**DPPL-04**

DESKRIPSI PERANCANGAN PERANGKAT LUNAK

SCI - LAND

untuk:

Ir . Sri Widowarti, S. T., M.T.

Dipersiapkan oleh:

Jovita Nurvania - 1301174215

Fikri Noor Ibrahim - 1301174307

Fakhrana Kurnia Sutrisno - 1301174344

Ariq Musyaffa Ramadhani - 1301174354

Program Studi Informatika

Fakultas Informatika

Jl. Telekomunikasi 1, Dayeuhkolot Bandung

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Prodi S1- Informatika**  **Universitas Telkom** | Nomor Dokumen | | Halaman |
| *DPPL-04* | | *34* |
| Revisi | *0* | *Tgl: 28/04/2019* |

DAFTAR PERUBAHAN

|  |  |
| --- | --- |
| Revisi | Deskripsi |
| A |  |
| B |  |
| C |  |
| D |  |
| E |  |
| F |  |
| G |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| INDEX  TGL | - | A | B | C | D | E | F | G |
| Ditulis oleh |  |  |  |  |  |  |  |  |
| Diperiksa oleh |  |  |  |  |  |  |  |  |
| Disetujui oleh |  |  |  |  |  |  |  |  |

Daftar Halaman Perubahan

|  |  |  |  |
| --- | --- | --- | --- |
| Halaman | Revisi | Halaman | Revisi |
|  |  |  |  |

Daftar Isi

[Daftar Tabel 6](#_Toc7688297)

[Daftar Gambar 7](#_Toc7688298)

[1. Pendahuluan 8](#_Toc7688299)

[1.1 Tujuan Penulisan Dokumen 8](#_Toc7688300)

[1.2 Lingkup Masalah 8](#_Toc7688301)

[1.3 Definisi dan Istilah 8](#_Toc7688302)

[1.4 Referensi 8](#_Toc7688303)

[1.5 Sistematika Pembahasan 8](#_Toc7688304)

[2 Deskripsi Perancangan Global 9](#_Toc7688305)

[2.1 Deskripsi Arsitektural 9](#_Toc7688306)

[2.2 Deskripsi Komponen 10](#_Toc7688307)

[3 Perancangan Rinci 11](#_Toc7688308)

[3.1 Realisasi Use Case 11](#_Toc7688309)

[3.1.1 Use Case #1 Kelola Akun Admin 11](#_Toc7688310)

[3.1.1.1 Perancangan Antarmuka Usecase #1 11](#_Toc7688311)

[3.1.1.1.1 Tabel Identifikasi Antarmuka / Layar / Page 12](#_Toc7688312)

[3.1.1.2 Identifikasi Object Baru 12](#_Toc7688313)

[3.1.1.3 Robustness Diagram 13](#_Toc7688314)

[3.1.1.4 Diagram Kelas 13](#_Toc7688315)

[3.1.1.5 Sequence Diagram 14](#_Toc7688316)

[3.1.2 Use Case #2 Kelola Akun Peminjam 14](#_Toc7688317)

[3.1.2.1 Perancangan Antarmuka Usecase #2 14](#_Toc7688318)

[3.1.2.1.1 Tabel Identifikasi Antarmuka / Layar / Page 15](#_Toc7688319)

[3.1.2.2 Identifikasi Object Baru 15](#_Toc7688320)

[3.1.2.3 Robustness Diagram 16](#_Toc7688321)

[3.1.2.4 Diagram Kelas 16](#_Toc7688322)

[3.1.2.5 Sequence Diagram 17](#_Toc7688323)

[3.1.3 Use Case #3 Peminjaman Buku 17](#_Toc7688324)

[3.1.3.1 Perancangan Antarmuka Usecase #3 18](#_Toc7688325)

[3.1.3.1.1 Tabel Identifikasi Antarmuka / Layar / Page 19](#_Toc7688326)

[3.1.3.2 Identifikasi Object Baru 20](#_Toc7688327)

[3.1.3.3 Robustness Diagram 21](#_Toc7688328)

[3.1.3.4 Diagram Kelas 22](#_Toc7688329)

[3.1.3.5 Sequence Diagram 23](#_Toc7688330)

[3.1.4 Use Case #4 Kelola Data Buku 23](#_Toc7688331)

[3.1.4.1 Perancangan Antarmuka Usecase #4 24](#_Toc7688332)

[3.1.4.1.1 Tabel Identifikasi Antarmuka / Layar / Page 26](#_Toc7688333)

[3.1.4.2 Identifikasi Object Baru 27](#_Toc7688334)

[3.1.4.3 Robustness Diagram 27](#_Toc7688335)

[3.1.4.4 Diagram Kelas 28](#_Toc7688336)

[3.1.4.5 Sequence Diagram 29](#_Toc7688337)

[3.1.5 Use Case #5 Pengembalian Buku 29](#_Toc7688338)

[3.1.5.1 Perancangan Antarmuka Usecase #5 30](#_Toc7688339)

[3.1.5.1.1 Tabel Identifikasi Antarmuka / Layar / Page 30](#_Toc7688340)

[3.1.5.2 Identifikasi Object Baru 31](#_Toc7688341)

[3.1.5.3 Robustness Diagram 31](#_Toc7688342)

[3.1.5.4 Diagram Kelas 32](#_Toc7688343)

[3.1.5.5 Sequence Diagram 33](#_Toc7688344)

[4 Perancangan Detil 34](#_Toc7688345)

[4.1 Perancangan Detil Kelas 34](#_Toc7688346)

[4.2 Perancangan Kelas Persistensi 35](#_Toc7688347)

[4.3 Perancangan Algoritma 35](#_Toc7688348)

[4.3.1 Algoritma #1 35](#_Toc7688349)

[4.4 Perancangan Query 36](#_Toc7688350)

[5 Matriks Kerunutan (Requirement Traceability Matrix) 36](#_Toc7688351)

# 1. Pendahuluan

## Tujuan Penulisan Dokumen

Dokumen Perancangan Perangkat Lunak (DPPL) adalah dokumen perancangan sebuah perangkat lunak yang bertujuan sebagai acuan untuk mulai merealisasikan perangkat lunak yang akan dibangun. Penulisan dokumen ini memiliki dua tujuan, yang pertama yaitu sebagai acuan pengembang untuk pembangunan perangkat lunak yang spesifikasinya sudah dijabarkan dan dianalisis pada dokumen SKPL. Tujuan terakhir adalah untuk memenuhi tugas yang telah diberikan pada mata kuliah Analisis dan Perancangan Perangkat Lunak.

## Lingkup Masalah

SCI-LAND adalah perangkat lunak berbasis web yang merupakan sebuah sistem informasi untuk perpustakaan. Perangkat lunak ini mengatur peminjaman buku oleh anggota perpustakaan secara online. Selain itu perangkat lunak ini juga mengolah data buku, data pengguna, dan data pegawai(hanya administrator). Perangkat lunak ini tentunya membutuhkan konektivitas internet agar dapat digunakan.*.*

## Definisi dan Istilah

|  |  |  |
| --- | --- | --- |
| No | Definisi/Singkatan | Penjelasan |
| 1. | SKPL | Dokumen yang berisi penjabaran spesifikasi suatu perangkat lunak. |
| 2. | DPPL | Dokumen yang berisi deskripsi dari perancangan perangkat lunak yang akan dikembangkan. |

## Referensi

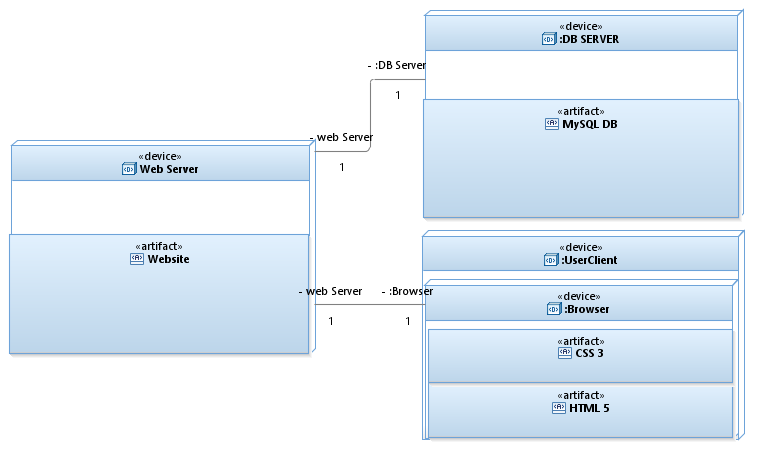
1. Dokumen SKPL Sistem Informasi SCI-LAND

## Sistematika Pembahasan

1. Bab 1 Pendahuluan berisi tujuan penulisan dokumen, lingkup masalah, dan datar definisi dan istilah
2. Bab 2 Deskripsi Perancangan Global berisi rancangan lingkungan implementasi, Deskripsi arsitektural, dan deskripsi komponen.
3. Bab 3 Perancangan rinci berisi realisasi *use case,* perancangan detil kelas, diagram kelas keseluruhan, algoritma/query, perancangan antarmuka, dan perancangan representasi persistensi kelas.
4. Bab 4 Matriks Kerunutan berisi daftar pemetaan *use case* dengan kelas terkait.

# Deskripsi Perancangan Global

## Deskripsi Arsitektural



## Deskripsi Komponen

|  |  |  |
| --- | --- | --- |
| **No** | **Nama Komponen** | **Keterangan** |
|  | View\_register | Tampilan registrasi |
|  | View\_login | Tampilan Login |
|  | View\_peminjaman | Tampilan peminjaman buku |
|  | View\_pengembalian | Tampilan pengembalian buku |
|  | View\_kelola\_buku | Tampilan pengelolaan buku |
|  | Register\_controller | Pemroses registrasi |
|  | Login\_controller | Pemroses login |
|  | peminjaman\_controller | Pemroses peminjaman |
|  | pengembalian\_controller | Pemroses pengembalian |
|  | Kelola\_buku\_controller | Pemroses pengelolaan buku |
|  | Peminjam\_model | Model data peminjam |
|  | Admin\_model | Model data admin |
|  | Peminjaman\_model | Model data peminjaman |
|  | Buku\_model | Model data buku |

# Perancangan Rinci

## Realisasi Use Case

Berisi TABEL USE CASE sebagai berikut :

|  |  |  |
| --- | --- | --- |
| No | Nama Use Case | Deskripsi Use Case |
| #1 | Kelola Akun Admin | Admin dapat mengelola akunnya dengan mengubah data |
| #2 | Kelola Akun Peminjam | Peminjam dapat mengelola akunnya dengan mengubah data |
| #3 | Peminjaman Buku | Peminjam dapat mencari buku, melihat detail buku dan meminjam buku |
| #4 | Kelola Data Buku | Admin dapat mengelola data buku dengan menambah data, mengedit data maupun menghapus data |
| #5 | Pengembalian Buku | Peminjam dapat mengisi data pengembalian buku |

### Use Case #1 Kelola Akun Admin

Skenario Use Case #1 :

Primary Flow :

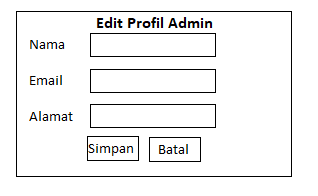
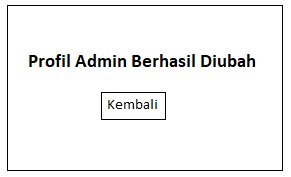
* Admin membuka menu edit profil
* Admin mengubah data yang disediakan pada menu kelola profil Admin.
* Admin meng-klik ‘Simpan’
* Jika data yang diisi valid maka akan disimpan ke *database*.

Alternate Flow :

Admin meng-klik ‘Batal’ maka halaman akan kembali ke halaman sebelumnya.

Jika data yang diisi tidak valid maka perubahan gagal dan Admin akan diminta menginput ulang data.

