wAwKX1r0TyW/wCejfpUcMbbW/et95uw9aAOAm+M0Gz/AJE/xl94f8wKb1FP/wCFzW//AEJ3jL/wQy13s0Z2f6xvvDsPUU/yz/z1b8x/hQB54vxng85/+KP8Z/dH/MCm96f/AMLmg/6E7xmP+4HLXeiNvOf9633R2HvT/Kb/AJ6N+QoA87h+M1v5Kf8AFHeM/uj/AJgMvpSyfGaDfH/xR/jPqf8AmBS+hrv4Yj5Mf71vuj09KJI28yL943U9h6GgD56/aK+KUOtfBPxbYjwx4osmntAonvNHkiiQ715Zzwv51k/tCvq2p/H/AOE+h2VpqWt2d5o+sz3GkWOvTaUszJ9l8uR3jdd23LYBP8Rr0j9qZSv7PvjjLlv9Bxzj/nont1r01NPtZntrqSCKS4ijKxzMgLqrAbgD1AOBkD0oA+Z/D3xK+Inwr0vxB4f1sad4juPBXhKHWbo/v5ru7mla52wedkAoixqPMKFmCNkAnIj/AOGnvE9veSaMbvwrqU0l3pMI8W2NvKNJsVvEldlnjNwSWQRAD98gbzUJ2dD9P/YYBM8/kxCeRAryKo3MByBnGSOapQ+EdEt9Ln02PRtPj024YtNZpaoIZGJBJZMYJOB1HYUAfNvib9qLxdoPivRtJsbHw/4jj/s+C9udQ06aNLXUmku2gZLaWa6TygoUknE53MExwGLpv2oPFun+JfF2nXNv4bU2tvqkujRmVBBL9ldVjaW9W5ZF3bgHSWK22tlQxxmvpKTwzpMslg76XYu+njbZs1uhNsOmIzj5OABxilTwvpEV5eXaaVZLc3ilLmcQLvnU9VdsZYexzQB5H8Mfi94k+IPw38aXIt7efxdonm28VvBZG2Rrj7Ms0abRPPGxy4GUmcHvtOQPIND8XzaHo/wj8R+GPE19rnjLVEkk8U2V1qst3HJEtjLLctPbs+yAxzpGoKqm3cV719g6Toen6BZi10uytdOtVJKwWkKxRgnknaoA5qK28OaXZ313eQaZYw3d3/x8Txwqskvf5mAy340AfKPi79obxpqnw30yG6vvDvh258QeAtQ8TSX6xzxDcsSBbW1k84FZR5hfzTuIAAEfU1e8J/tLeLk8caL4Wj0W3m0m1i0qzubi/kjS6u/PsFma7jke6VmCtgbFhfftf5wQRX09deGNJvo7RLjTLK4S0/491mt0YQ8Y+QFfl4447U8eHdNOoQ3zafaG+t08mG68hfNjj/uq2MgY7A0AfN/jTxxr3xI/Yh8QeKde/s2G81bSftK2umRyRxwr5gAUs7sWJxnI29cDON1fSOnyM07qWZhj+L615b+1PZw2P7NfjqC2ijt4o9NwscShFUb16L0HevTtOiYXEg81unqPX6UAaLD98v8Aut/MVJjrwKgaNvOX9633W9PUe1P8tv8Anq/6f4UALD9z/gR/maJlGF4x8wqOGM+X/rW+8fT1PtRLGcL+9b7w9PX6UAWaiT/XS/h/Kjyj/wA9W/T/AAqNIz50n71u3p/hQBLN/q3/AN00sf3F+lRSRny3/et90+n+FKsbbV/et0/2f8KAFb/Xpx2b+lSY9qgZD5yfvW6N6e3tUnlt/wA9W/T/AAoAIeh5/ib+dJMBt7feHb3FMhjO0/vW+83p6/SiaM+X/rW+8vp6j2oAsVGv+ufn+Ef1o8tv+erfp/hUaxnzn/et91fT39qAJPPX0f8A74b/AAqOOdfMk4ft/A3p9KsVGn+sk/D+VADJp18p+H+6f+Wbf4U5J12Lw/T/AJ5t/hTpv9W/+6acv3R9KAIGuF89OH6N/wAs29vapPPX0f8A74b/AApG/wBen0b+lS0AV4Zl2tw33m/gb1pZp12jh/vD/lm3qPanQj5W/wB5v5mlm+6P94fzFAB56+j/APfDf4VGs6+c/D/dX+Bvf2qxUa/65/8AdH9aADz19H/74b/Co4J18iPh/uj+BvT6VNTYP9TH/uj+VAEUky+ZFw/3j/A3oal89fR/++G/wpJP9ZF9T/I1LQBxfj34daL8TLSyttZ/tBP7PvRe2s1hcy2s0cojdAQ6YIG2Rx17/SuOv/2f9DjGYtc8bn/uZb//AOOV7BH96T/e/pS3H+qagDxr/hQGjf8AQa8cf+FNf/8AxdNHwD0fztv9t+Ocbf8AoZr/ANf9+va6i/5eD/uj+dAHjn/DP+jf9Brxz/4U1/8A/F0yH4A6O0QP9ueOskZ/5Ga//wDi69rxUdv/AKlPpQB4xJ8AdH3R41nxx97/AKGbUPQ/7dP/AOFA6L/0GvHP/hTX/wD8XXsk33ov9/8Aoafx60AeKx/AHR90n/E88c8Ngf8AFTX/APdB/v0k3wC0ZYXK6144yASP+Kmv/wD45XtEf3pP97+gon/1Mn+6e9AHjf8AwoDR/wDoOeOv/Cm1D/4utLwl8IdG8G+KDrdpLr9/qbWMlkLjV9Sub3ZCzozKgkZtuSin8K9WqIgeen+6f5igCKzk2W8YZZAcdNjUtvMvl9G6n/lmfU1ZxUUH+r/E/wAzQAyaZcLw/wB4f8s29ak89fR/++G/wom+6P8AeH86koArpMvnScP2/wCWbf4Us0y+W/D9D/yzb/CnJ/rpfw/lTpv9U/0NADUnXavD9P8Anm3+FMaZfPTh+jf8s29vap1+6PpUbf69Po39KAF89fR/++G/wqKGddrcP95v+Wbev0qzUcH3T/vN/OgCOaZdnR/vD+BvUe1Seevo/wD3w3+FE33f+BD+YqSgCusy+c/D/dX/AJZt7+1Seevo/wD3w3+FC/65/wDdH9adQBDBMvkx8P8AdH/LNvT6USTL5kXD9T/A3oakg/1Mf+6P5USf6yP6n+RoAw/GnhbS/H3hjUfD2sQzTaZqEfkzxxs8bMuQeGXBHIFefSfs+6Ckfya542ba3bxNf9Mf9dK9hxUUf3pP97+lAHjMvwB0dYSRrXjkH/sZ77/45T/+FA6N/wBBnxx/4U1//wDF17HcD903X86loA8UX4BaP52P7a8cY25/5Ga/9f8Afp//AAz/AKNx/wATrxx/4U1//wDF17J/y3/4D/WpMCgDxSH4AaM8Kk6345Ix/wBDNf8A/wAXRJ8AtHDR41vxyPm/6Ge+9D/00r2e3/1KfSkk+9F/vevsaAPHP+Gf9G/6Dfjn/wAKbUP/AIuo0+AWjlpM61454bj/AIqa/wDQf7de2VHH96X/AHh/IUAeHav+zh4b1bS7qzvtQ8ZX9lMhWW2uvEV7JG4x0ZWcgivYdPzHK5ZHUEYHyNir8/8AqZP909/apaAK7Tr5y8P91v4G9R7VJ56+j/8Aftv8KD/r1/3T/MVJ60AQQzDZ0f7x/gb1NJNOvycP94fwNT4fuf8AAj/M0s33U/3hQAeevo//AHw3+FRpOvnScP2/5Zt/hViok/10n4fyoASWdfLbh/un+Bv8KVJ12Lw/T/nm3+FOk/1bf7ppyfdX6UAV2mX7QnD9G/gb2qXz19H/AO+G/wAKG/1yfQ/0qSgCvDOu1uH+838DetE067Oj/eH8DeoqSD7p/wB5v50k3+r/AOBD+YoAXz19H/74b/CmLMvnPw/3R/A3vU9R/wDLZ/8AdH9aADy2/wCez/8Ajv8AhUaRt5kn71u3930+lSeev+1/3yf8KjSdfMk+92/hP+FACzRt5b/vX6H+7/hTkjbav75+n+z/AIUya4Xy3+990/wt/hT0uF2r97p/dP8AhQBG0been75+jf3fb2qXy2/57P8A+O/4VE1wvnp97o38J9vapftC/wC1/wB8n/CgCOGNtrfvW+83931+lE0Z2j98/wB5f7vqPaiGZdrfe+838J9fpRNcJsH3vvL/AAn1HtQBJ5bf89n/APHf8KjEbec/71vuj+77+1SfaF/2v++T/hUa3Cec/wB77o/hPv7UAP8AKb/nq/8A47/hTLeNvJj/AHrfdH930+lP+0J/tf8AfLf4Uy3nXyI/vfdH8J9PpQAkkbeZF+9bqf7vofapfLb/AJ7P/wCO/wCFRyTL5kX3up/hPofapPtC/wC1/wB8n/CgCKONt0n71vvf7Pp9KW4jbym/et/47/hSRzruk4b7390+n0p006+W33v++T/hQA/y2/57P/47/hUXlt9oP7xvuj+76/SpftC/7X/fJ/wqPzl+0H733R/CfX6UASeW3/PV/wDx3/Co7eNvJT963T/Z/wAKk85f9r/vk/4VHb3CeSn3un9w/wCFACTRtui/et9//Z9D7VL5bf8APZ//AB3/AAqOaZd0P3vv/wB0+h9qk89f9r/vk/4UAMjjbfJ+9b73+z6D2pJo28mT96/3T/d9/aljuF3ycN97+6fQe1JNOvkyfe+6f4T7+1AEnlt/z2f/AMd/wqNo289f3rfdb+76j2qTz1/2v++T/hUbXCecv3vut/CfUe1AEnlt/wA9X/8AHf8ACooI28v/AFrdT/d9T7VL5y/7X/fJ/wAKjgmXyx97qf4T6n2oASaNtq/vW+8P7vr9Kl8tv+ez/wDjv+FRzTrhfvfeH8J9fpUnnr/tf98n/CgCJI286X963b+7/hTpo28p/wB6/wB0/wB3/CkSZfOl+92/hP8AhSzTL5b/AHuh/hP+FADkjbav75+n+z/hUbRt56fvX6N/d9vapEuF2r97p/dP+FRtcL56fe6N/C3t7UAS+W3/AD2f/wAd/wAKjhjba371vvN/d9fpUn2hf9r/AL5P+FRQ3C7W+995v4T6/SgBZo22f61vvD+76j2qTy2/57P/AOO/4VHNcJ5f8X3l/gPqPapPPX/a/wC+T/hQBGI285/3rfdH9339qf5Tf89X/wDHf8KYtwnnP977o/hPv7U/7Qn+1/3y3+FADLeNvJj/AHrfdH930+lEiN5kX7xup/u+h9qLedfIj+990fwn0+lEky+ZF97qf4T6H2oAk8tv+ez/APjv+FRRxtuk/et97/Z9PpUv2hf9r/vk/wCFRRzruk4b7390+n0oALiNvKf963/jv+FS+W3/AD2f/wAd/wAKjuJl8lvvf98n/CpPtC/7X/fJ/wAKAI/Lb7R/rW+7/s+v0qTy2/56v/47/hUYmXz/AOL7v90+v0qTz19G/wC+W/woAjt428lP3r9P9n/CiSM7ov3z/e/2fQ+1Jb3CeSn3un91v8KWS4TdF977/wDdPofagCTy2/57P/47/hUccbeZL+9b73+z6D2qT7Qn+1/3wf8ACmRzL5kv3vvf3T6D2oAbPG3kSfvX+6f7vp9Kl8tv+ez/APjv+FRzTr5Mn3vun+E+/tUnnr/tf98n/CgCMxt56/vW+63931HtUnln/ns//jv+FRtcJ5y/e+638J9R7VJ9oT1b/vk/4UARQxt5f+tb7x/u+p9qWaNvk/et94f3fX6UQzLs/i+8f4T6n2ommX5PvfeH8J/woAk8tv8Ans//AI7/AIVEkbedJ++bt/d/wqX7Qv8Atf8AfJ/wqNJl86X73b+E/wCFACyRt5bfvX+6f7v+FLHG2xf3z9P9n/CiWZfLf733T/Cf8KWOddi8N0/un/CgBjRt5yfvX6N/d9vapPLb/ns//jv+FRPcL50f3ujfwn29ql89f9r/AL5P+FAEcMbbW/et95v7vr9KJo28v/Wt94f3fUe1JDcLtb733m/hPr9KWa4Ty/4vvL/AfUe1AEnlt/z2f/x3/Co1jPnP++f7q/3ff2qTz1/2v++T/hUa3Cec/wB77o/hPv7UAf/Z)