#### Perancangan Antarmuka Usecase #1



#### Tabel Identifikasi Antarmuka / Layar / Page

|  |  |  |
| --- | --- | --- |
| **ID. LAYAR** | **NAMA LAYAR** | **DESKRIPSI** |
| 1A | Page Edit profil admin | Halaman mengubah profil admin |
| 2A | Page Berhasil admin | Halaman pernyataan profil berhasil diubah |

*Page EDIT PROFIL*

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Nama\_admin | Text | (nama admin) | Isi nama admin berupa teks |
| Email\_admin | Text | (email admin) | Isi email admin berupa teks |
| Alamat\_admin | Text | (alamat admin) | Isi alamat admin berupa teks |
| Button1 | Button | Simpan | Jika diklik akan menyimpan data yang diinput ke database |
| Button2 | Button | Batal | Jika diklik tidak menyimpan data yang diinput.dan kembali ke halaman utama |

*Page BERHASIL*

| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| --- | --- | --- | --- |
| *Button2* | Button | Kembali | Jika diklik, akan mengembalikan ke halaman utama |

#### Identifikasi Object Baru

*Identifikasi object yang terkait dengan use case tersebut.*

*Kelas pada tahap perancangan berbeda dengan kelas pada tahap analisis.*

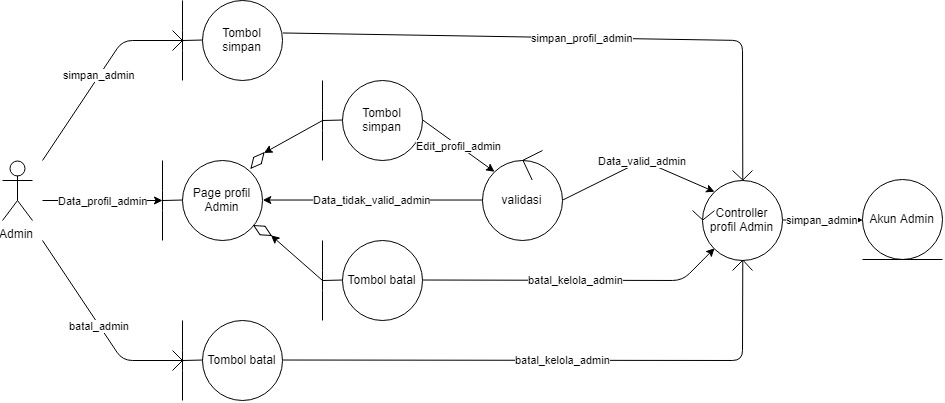
*Gunakan tabel di bawah:*

*TABEL OBJECT PERANCANGAN*

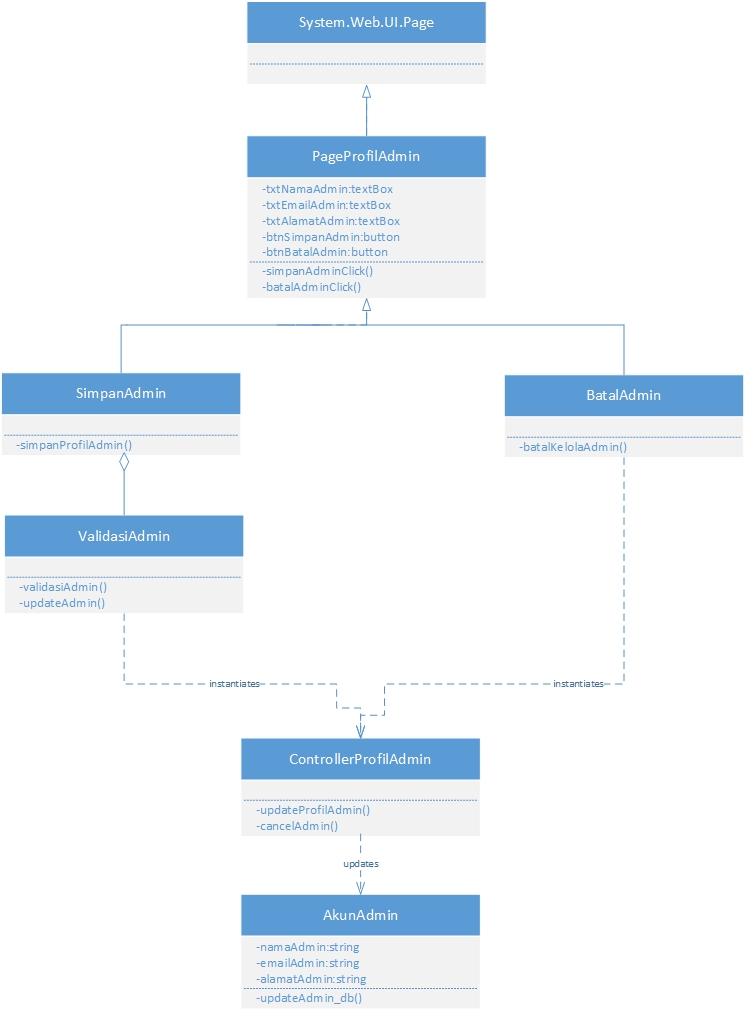
|  |  |  |
| --- | --- | --- |
| **No** | **Nama Object Baru** | **Jenis / Tipe Kelas** |
| 1. | Tombol Simpan | Boundary |
| 2. | Page profil Admin | Boundary |
| 3. | Tombol Batal | Boundary |
| 4. | Validasi | Controller |
| 5. | Controller profil Admin | Controller |
| 6. | Akun Admin | Entity |

*\*Tipe kelas seperti Boundary(Interface), Entity(Database), Controller*

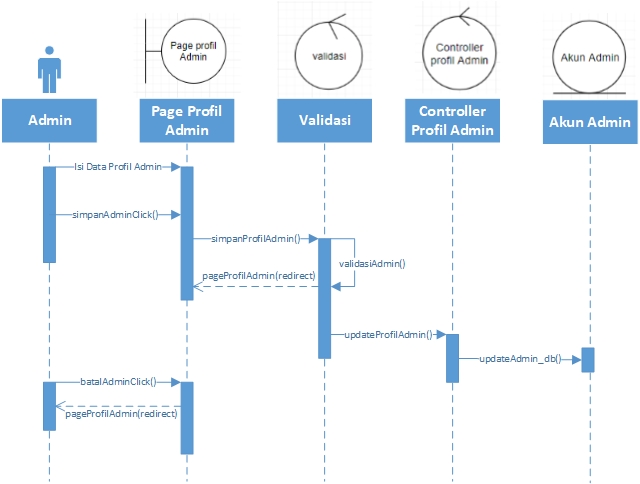
#### Robustness Diagram



#### Diagram Kelas

****

#### Sequence Diagram

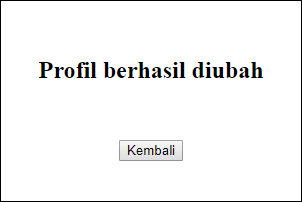


### Use Case #2 Kelola Akun Peminjam

Skenario Use Case #2

* Primary Flow
  + - Peminjam membuka menu edit profil
    - Peminjam mengubah data yang disediakan pada menu kelola profil
    - Peminjam meng-klik ‘Simpan’
    - Jika data yang diisi valid, akan disimpan ke *database*
* Alternate Flow
* Peminjam meng-klik ‘Batal’, halaman akan kembali ke halaman sebelumnya
* Jika data yang diisi tidak valid, perubahan gagal dan peminjam akan diminta menginput ulang data

#### Perancangan Antarmuka Usecase #2



#### Tabel Identifikasi Antarmuka / Layar / Page

|  |  |  |
| --- | --- | --- |
| **ID. LAYAR** | **NAMA LAYAR** | **DESKRIPSI** |
| 1B | Page Edit profil peminjam | Halaman mengubah profil peminjam |
| 2B | Page Berhasil peminjam | Halaman pernyataan profil berhasil diubah |

*Page Edit profil peminjam*

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Nama\_admin | Text | (nama admin) | Isi nama admin berupa teks |
| Email\_admin | Text | (email admin) | Isi email admin berupa teks |
| Alamat\_admin | Text | (alamat admin) | Isi alamat admin berupa teks |
| Button1 | Button | Simpan | Jika diklik akan menyimpan data yang diinput ke database |
| Button2 | Button | Batal | Jika diklik tidak menyimpan data yang diinput.dan kembali ke halaman utama |

*Page REGISTRASI*

| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| --- | --- | --- | --- |
| *Button2* | Button | Kembali | Jika diklik, akan mengembalikan ke halaman utama |

#### Identifikasi Object Baru

*Identifikasi object yang terkait dengan use case tersebut.*

*Kelas pada tahap perancangan berbeda dengan kelas pada tahap analisis.*

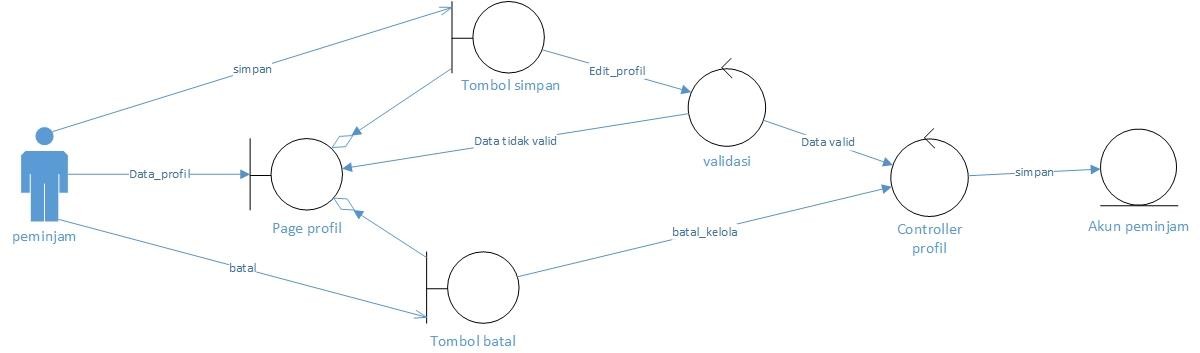
*Gunakan tabel di bawah:*

TABEL OBJECT PERANCANGAN

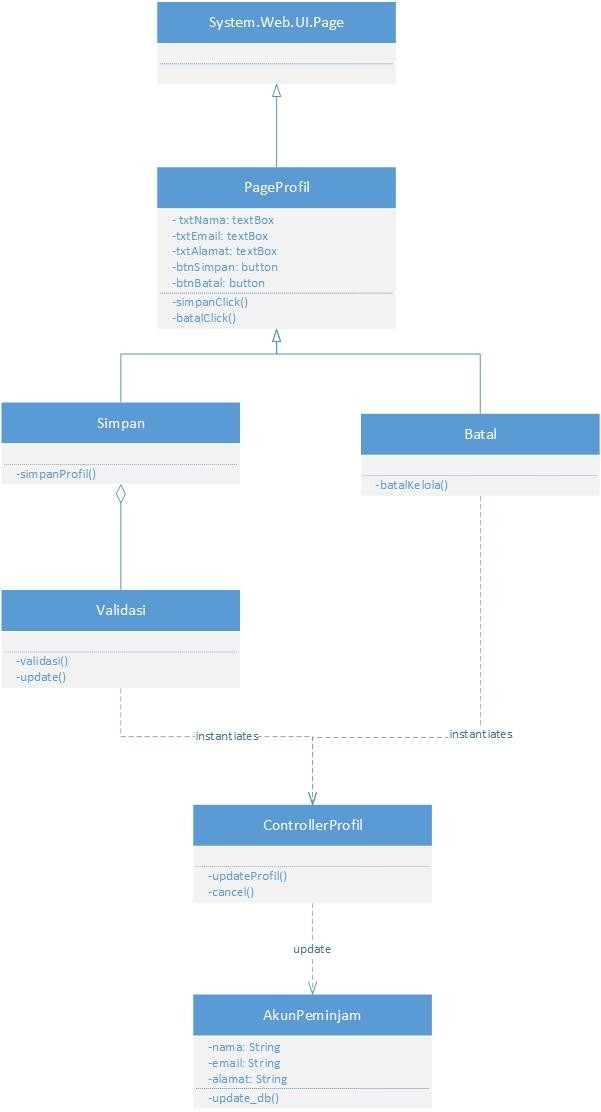
|  |  |  |
| --- | --- | --- |
| **No** | **Nama Object Baru** | **Jenis / Tipe Kelas** |
| 1. | Page profil | Boundary |
| 2. | Tombol simpan | Boundary |
| 3. | Tombol batal | Boundary |
| 4. | Validasi | Controller |
| 5. | Controller profil | Controller |
| 6. | Akun peminjam | Entity |

*\*Tipe kelas seperti Boundary(Interface), Entity(Database), Controller*

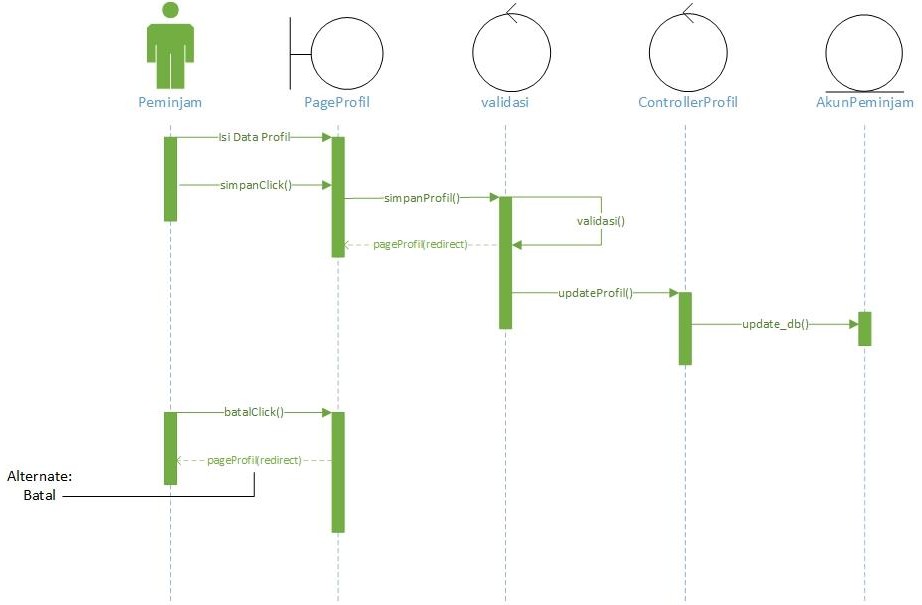
#### Robustness Diagram



#### Diagram Kelas



#### Sequence Diagram



### Use Case #3 Peminjaman Buku

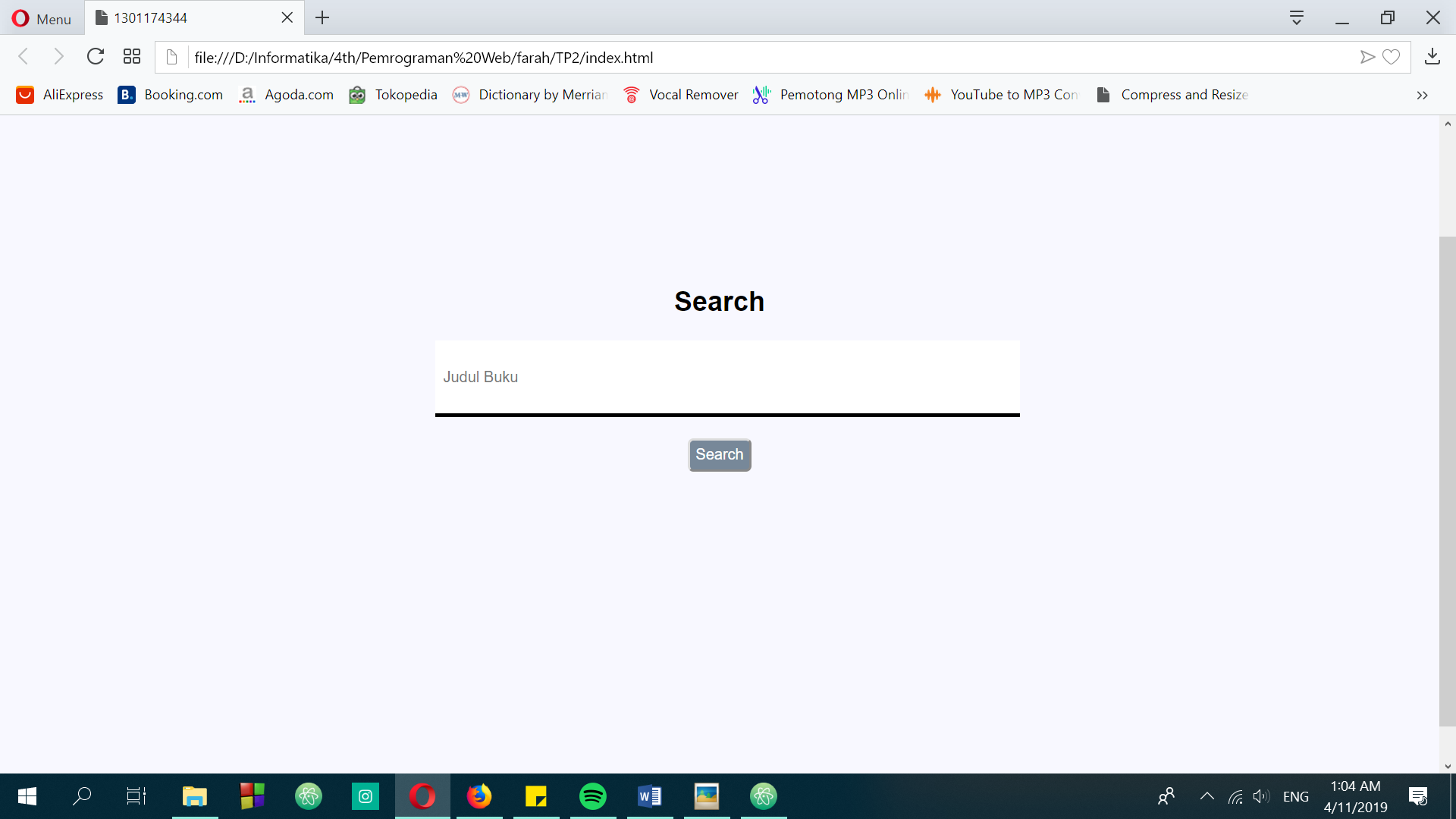
Skenario Use Case #3

Pre-condition : Peminjam sudah memasukin page pencarian.

* Primary Flow
* Peminjam menginputkan judul buku yang ingin dipinjam di kolom search.
* Peminjam meng-click tombol search.
* Sistem mencari judul buku yang sesuai di database buku.
* Sistem menampilkan daftar buku yang sesuai kata kunci dari database buku.
* Peminjam memilih buku dari daftar buku yang ditampilkan oleh sistem.
* Sistem menampilkan detail buku yang dipilih peminjam.
* Peminjam mengklik ‘Pinjam’ pada buku yang dipilihnya.
* Sistem menerima laporan peminjaman buku dan memproses datanya.
* Sistem mengambil tanggal secara otomatis untuk dimasukkan kedalam database peminjaman.
* Sistem mengatur nomor peminjaman sesuai dengan tanggal pinjam dan urutan peminjam.
* Sistem menampilkan laporan peminjaman kepada peminjam.
* Alternate Flow
* Jika buku yang dicari tidak ditemukan peminjam akan kembali ke page pencarian.

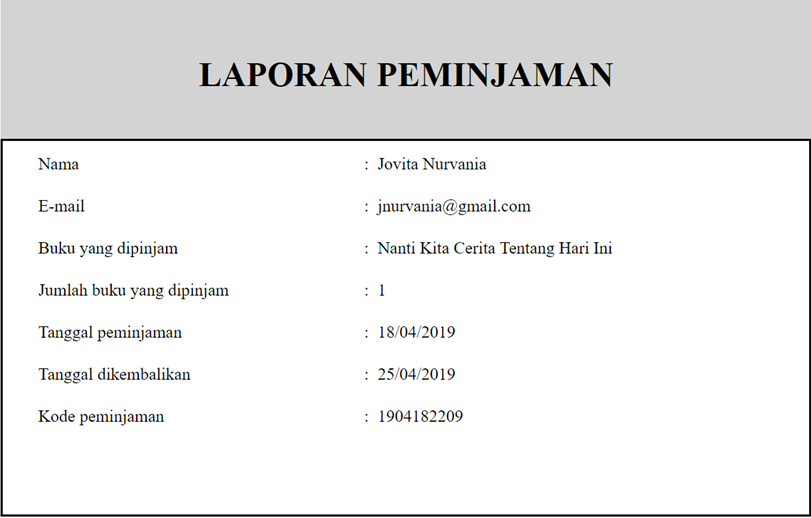
Post-condition : Peminjam mendapatkan id peminjaman.

#### Perancangan Antarmuka Usecase #3









#### Tabel Identifikasi Antarmuka / Layar / Page

|  |  |  |
| --- | --- | --- |
| **ID. LAYAR** | **NAMA LAYAR** | **DESKRIPSI** |
| 3A | Page Pencarian | Halaman yang berisi kolom untuk menginput judul buku yang dicari |
| 3B | Page Daftar Buku | Halaman yang berisi daftar buku hasil pencarian |
| 3C | Page Detail Buku | Halaman yang menampilkan detail buku berupa synopsis dan ketersediaan |
| 3D | Page Laporan Peminjaman | Halaman yang menampilkan detail peminjaman |

*Page Pencarian*

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| kolomSearch | Text | (judul buku) | Diisi dengan judul buku yang ingin dicari. |
| ButtonSearch | Button | Search | Jika diklik, akan mencari judul buku yang sesuai di database |

*Page Daftar Buku*

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Buku | Gambar | (gambar buku) | Berisi gambar-gambar buku yang sesuai kata kunci |
| Judul Buku | Label | (judul buku) | Berisi judul-judul buku yang sesuai kata kunci |
| BtnLihatDetail | Button | Lihat Detail | Jika diklik akan menampilkan sinopsis buku |

*Page Detail Buku*

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Judul\_buku | Label | (judul buku) | Berisi judul buku yang dipilih |
| Buku | Gambar | (gambar buku) | Berisi gambar buku yang dipilih. |
| Sinopsis | Label | (sinopsis) | Berisi sinopsis buku dari database |
| ketersediaan | Label | (jumlah ketersediaan) | Berisi jumlah ketersediaan buku yang dipilih |
| BtnPinjam | Button | Pinjam | Jika diklik akan terjadi proses penyimpanan data buku yang dipinjam ke database. |

*Page Laporan*

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Nama\_peminjam | Label | (nama peminjam) | Berisi nama peminjam yang diambil dari database |
| Email\_peminjam | Label | (email peminjam) | Berisi email peminjam yang diambil dari database |
| Bukupinjam | Label | (judul buku) | Berisi judul buku yang diambil dari database |
| JmlBuku | Text | (jumlah buku) | Isi jumlah buku yang ingin dipinjam berupa teks |
| TglPinjam | Label | (tanggal dipinjam) | Berisi tanggal buku dipinjam yang diambil dari tanggal dan waktu system. |
| TglKembali | Label | (tanggal dikembalikan) | Isi tanggal buku akan dikembalikan. |
| KodePinjam | Label | (kode peminjaman) | Berisi kode peminjaman yang diatur secara acak sesuai tanggal dan urutan peminjaman |

#### Identifikasi Object Baru

*Identifikasi object yang terkait dengan use case tersebut.*

*Kelas pada tahap perancangan berbeda dengan kelas pada tahap analisis.*

*Gunakan tabel di bawah:*

TABEL OBJECT PERANCANGAN

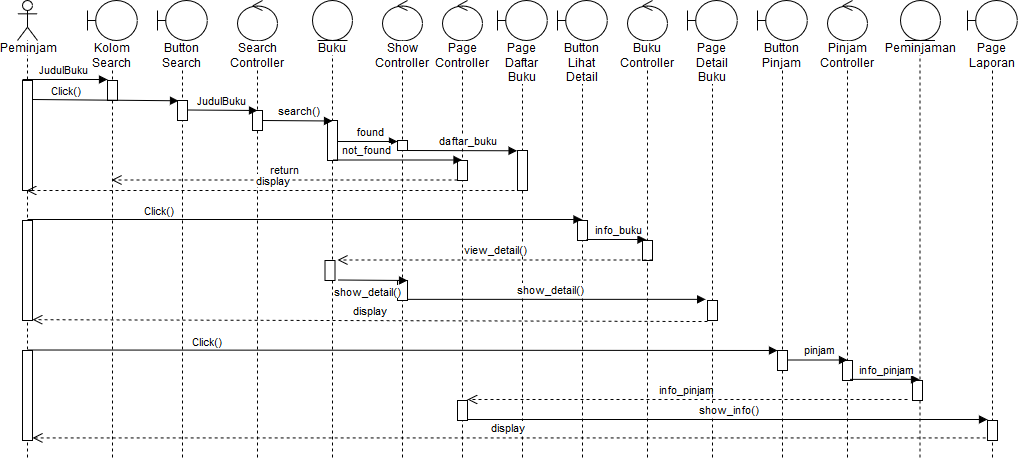
|  |  |  |
| --- | --- | --- |
| **No** | **Nama Object Baru** | **Jenis / Tipe Kelas** |
| 1. | Button Search | Boundary |
| 2. | Page Pencarian | Boundary |
| 3. | Kolom Search | Boundary |
| 4. | Search Controller | Controller |
| 5. | Buku | Entity |
| 6. | Show Controller | Controller |
| 7. | Page Controller | Controller |
| 8. | Show Controller | Controller |
| 9. | Page Daftar Buku | Boundary |
| 10. | Button Lihat Detail | Boundary |
| 11. | Buku Controller | Controller |
| 11. | Page Detail Buku | Boundary |
| 12. | Button Pinjam | Boundary |
| 13. | Pinjam Controller | Controller |
| 14. | Peminjaman | Entity |
| 15. | Page Laporan | Boundary |