### Class Diagram

Aici este diagrama de clase generata de IntelliJ cu toate clasele folosite in proiect si legaturile dintre ele.

*O imagine care conține captură de ecran, text, software, Software multimedia

Descriere generată automat*

## Data Model

*O imagine care conține text, captură de ecran, proiectare

Descriere generată automat*

# System Testing

Pentru a testa daca CRUD-urile functioneaza cum trebuie am implementat trei clase de test pentru User, Product si Category in care am verificat functionarea metodelor de update, create si delete pe cazurile in care anumite produse/category/useri exista sau nu exista verificand in special dupa id.

# Future Improvements

Ca implementari ulterioare ma gandeam ca as putea realiza un system de review pentru produse si de asemenea un form pentru feedback. De asemenea, pentru partea de frontend, as putea lucra mai mult la CSS pentru ca site-ul sa arate mai bine.

# Conclusion

În concluzie, aș putea spune că proiectul respectă cerințele și are multe funcționalități interesante și utile cum ar fi chatul creat folosind Websocket, criptarea de parole, butonul care adauga un produs din wishlist in cart si altele.

# Bibliography

<https://stackoverflow.com/>

<https://www.w3schools.com/html/>

<https://www.w3schools.com/css/>

<https://examples.javacodegeeks.com/java-development/core-java/xml/parsers/documentbuilderfactory/create-xml-file-in-java-using-dom-parser-example/>

<https://www.youtube.com/watch?v=k5E2AVpwsko>