*\*Tipe kelas seperti Boundary(Interface), Entity(Database), Controller*

#### Robustness Diagram

#### Diagram Kelas

#### Sequence Diagram

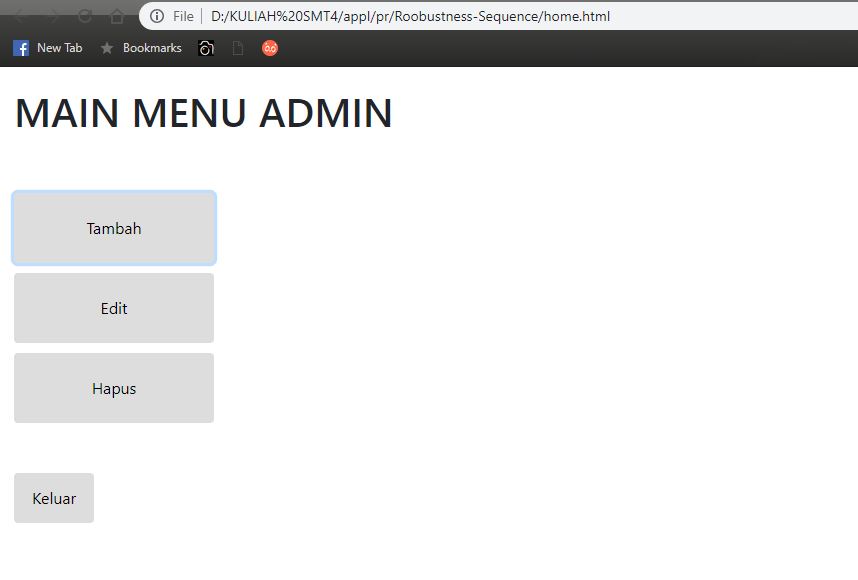
**

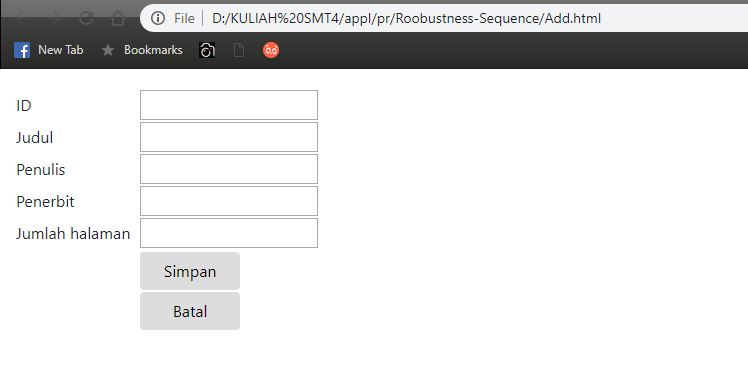
### Use Case #4 Kelola Data Buku

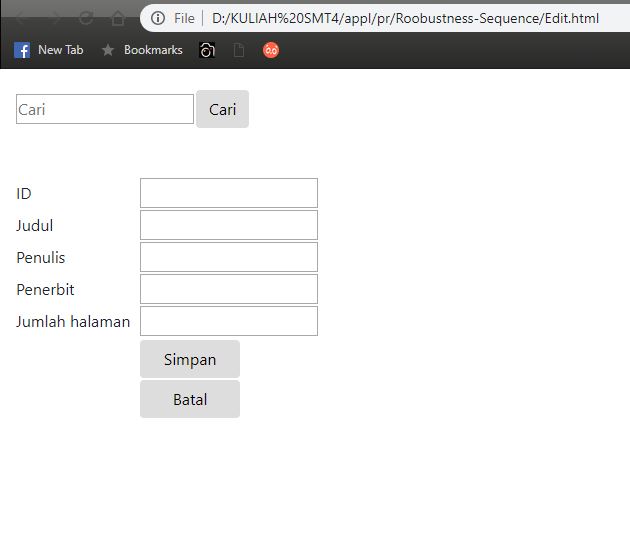
Skenario Use Case #4

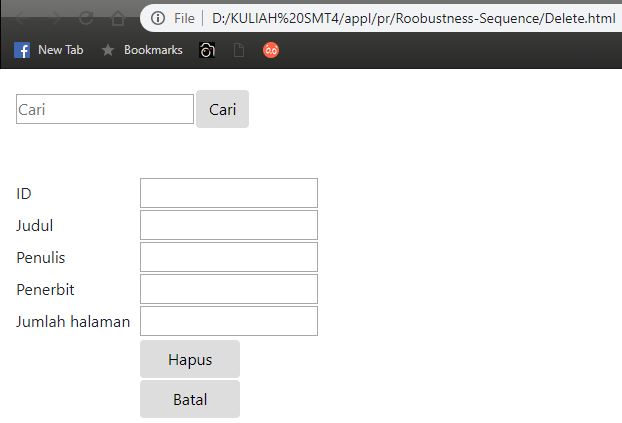
* Primary Flow
  + Admin berada pada menu utama
  + Admin dapat memilih menu Add, Edit, Delete untuk data buku
* Alternate Flow (Add)
  + Admin berada pada menu Add
  + Admin memasukan data buku yang akan ditambahkan ke database buku melalui form
  + Data akan divalidasi oleh sistem pada saat admin menekan tombol ‘save’
  + Jika data valid sistem akan menyimpan data tesebut ke database
  + Jika data tidak valid, sistem akan mengembalikan tampilan form data buku
* Alternate Flow (Edit)
  + Admin berada pada menu edit
  + Admin mencari buku yang akan diedit datanya pada kolom pencarian
  + Jika ditemukan, sistem akan menampilkan form edit data buku
  + Admin mengisi/mengubah data buku
  + Data akan divalidasi oleh sistem pada saat admin menekan tombol ‘save’
  + Jika data valid sistem akan menyimpan data tesebut ke database
  + Jika data buku tidak ditemukan, sistem tidak akan menampilkan form edit data buku dan menampilkan pesan ‘buku tidak ditemukan’
  + Jika data edit buku tidak valid, sistem akan mengembalikan tampilan form edit data buku dengan pesan ‘data tidak valid’
* Alternate Flow (Delete)
  + Admin berada pada menu delete
  + Admin mencari data buku yang akan dihapus
  + Jika data buku ditemukan, sistem menampilkan detail data buku yang akan dihapus
  + Admin menekan tombol ‘hapus’
  + Jika data buku tidak ditemukan, sistem tidak akan menampilkan form delete data buku dan menampilkan pesan ‘buku tidak ditemukan’

#### Perancangan Antarmuka Usecase #4









#### Tabel Identifikasi Antarmuka / Layar / Page

|  |  |  |
| --- | --- | --- |
| **ID. LAYAR** | **NAMA LAYAR** | **DESKRIPSI** |
| 4A | Page Main Menu Admin | Halaman utama setelah login admin |
| 4B | Page Tambah Data Buku | Halaman untuk menginputkan data buku yang ditambahkan |
| 4C | Page Edit Data Buku | Halaman untuk mengubah data buku |
| 4E | Page Delete Data Buku | Halaman untuk menghapus data buku |

Page Main Menu Admin

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Button1 | Button | Tambah | Jika diklik akan masuk ke halaman tambah buku |
| Button2 | Button | Edit | Jika diklik akan masuk ke halaman edit buku |
| Button3 | Button | Hapus | Jika diklik akan masuk ke halaman hapus buku |
| Button4 | Button | Keluar | Jika diklik akan kembali ke halaman utama |

Page Tambah Data Buku

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| ID\_Buku | Text | (ID Buku) | Isi ID Buku berupa teks |
| Judul\_buku | Text | (Judul buku) | Isi judul buku berupa teks |
| Nama\_Penulis | Text | (Nama Penulis) | Isi nama penulis berupa teks |
| Penerbit | Text | (Penerbit) | Isi penerbit berupa teks |
| Jumlah\_hal | Text | (Jumlah halaman) | Isi jumlah halaman berupa teks |
| Button1 | Button | Simpan | Jika diklik akan menyimpan data yang diinput ke database |
| Button2 | Button | Batal | Jika diklik tidak menyimpan data yang diinput. |

Page Edit Data Buku

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Cari | Text | (Judul\_buku) | Isi dengan judul buku yang akan diedit |
| Button1 | Button | Cari | Proses mengambil kata kunci dari text cari untuk mencocokkan dengan database |
| ID\_Buku | Text | (ID Buku) | Isi ID Buku berupa teks |
| Judul\_buku | Text | (Judul buku) | Isi judul buku berupa teks |
| Nama\_Penulis | Text | (Nama Penulis) | Isi nama penulis berupa teks |
| Penerbit | Text | (Penerbit) | Isi penerbit berupa teks |
| Jumlah\_hal | Text | (Jumlah halaman) | Isi jumlah halaman berupa teks |
| Button2 | Button | Simpan | Jika diklik akan menyimpan data baru yang diinput ke database |
| Button3 | Button | Batal | Jika diklik tidak memperbarui data yang diinput. |

Page Delete Edit Data

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Cari | Text | (Judul\_buku) | Isi dengan judul buku yang akan dihapus |
| Button1 | Button | Cari | Proses mengambil kata kunci dari text cari untuk mencocokkan dengan database |
| ID\_Buku | Text | (ID Buku) | Isi ID Buku berupa teks |
| Judul\_buku | Text | (Judul buku) | Isi judul buku berupa teks |
| Nama\_Penulis | Text | (Nama Penulis) | Isi nama penulis berupa teks |
| Penerbit | Text | (Penerbit) | Isi penerbit berupa teks |
| Jumlah\_hal | Text | (Jumlah halaman) | Isi jumlah halaman berupa teks |
| Button2 | Button | Hapus | Jika diklik akan menghapus data yang ada di database |
| Button3 | Button | Batal | Jika diklik tidak menghapus data yang diinput. |

#### Identifikasi Object Baru

*Identifikasi object yang terkait dengan use case tersebut.*

*Kelas pada tahap perancangan berbeda dengan kelas pada tahap analisis.*

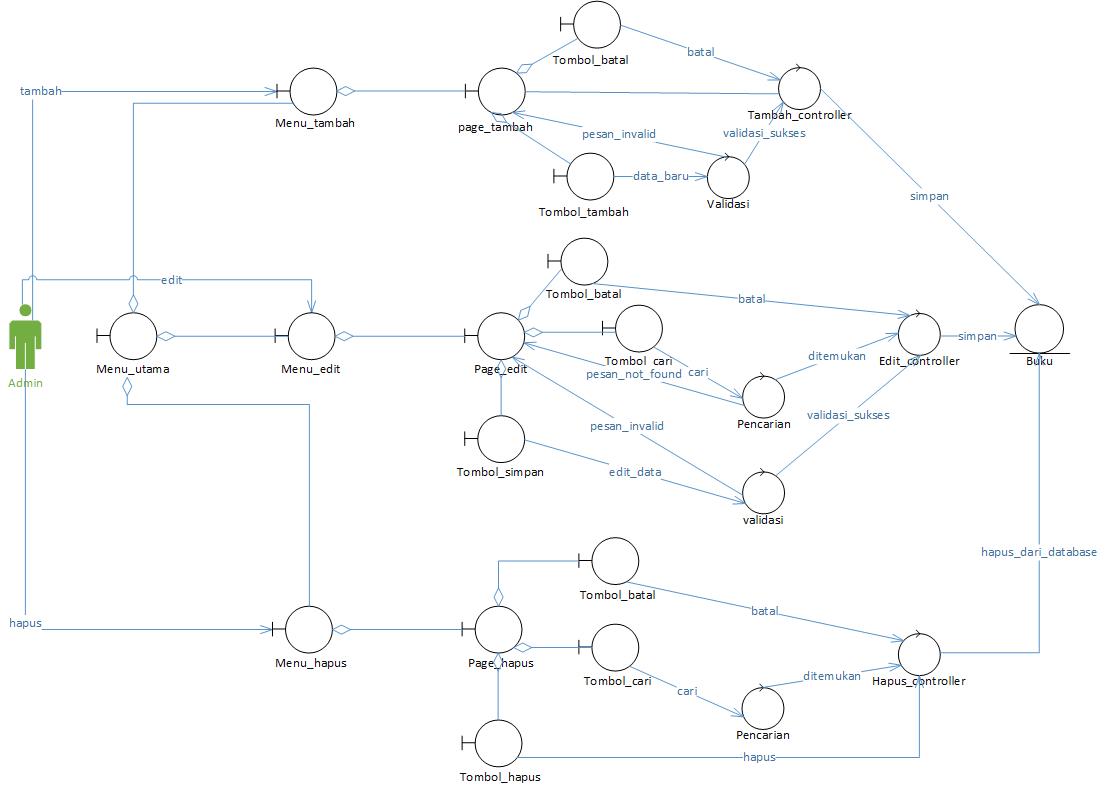
*Gunakan tabel di bawah:*

*TABEL OBJECT PERANCANGAN*

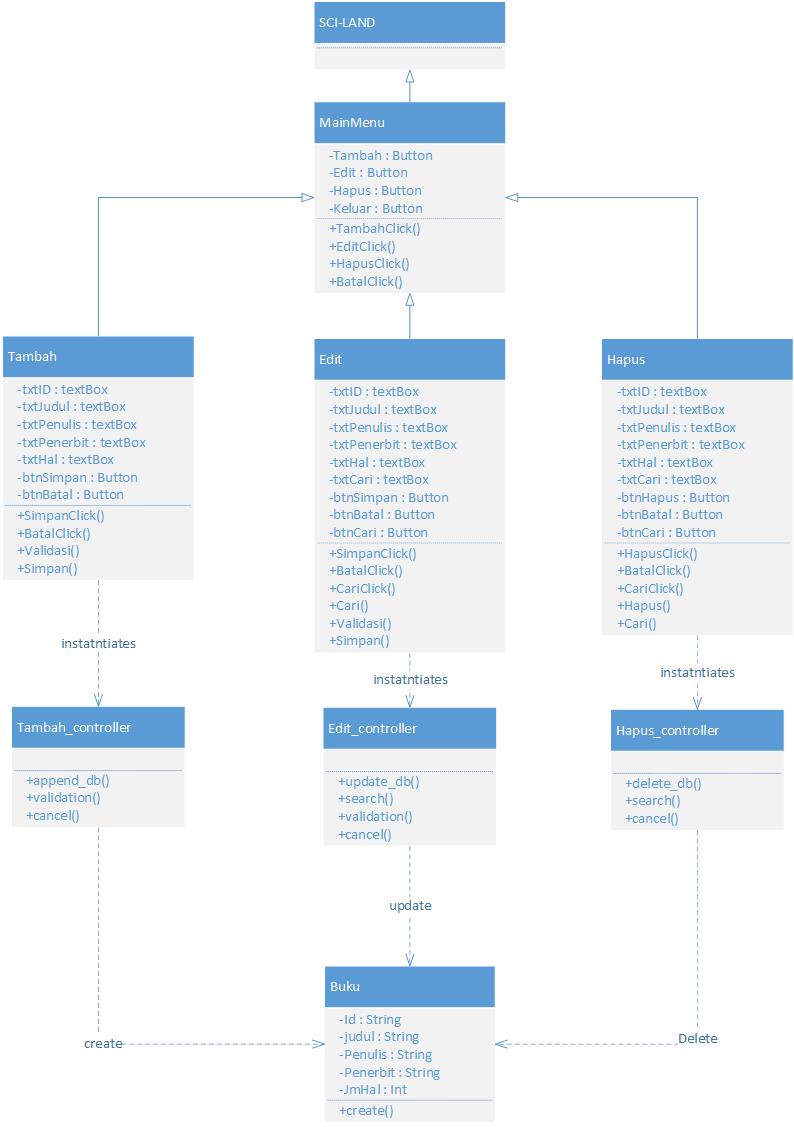
|  |  |  |
| --- | --- | --- |
| **No** | **Nama Object Baru** | **Jenis / Tipe Kelas** |
| 1. | Menu\_utama | Boundary |
| 2. | Menu\_tambah | Boundary |
| 3. | Page\_tambah | Boundary |
| 4. | Tombol\_batal | Boundary |
| 5. | Tombol\_tambah | Boundary |
| 6. | Tambah\_Controller | Controller |
| 7. | Validasi | Controller |
| 8. | Menu\_edit | Boundary |
| 9. | Page\_edit | Boundary |
| 10. | Tombol\_simpan | Boundary |
| 11. | Tombol\_cari | Boundary |
| 12. | Pencarian | Controller |
| 13. | Edit\_controller | Controller |
| 14. | Page\_hapus | Boundary |
| 15. | Tombol\_hapus | Boundary |
| 16. | Hapus\_controller | Controller |
| 17. | Buku | Entity |

*\*Tipe kelas seperti Boundary(Interface), Entity(Database), Controller*

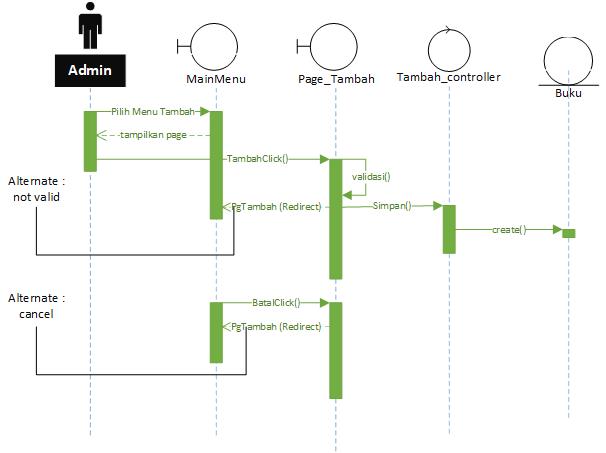
#### Robustness Diagram



#### Diagram Kelas



#### Sequence Diagram

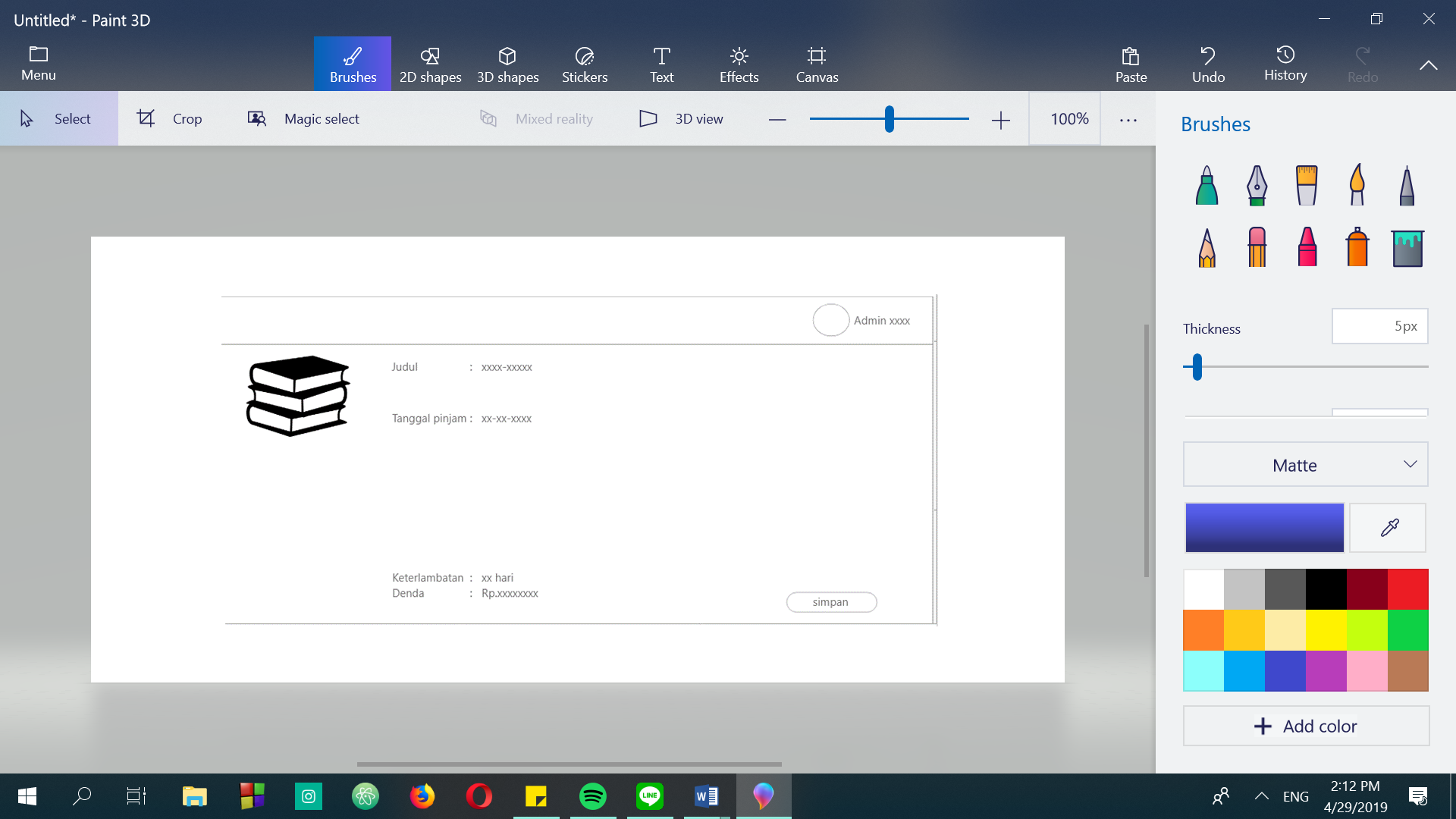


### Use Case #5 Pengembalian Buku

Skenario Use Case #5

* Primary Flow
* Admin memasuki menu pengembalian
* Admin mencari data peminjam
* Sistem menampilkan data buku-buku yang dipinjam
* Admin memilih buku yang akan dikembalikan
* Jika tidak terkena denda, admin menyimpan data pengembalian
* Peminjam akan mendapat point yang akan ditambahkan ke akun peminjam
* Alternate Flow
* Jika tekena denda, sistem menampilkan nominal denda dan peminjam harus membayar terlebih dahulu kepada admin agar kemudian pengembalian dapat disimpan

#### Perancangan Antarmuka Usecase #5



#### Tabel Identifikasi Antarmuka / Layar / Page

|  |  |  |
| --- | --- | --- |
| **ID. LAYAR** | **NAMA LAYAR** | **DESKRIPSI** |
| ***5A*** | *Page Pengembalian Buku* | *Halaman data pengembalian buku* |
| *5B* | *Page Laporan Pengembalian Buku* | *Halaman yang menampilkan detail pengembalian* |

Page Pengembalian Buku

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Id\_peminjaman | Text | (id peminjaman) | Diisi dengan id peminjaman yang ingin mengembalikan buku |
| Button1 | Button | cari | Jika diklik, akan menyari nama peminjam yang diinputkan. |
| Nama\_peminjam | Label | (nama peminjam) | Berisi nama peminjam yang diambil dari database |
| Email\_peminjam | Label | (email peminjam) | Berisi email peminjam yang diambil dari database |
| Point | Label | (point) | Berisi point yang diambil dari database |
| Judul\_buku | Label | (judul buku) | Berisi judul buku yang dipinjam diambil dari database |
| TglPinjam | Label | (tanggal dipinjam) | Berisi tanggal peminjaman buku |
| Button2 | Button | Kembalikan | Jika diklik akan menuju proses penghitungan denda dan point. |

Page Laporan Pengembalian Buku

|  |  |  |  |
| --- | --- | --- | --- |
| **Id\_Objek** | **JENIS** | **LABEL\*** | **Keterangan\*\*** |
| Judul\_buku | Label | (judul buku) | Berisi judul buku yang dipinjam diambil dari database |
| TglPinjam | Label | (tanggal dipinjam) | Berisi tanggal pinjam yang diambil dari database |
| Keterlambatan | Label | (jumlah hari) | Berisi jumlah hari keterlambatan pengembalian (jika ada) |
| Denda | Label | (denda) | Berisi denda yang diberikan jika terlambat mengembalikan buku |
| Button | Button | Simpan | Jika diklik terjadi proses penyimpanan data pengembalian yang telah ditampilkan |

#### Identifikasi Object Baru

*Identifikasi object yang terkait dengan use case tersebut.*

*Kelas pada tahap perancangan berbeda dengan kelas pada tahap analisis.*

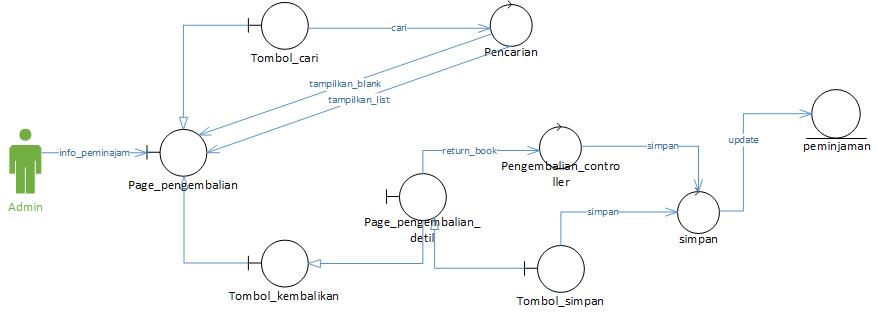
*Gunakan tabel di bawah:*

TABEL OBJECT PERANCANGAN

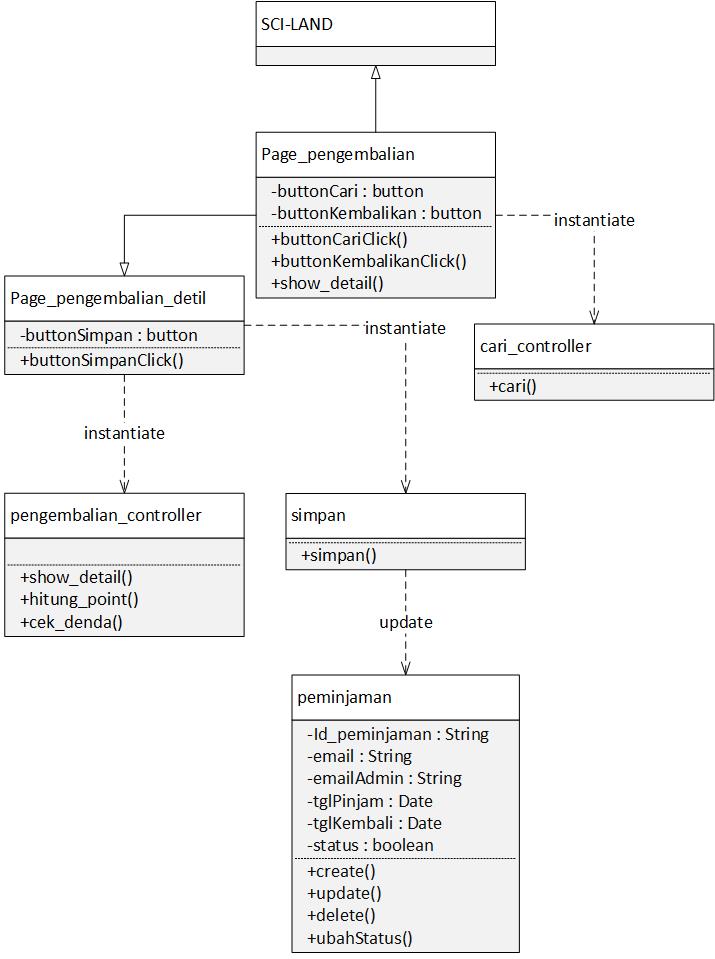
|  |  |  |
| --- | --- | --- |
| **No** | **Nama Object Baru** | **Jenis / Tipe Kelas** |
| *1.* | *Page\_pengembalian* | *Boundary* |
| *2.* | *Tombol\_cari* | *Boundary* |
| *3.* | *Tombol\_kembalikan* | *Boundary* |
| *4.* | *Page\_pengembalian\_detil* | *Boundary* |
| *5.* | *Pencarian* | *Controller* |
| *6.* | *Pengembalian\_controller* | *Controller* |
| *7.* | *Tombol\_simpan* | *Boundary* |
| *8.* | *simpan* | *Controller* |
| *9.* | *peminjaman* | *Entity* |

*\*Tipe kelas seperti Boundary(Interface), Entity(Database), Controller*

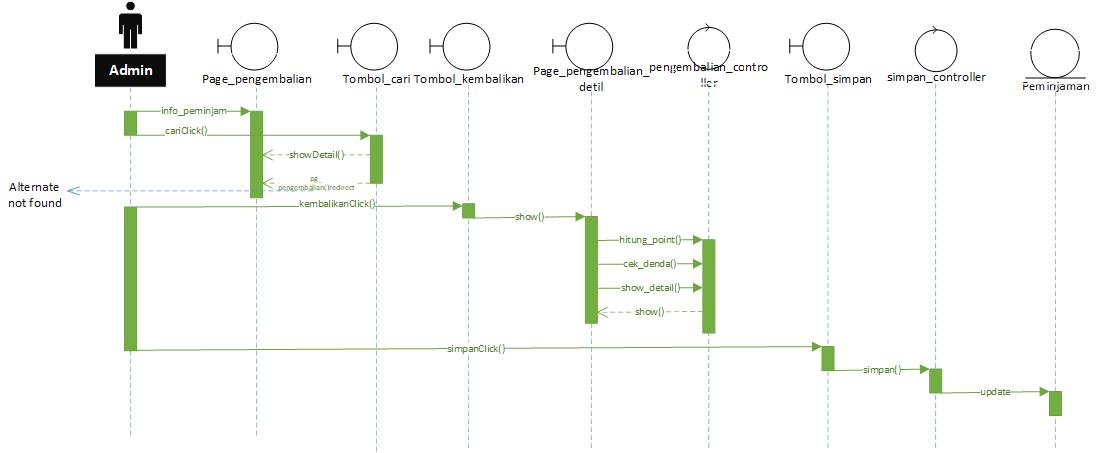
#### Robustness Diagram



#### Diagram Kelas



#### Sequence Diagram



# Perancangan Detil

#### Perancangan Detil Kelas

**TABEL KELAS :**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID Kelas** | **Nama Kelas Perancangan** | **Atribute (visibility)** | **Method / Operation** |
| 1 | Profil Peminjam | * txtNama (private) * txtEmail (private) * txtAlamat (private) * btnSimpan (private) * btnBatal (private) | * simpanClick() * batalClick() |
| 2 | Admin | * txtNamaAdmin, (private) * txtEmailAdmin (private) * txtAlamatAdmin (private) * btnSimpanAdmin (private) * btnBatalAdmin (private) | * simpanAdminClick() * batalAdminClick() |
| 3 | Peminjaman page | * txtSearch (private) * btnSearch (private) | * btnSearchClick() |
| 4 | Peminjaman | * Id\_peminjaman (private) * email (private) * emailAdmin (private) * tglPinjam, (private) * tglKembali (private) * status (private) | * create() * update() * delete() * ubahStatus() |
| 5 | Pengembalian Buku | * Id\_peminjaman (private) * buttonCari (private) * buttonKembalikan (private) | * buttonCariClick() * buttonKembalikanClick() * show\_detail() |
| 6 | Main Menu Admin | * Tambah (private) * Edit (private) * Hapus (private) * Keluar (private) | * TambahClick() * EditClick() * HapusClick() * BatalClick() |

#### Perancangan Kelas Persistensi

![A screenshot of a cell phone

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RESRXhpZgAATU0AKgAAAAgABAE7AAIAAAAYAAAISodpAAQAAAABAAAIYpydAAEAAAAwAAAQ2uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGFyaXEgbXVzeWFmZmEgcmFtYWRoYW5pAAAFkAMAAgAAABQAABCwkAQAAgAAABQAABDEkpEAAgAAAAMzOAAAkpIAAgAAAAMzOAAA6hwABwAACAwAAAikAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAxOTowNDoyOSAyMTozMzo1MgAyMDE5OjA0OjI5IDIxOjMzOjUyAAAAYQByAGkAcQAgAG0AdQBzAHkAYQBmAGYAYQAgAHIAYQBtAGEAZABoAGEAbgBpAAAA/+ELKmh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMTktMDQtMjlUMjE6MzM6NTIuMzc5PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPmFyaXEgbXVzeWFmZmEgcmFtYWRoYW5pPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMABwUFBgUEBwYFBggHBwgKEQsKCQkKFQ8QDBEYFRoZGBUYFxseJyEbHSUdFxgiLiIlKCkrLCsaIC8zLyoyJyorKv/bAEMBBwgICgkKFAsLFCocGBwqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKv/AABEIAiwDiAMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APpGiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAorD8b3E1p8P/ENxayyQTw6XcyRyxsVZGETEMCOQQec1T/4Q7Tf+fzXP/B/ff/HqdSdGjTU6zeraVkntbu13BXbsjqKK5f8A4Q7Tf+fzXP8Awf33/wAeo/4Q7Tf+fzXP/B/ff/Hq5/ruC/ml/wCAr/5MfLI6iiuX/wCEO03/AJ/Nc/8AB/ff/HqP+EO03/n81z/wf33/AMeo+u4L+aX/AICv/kw5ZHUUVy//AAh2m/8AP5rn/g/vv/j1H/CHab/z+a5/4P77/wCPUfXcF/NL/wABX/yYcsjqKK5f/hDtN/5/Nc/8H99/8eo/4Q7Tf+fzXP8Awf33/wAeo+u4L+aX/gK/+TDlkdRRXL/8Idpv/P5rn/g/vv8A49R/wh2m/wDP5rn/AIP77/49R9dwX80v/AV/8mHLI6iiuX/4Q7Tf+fzXP/B/ff8Ax6j/AIQ7Tf8An81z/wAH99/8eo+u4L+aX/gK/wDkw5ZHUUVy/wDwh2m/8/muf+D++/8Aj1H/AAh2m/8AP5rn/g/vv/j1H13BfzS/8BX/AMmHLI6iiuX/AOEO03/n81z/AMH99/8AHqP+EO03/n81z/wf33/x6j67gv5pf+Ar/wCTDlkdRRXL/wDCHab/AM/muf8Ag/vv/j1H/CHab/z+a5/4P77/AOPUfXcF/NL/AMBX/wAmHLI6iiuX/wCEO03/AJ/Nc/8AB/ff/HqP+EO03/n81z/wf33/AMeo+u4L+aX/AICv/kw5ZHUUVy//AAh2m/8AP5rn/g/vv/j1H/CHab/z+a5/4P77/wCPUfXcF/NL/wABX/yYcsjqKK5f/hDtN/5/Nc/8H99/8eo/4Q7Tf+fzXP8Awf33/wAeo+u4L+aX/gK/+TDlkdRRXL/8Idpv/P5rn/g/vv8A49R/wh2m/wDP5rn/AIP77/49R9dwX80v/AV/8mHLI6iiuX/4Q7Tf+fzXP/B/ff8Ax6j/AIQ7Tf8An81z/wAH99/8eo+u4L+aX/gK/wDkw5ZHUUVy/wDwh2m/8/muf+D++/8Aj1H/AAh2m/8AP5rn/g/vv/j1H13BfzS/8BX/AMmHLI6iiuX/AOEO03/n81z/AMH99/8AHqP+EO03/n81z/wf33/x6j67gv5pf+Ar/wCTDlkdRRXL/wDCHab/AM/muf8Ag/vv/j1H/CHab/z+a5/4P77/AOPUfXcF/NL/AMBX/wAmHLI6iiuX/wCEO03/AJ/Nc/8AB/ff/HqP+EO03/n81z/wf33/AMeo+u4L+aX/AICv/kw5ZHUUVy//AAh2m/8AP5rn/g/vv/j1V7HT00f4gafb2d3qTwXOl3kksV3qVxcqWSW1CsBK7AEB3GRj7xrajWw1efs6cpXs3rFJaJv+Z9uwmpLVnYUUUUwCiiigAooooAKz9Y1yx0KGCTUWn/0mbyIUt7aSd3faz4CRqzfdRjnGOK0K5zxR/wAhrwn/ANhd/wD0huq0pqLu5bJSf3Jvz7CY7/hONJ/59tb/APBBff8Axmj/AITjSf8An21v/wAEF9/8ZrXorzP7So/8+3/4Ev8A5EvkfcyP+E40n/n21v8A8EF9/wDGaP8AhONJ/wCfbW//AAQX3/xmteij+0qP/Pt/+BL/AORDkfcyP+E40n/n21v/AMEF9/8AGaP+E40n/n21v/wQX3/xmteij+0qP/Pt/wDgS/8AkQ5H3Mj/AITjSf8An21v/wAEF9/8Zo/4TjSf+fbW/wDwQX3/AMZrXoo/tKj/AM+3/wCBL/5EOR9zI/4TjSf+fbW//BBff/GaP+E40n/n21v/AMEF9/8AGadB4hs7jxJcaLGsouII95kKjy2ICllBzksokjJGOjjrzh2l+INO1XT9OuobhIm1GCOeC3mdVlIkQuo25PO1WPGfut6GuiWK5Y8zoyto/i6PVfZ8mLl8yP8A4TjSf+fbW/8AwQX3/wAZo/4TjSf+fbW//BBff/Gakm8S6FbzLDca1p8UrPsVHukVi25kwAT13I649VYdQabceIbO28SW2iyLKbi4TcHCjy0JDFVY5yGYRyEcfwHpxkWKv/y4ls3v0W/2Q5fMb/wnGk/8+2t/+CC+/wDjNH/CcaT/AM+2t/8Aggvv/jNM/wCEu0Q6s9hHqNtI8VvPcXEiToUtlhMYcSHPyH94Dz2DZxinSeLNDFtPLbarY3TwwST+VDeRbmWMHdjLADGCCSQB3Iqvby0/cS18/wD7ULeYv/CcaT/z7a3/AOCC+/8AjNH/AAnGk/8APtrf/ggvv/jNWH13SI9TGmyapZLfM2wWrXCCUttDY2ZznDA4x0IPer9YSx8IW5qUlfVe9/8Aaj5X3Mj/AITjSf8An21v/wAEF9/8Zo/4TjSf+fbW/wDwQX3/AMZrXoqP7So/8+3/AOBL/wCRDkfcyP8AhONJ/wCfbW//AAQX3/xmj/hONJ/59tb/APBBff8Axmteij+0qP8Az7f/AIEv/kQ5H3Mj/hONJ/59tb/8EF9/8Zo/4TjSf+fbW/8AwQX3/wAZrXoo/tKj/wA+3/4Ev/kQ5H3Mj/hONJ/59tb/APBBff8AxmrmkeI9O1u5uLexN0s9siPLFdWU1swVywVgJUUkEo4yM/dNW6xdN/5KPrX/AGCbD/0deV14bE0sRzpQaaV979Uv5V3E4tHSUUUVoIKKKKACuP8AEukabrPj7Q7fWNPtb+BdMv3WK6hWVQ3m2g3AMCM4JGfc12Fc3qX/ACUfRf8AsE3/AP6Os6uE5QUpRdmoy/8ASWIi/wCED8If9Cron/guh/8AiaP+ED8If9Cron/guh/+Jrfor5369i/+fsv/AAJ/5m3LHsYH/CB+EP8AoVdE/wDBdD/8TR/wgfhD/oVdE/8ABdD/APE1v0UfXsX/AM/Zf+BP/MOWPYwP+ED8If8AQq6J/wCC6H/4mj/hA/CH/Qq6J/4Lof8A4mt+ij69i/8An7L/AMCf+Ycsexgf8IH4Q/6FXRP/AAXQ/wDxNRXPgzwTZWslzeeG9At4IlLySy2MKqijqSSuAK6SsHxTpupazDZ2GnNbwxGcT3E1zF50eIyGWMxh1Lbm2nrjCnPXB3w+LxFSqo1K0ox6vme3X/geYnFJaIhHgzwQZo4R4b0DzZUaSNPsMO50BUFgNvIG5cn/AGh61L/wgfhD/oVdE/8ABdD/APE1gWnh/wAQ2s2kwyr5sWl2N5ZPPbyCJriJpLZoxHlyyMUjZck8FD8w3K1Q61aeMptJl03Tra/WeO51GZb5b+NRIksV19nQHzN/ytJCMEAKUUjgZHp8lWUkoYvvvO2zlrq+qS0319SNP5TdvvCXgTTLN7zUvD/h2zto8b57iygjRckAZYjAySB+NJYeFPAWq2i3WmaD4cvLdiQs1vZwSISOvIBFZ+q+GNWb7dZadc372csulzwzTXYmeOVLwvcOvmlsYjWNtuNuRgA8iq/iLwvrtpFAPDt5e3Szzy3GouHCzzSlY1jf93LbrhVQjAYDplW6gpvnSi8W0293J2typ6rpu1vurW3aHp9k6H/hA/CH/Qq6J/4Lof8A4mox4K8FNcvbr4a0EzxorvELCHcqsSFYjbkAlWAPfafSsnUNA8RXd1HIb7UGaO10yLfDd/Z1kb7Q4vHMavtDeUwPfttJKjEEWieKTb31rJPfrEZ7SO3kF/lxCmpTs53bs5+ymLJPLDAOSCKmKqOF/ret0vifW2u+qSeu2z7Bp/KbsngrwVDJEk3hrQY3mfZErWEIMjbS21Rt5O1WOB2BPapP+ED8If8AQq6J/wCC6H/4msaH7XpXiqx0f7fcNG2svNBBLetNK1l/Z75Z9zFyguMgb/4tv+zWXFpnjR/7aMVte2QudIvI4Ym1FpcXZ2+SY3edyOr4YLFjHI6YpU67tfFNJpNNyte7fnuktbX10uF1/Kdb/wAIH4Q/6FXRP/BdD/8AE0f8IH4Q/wChV0T/AMF0P/xNZljoOs2HiZJ4rnUJbJNTKgXF+0qmzNnkkqzHJ+0+o3AdMLXZV5+JxGIpOPJiHJNJ7vS/R679ykk+hgf8IH4Q/wChV0T/AMF0P/xNH/CB+EP+hV0T/wAF0P8A8TW/RXL9exf/AD9l/wCBP/Mrlj2MD/hA/CH/AEKuif8Aguh/+Jo/4QPwh/0Kuif+C6H/AOJrfoo+vYv/AJ+y/wDAn/mHLHsYH/CB+EP+hV0T/wAF0P8A8TR/wgfhD/oVdE/8F0P/AMTW/RR9exf/AD9l/wCBP/MOWPY4Xxr4K8LWvgHxBcWvhrR4Z4dMuXjljsIlZGETEMCFyCDzmvRK5bx5/wAk48Sf9gm6/wDRLV1Ne3ha1WthU6km/elu79ImcklLQKKKK0EFFFFABRRRQAUUUUAFFFFAHP8Aj/8A5Jr4m/7BF1/6Jatasnx//wAk18Tf9gi6/wDRLVW+x+L/APoOaJ/4JZv/AJKrHHU4zw9Pmmo+9Le/aHZMcXZs36KwPsfi/wD6Dmif+CWb/wCSqPsfi/8A6Dmif+CWb/5Krxvq9P8A5/R+6f8A8iaXfY36KwPsfi//AKDmif8Aglm/+SqPsfi//oOaJ/4JZv8A5Ko+r0/+f0fun/8AIhd9jforA+x+L/8AoOaJ/wCCWb/5Ko+x+L/+g5on/glm/wDkqj6vT/5/R+6f/wAiF32N+isD7H4v/wCg5on/AIJZv/kqj7H4v/6Dmif+CWb/AOSqPq9P/n9H7p//ACIXfY36KwPsfi//AKDmif8Aglm/+SqPsfi//oOaJ/4JZv8A5Ko+r0/+f0fun/8AIhd9jforA+x+L/8AoOaJ/wCCWb/5Ko+x+L/+g5on/glm/wDkqj6vT/5/R+6f/wAiF32N+isD7H4v/wCg5on/AIJZv/kqj7H4v/6Dmif+CWb/AOSqPq9P/n9H7p//ACIXfYw/FGs63B4rvbLSLq+Dw6bbz2lrbWKzRTTvJONsz7CURhGozlQME5B4L9J1LxXN4+uLbUEMWnLPMvltFJsMIz5TIwtwu4/KTmdurfKDwNUaZ4pW4e4XV9BE0iKjyjQ5dzKpJUE/askAsxA7bj61J9j8X/8AQc0T/wAEs3/yVXruvhfZezXs/hte0r3slf4PK+uuu5naV76nM6Vc+NFt9PuL281CZzb6VPPDJYRqGeeYx3MZxGCBGg34GCpOWO3ApsD+LE8LiW0ku7GTT/DFncw2UOnxhZ7zZMXh2mPI+5GpjTaRkY2556j7H4v/AOg5on/glm/+SqPsfi//AKDmif8Aglm/+Sq0eNott2patP4X06W5La6/eHK/P+vmYuo6nfW6+JDYreCRNZihWTTbZGkRTZ27FnHlSFhk4zsZh8o4UcUJNS8az+G7e4Q3tvewafqc8iJZK5uJoZkW2Rg0YPzpuOFVCwJIA4x0NloniPTbb7Pp2o+HbSHcW8qDQZEXJ5JwLrGTVj7H4v8A+g5on/glm/8AkqlHE4WHKo+zdmtWpapR5dVyPffrrb1Dlk+5zuqX/iaxW4sln1ieSO/aO3voLSMCSPyIXG/bbyfLveRQyoB8hDNkcmlXvjG70+PVb6a9glW806M6b9hRUaOWK1+0E5TfhWkmOQw2lGByBgdF9j8X/wDQc0T/AMEs3/yVR9j8X/8AQc0T/wAEs3/yVSWKw6go2p36vllrtf7Gl7dNr6WDld+v9fM36KwPsfi//oOaJ/4JZv8A5Ko+x+L/APoOaJ/4JZv/AJKrxvq9P/n9H7p//Iml32N+isD7H4v/AOg5on/glm/+SqPsfi//AKDmif8Aglm/+SqPq9P/AJ/R+6f/AMiF32N+isD7H4v/AOg5on/glm/+SqPsfi//AKDmif8Aglm/+SqPq9P/AJ/R+6f/AMiF32N+isD7H4v/AOg5on/glm/+SqPsfi//AKDmif8Aglm/+SqPq9P/AJ/R+6f/AMiF32N+isD7H4v/AOg5on/glm/+SqPsfi//AKDmif8Aglm/+SqPq9P/AJ/R+6f/AMiF32N+isD7H4v/AOg5on/glm/+SqPsfi//AKDmif8Aglm/+SqPq9P/AJ/R+6f/AMiF32N+isD7H4v/AOg5on/glm/+SqPsfi//AKDmif8Aglm/+SqPq9P/AJ/R+6f/AMiF32N+sSb/AJKVo/8A2CL/AP8AR1nUf2Pxf/0HNE/8Es3/AMlVTsYdYi+JWmf21fWN3nSL7yvslk9vt/fWmc7pX3dumMYPXPHo5bRhHEXVRPSWi5v5X3il+JE27bHa0UUV3EhRRRQAUUUUAFc54o/5DXhP/sLv/wCkN1XR1yvjaws9TvvC9nqVpBeW0mrtvguIxIjYsrkjKng4IB/CtaVve5tuWf8A6SxM6CiuP0zQ/hvrTSLo2l+FdQaMAuLS3tpSo99oOKtXXg/wNYxCW98O+HreNmCB5rGBAWPQZK9a+fqUcPTlyzlJPzgl/wC3m8eaTtFXOmorA/4QPwh/0Kuif+C6H/4mj/hA/CH/AEKuif8Aguh/+JrPkwn88v8AwFf/ACYve7G/RWB/wgfhD/oVdE/8F0P/AMTUUvgvwTBJDHN4b0CN538uFXsIQZG2ltqjbydqscDspPanyYT+eX/gK/8Akw946SiuVXwx8P2js5F0Tw0Uv8fZGFpb4ucruHlnHz5UE8Z45qaXwX4Jgkhjm8N6BG87+XCr2EIMjbS21Rt5O1WOB2UntR7PC/zy/wDAV/8AJheRFaeB4LO9tdSjv7o6nFctcTTNPK0UpfPmgQFyiAg4GBkYXrjmGy8EXGl6LpFnp2qxrPpJikhmntTIHkWBoGLAOCVKOcLuypAwSAAND/hA/CH/AEKuif8Aguh/+JqKDwX4JuozJbeG9AmRXeMtHYQsAysVZcheoYEEdiCK9B5g2netJ+sIvvprLbV6basjl8jPg+HxXS9dtrnU0nn1ixltWn+y7fKMk9zMXA3HPNyBjI/1YOeeLd54Hgvby51GS/ul1OS5W4hnWeVYoihHlgwBwjgAYORk5bpni1/wgfhD/oVdE/8ABdD/APE0f8IH4Q/6FXRP/BdD/wDE05Zi3Nz9tK77Qiu3aW2i0202Dk0tYxR8O7g2EljLrEJtl0W50a12WO1445tmHdt/7xl8v0UHOeDnNjW/h/HrEOpJHfLbfbrqWfIt8+WH082e37wzjO/t6e9X38EeDImQSeGNBQyNtQNp8I3HBOB8vJwCfwqObwf4Gt1ma48O+HolgQPKXsYFEanPzNleBweT6Gq/tSSlzqtK+v2I9Xd/a6tC5VbVfiS3PhRLiTUZPtKq99qtpqO7yclPI8j93nPOfIPPGN54OOehrk77w58PNMWI6lo3hmzE2TEbi1t49+MZxkc9R09RUk/hXwFamAXOg+HITcHbCJLOBfNPouRz17VxVKlCrFRnUk0tvcXZL+bskPmSb2+86iiuabwf4HXfu8O+Hx5cixPmxg+V227VPy8E71wOp3D1FKvgzwS109svhvQDPGod4hYQ7lU5wSNuQDg8+1YcmE/nl/4Cv/kyuZnSUVx9tofw3vI5pLPS/CtwkC75Wit7ZhGvqxA4H1q1aeD/AANf263Fj4d8PXMLfdkhsYHU/iFxRyYT+eX/AICv/kxKd9rfedNRXJr4b+HrXUdqujeGTcSgmOEWtvvfGQcDGT0P5UReHfh5O0wg0fwxIYDtmCWtufLOcYbA4545o5cJ/PL/AMBX/wAmHP6fedZWLpv/ACUfWv8AsE2H/o68qL/hA/CH/Qq6J/4Lof8A4moPDWkabo3j7XLfR9PtbCBtMsHaK1hWJS3m3Y3EKAM4AGfYV6eXxoJ1PZybfL1il9qP95/kKd9LnYUUUV2EhRRRQAVx/iWynvvH2hxWup3WmuNMv2MtqsTMw820+U+YjjHOemeBz1rsK4D4j3E1rczXFrK8M8PhbWHjljYqyMDakMCOQQec10YaMp1OSO7TWqutU+jFLY1v+Ed1P/octb/782X/AMj0f8I7qf8A0OWt/wDfmy/+R6Z4W0nVNMmvH1J9kMwjENr/AGlPf+WRu3P5syhvmyo24wNme5rTv9OkvbuymjvZ7cWsnmNHE5Czf7LgHkdePXHuD8/XxE6VRwjyyXfkh+ia020bR0U4Rk/edvvM/wD4R3U/+hy1v/vzZf8AyPR/wjup/wDQ5a3/AN+bL/5HrR1u+m0vw/qN/a2zXc9rayzR269ZWVCwQe5Ix+NcTpPjXxBrWiaQ9sNLiutR1aSxW4IWeIxrayzb9kNw4Vg0e3aZCcAnjIxEcTWkr2j/AOAQ/wDkSOVHS/8ACO6n/wBDlrf/AH5sv/kej/hHdT/6HLW/+/Nl/wDI9cxp3xD1BvDN7qes/YbX/iUWGqW8kULMsQuy6qkgZxu2tHy+5BhudoUms2/8aalq3gie+z9kun8Oa9J5ttK8ZSW2ljiV1CyMoJ5bOXKnhXwW3V7ave1o/wDgEP8A5ELI7n/hHdT/AOhy1v8A782X/wAj0f8ACO6n/wBDlrf/AH5sv/ket+isfrlTtH/wCH/yI+VGB/wjup/9Dlrf/fmy/wDkej/hHdT/AOhy1v8A782X/wAj1v1ha9qbaFdw6jKZHtJInheIE48wAvGQOxOGX3LL6UfXKnaP/gEP/kSJ8sFdjf8AhHdT/wChy1v/AL82X/yPR/wjup/9Dlrf/fmy/wDkesbULrW7aS1hs476+k0yJZ717eVNskzEMyMGcErs34UBsb044FRNcXl14mub62uJBYDU7ZFuhqE2yONoIH2fZ8eWVctjcTkGTOOM0fXanaP/AIBD/wCRMHWS0s/x/rQ3v+Ed1P8A6HLW/wDvzZf/ACPR/wAI7qf/AEOWt/8Afmy/+R6raZdRSeIClzf3I1T7TcK9mkpZBAGby2aPOEG0IQwAJJxk5NZGka7q1tZ6JdaoitGdBkljEd28r3cmbYKXDIoDkvgcty559T67U7R/8Ah/8iN1oLf+tv8AM6D/AIR3U/8Aoctb/wC/Nl/8j0f8I7qf/Q5a3/35sv8A5HrnHu9Yg0C40zUFvob2S5s3ha4uxG8qvPEkqiSJnKruJHHKrIABxTze21hp0kHiDVZ7K4+1yxwWX9rSLtOxMBrhsMy/xgk4xJjBIApfXanaP/gEP/kSfbx6q3q2v6/PyOg/4R3U/wDoctb/AO/Nl/8AI9H/AAjup/8AQ5a3/wB+bL/5HouJ5hpOhW/27zxeSxRTX0LY8xREzllI6BygGR/f47Vzcmq2MqXUmjeI5Z4EEaXZbUC8jKbiMSzKucxKqFxlQoO7IGACX9dqdo/+AQ/+RKnVjH/hzpP+Ed1P/octb/782X/yPR/wjup/9Dlrf/fmy/8Akes2yvSlu1zpt9Ld2kWrxW9q5uWmE8MgiVxuJO8KzyEHJI2dcZrsaPrlTtH/AMAh/wDImtOSn/w5gf8ACO6n/wBDlrf/AH5sv/kej/hHdT/6HLW/+/Nl/wDI9b9FH1yp2j/4BD/5E05UYH/CO6n/ANDlrf8A35sv/kej/hHdT/6HLW/+/Nl/8j1v0UfXKnaP/gEP/kQ5UcL410HUYfAPiCWTxZrE6JplyzRSRWYWQCJvlO2AHB6cEH0Ir0SuW8ef8k48Sf8AYJuv/RLV1Ne3hasquFTlb4pbJLpHskZyVpBRRRWggooooAKKKKACiiigAooooA5/x/8A8k18Tf8AYIuv/RLVzn27xLd+ONSh0+S+azs9SghIK2otEhMEEkgbP78v+8cgjjJXsDXR+P8A/kmvib/sEXX/AKJatKOCGGSV4YkjeZ98rKoBkbaF3Me52qoyewA7UYnERoYeLcFK/OldXt/D19bJ/eEVd/15hcLK9rKtu2yUoQjH+FscHoe/sah0yG8t9Nhi1K5F3dIMSThAvmHPXAAA47fz61aor5U6eZ8vL/w/3nI3Xi2ey1DULWC1+1TjWk06BLi5WKNc2Mdyx3BMqMb+G3EsfvAEBdTwZqFzq3gPQNR1CXzbu8022nnk2hd7vErMcAADJJ4HFXbnR9MvIp4rvTrSeO4lWaZJYFYSyKFCuwI5YBFAJ5AUegrOn8NXPmBdM8R6npNnGixw2NlBZiGBVUKFQPAzAcdMnHbAwK0vFq2xBjQfEXD6q97pflW9jBqM8bw3PmvKtlOYpNybRsLfKVGTnJ9MlbXx3qV7penSQeHXjvr/AFF7COC7kmtozi2knEgaSEOVxHtz5Y53Yzjnf0fwxpWifa2s7SMzXs801xO8a+ZKZZXlKswAJUGRgAegx9asWehaRp0EMOn6XZWsVvKZoY4LdEWOQqVLqAOGKswJHOCR3puVPog1ORtPiDNqmlR3DadJYGU6RcweXco5kt725EalsoQp+VwygHjGGBOVZe/EK6Gm660mltaLa2Oq3FncQXau8v2GUwuSGjIjYkoVyHHJyDjns00XS440jj02zRI0hjRVgUBVhbdCoGOAjElR/CeRiqWseFdM1nSprCSIWsU6yxyvaoiO8crh503bSQJCMvjBJ5znmmpU77BqUbnxmlv4+s/Dgt45luXMJnjkctDKIWm2uvl7B8i5/wBZu+YHbjJGPpfxKvr2PT57rw9HBb3cOnXDvHf+Y0Ud9IYoTgxjcRICGGRhcHJPyjsjomlHVhqh0yzOoDGLw26+cMKVHz4z91mHXoSO9Kmi6XHGkcem2aJGkMaKsCgKsLboVAxwEYkqP4TyMUuaFtg1OT1D4kpY6jr1slhHcppWmXd/FJDO+JjbbRJGxMQVW3MF+Vnxg5xwD0Ph7WrjVxqMN/YrY3mnXf2WeJJ/NQkxRyqVbC5BSVc8DByOcZM3/COaH591N/Y2n+beI8dzJ9lTdOr43q5x8wbauQeuBnpV2K3ggkmkhhjjed/MmZFAMjbQu5j3O1VGT2UDtSk4W0QEtFFFZjCiiigAooooAKyNV1X+xr+Ke8kxp8kEgPyj5JEBcY7ncgf/AL4GOta9Q3Nrb3kYju4Ip0DBgsqBgCOhwe4pETTa93c5HUvEep6a1gkxnaWCFbrUFhs2mXDMP3RZFITavmHJwTsXJ5NEur6s/iyeO2uLs2i6jBbxnbb/AGXy2hikZWOPN3kM+0jjJUe1dgsEStIyxIGlOZCFGXOMc+vAA/Co00+yjhMMdpAkTMrFFiUKSoUKcY6gIoHptHoKLGDo1H9ox9Pvbq41JZ59S8pZLu4tlsGjXDCNnAZTjcGwoY5JGG6DisnR/Fl89tpVxqtvcwwnRJLyeSQREXTr5GGQIxI++3BC53jjjjrk0+zS+e9S0gW7kXY9wIgJGX0LYyRxSf2bY+XCn2O32QII4V8pcRqCpCrxwMohwP7o9BQN06nSX9aHGJ4k1V/Dt1HJJdpqSXNptYWYgkKTTRqyosyhSQS6BiMfdJOc1ctLzU7jS5GudWvLR0upIoYjBbteSkKuEYAFM7t54HKlTkAEnqprO2uJFee3ildMbWdAxXDBhgn/AGlU/VQe1Vr3QtJ1F92oaXZXbbt2Z7dHOcAZ5HXCgfgPSixPsam/Nf5tFW6u7+Cw0i2mdIr+9lSCaWMZVGEbSSFQfaNgM9yKyLq81e2SV7fWGu4GaKCW58iNUgleeOMmLA5Cqzk7i2CFGT8wrpLjS7aexhtUT7PHbsjQeQAvklPu7RjAAxjGMY46VBD4a0K2837Pounxechjl8u1RfMUnJU4HI4HB9KCp05vZ/izLi1K/szMJrx7uOz1WKyZ5EQNMkqxAE7VABV5ewAwpyM9OnrPXRLCJbWO2t0tre1kMsdvAipHvwcEqB2ySPfnqBjQoNKcZR3CiiimahRRRQAUUUUAFYk3/JStH/7BF/8A+jrOtusSb/kpWj/9gi//APR1nXp5V/vS9J/+kSIqfCdLRRRXrmYUUUUAFFFFABXOeKP+Q14T/wCwu/8A6Q3VdHXOeKP+Q14T/wCwu/8A6Q3VaQ2n/hn/AOksTMzwT4Un0bSNHn1a8u59QtdLjs/JmMWy1BVC8a+Wo3DdGoyxY/L15OekvbC21GEQ3sQljDBwrE8MOh+o6j0OD2qxRXzOJxNTE1XVqbvtol10R0QvTs4u1grzHRdB8bjw3eW2s31817NfWBYpN5eEW5Q3Mkcn2hztaPPy4iGFwIxuIr06s228R6HeafPf2es6fcWduMzXMV0jRxcA/MwOBwQeexrKMmlohHJ6To3ifSLiaZWvr1WtNTQW93qRdWZLlfsIDFiVLQ7suOe7ncBUfhbTPF9uNPGqi8jii1x5nSa83sLM2DAKxM0hYC4b7pduQCAFAx18niXQore1nl1rTkhvButpGu0CzjKrlDnDcso47sPUUr+I9Ej0ltUfWNPXT1co12bpBEGBwQXzjOeMZ61fPJrbcDzyDwR4qvdA0SHzbLS5tD0a0treO6g+0MblFikd1ZJVCYeJEyQ2QrcYPOq2k+Ib74iaXql7Y3i2kN4tyM3yGG1iNhJGYzEH5kE7tl1U5Djkgcd9HIksayROro4DKynIYHoQadSdWQWPMdI8MeLrO30yaa81Z7qC20h5lm1Qyq0/mlb8MC5DAQ7eOmeVy2TU2raB4vu7CQ21zqMdzbw63NbeTqOzfcNdq9irfPhl8sEBW+VV+VsZxXpFFHtXe9gsFFFFZDKGt2ct7pMqWuPtUeJrck4HmoQy59iQAfYmsObSNW1C0CmOK1mvbw3V0bhRMkaR4EURVXG7IVCcHHDevPR3l7HYrC0wbZLMsO5RwpY4XPsTgfUiql5rttZx3rGKaU2bRxssSgmSR8bY1yeW+ZeuB8w564Rz1IwbvJ/1/Vznk8Pa6xsLdb17RrCzurVL2FYysoZoTECj7yFwpB75TryM2Rpl3aQxpBo32mGbTbeyFrLMhS2MZfO8k/MuHHKgk7OlaVx4kijFj9isbrUDfW73UYtzGMRrsyTvdf8AnovAyetDeJbYwW81rbXV2k1vHdN5CAmKJ87XZSQTnB4UE8HijQy5KSej/q3+X/BMq98P6nPqOoXMVxcLFLrFncJaqYfLljj+zb3JK7wR5b8BhnYODnl1lo+tQa7HrUzW7NcTv59qsWJUicKoBk8wq2wIhwFHRsdedqXXbaH7VuSU/Zb2GyfAHLy+VtI56fvlz34PB4y6HWrWfXJ9KQSefCm4uVGxjhSyg56gOhPH8Q98BXs6XNe/Xv1u/wDgnL6XoOqaRpljLeWc2tTW+lRwx2cjwKLeQGMmMHABGVUhiWI8vqSRWrBa37+GNYMNrcWWqXglcecYwWlMYVWXY7AAYUDJz8uT1yXWXi6K9gikGlajEbi1F1bIyRs08ZKDKhHbH+sT723AOegONKx1eK9trmWSKWza0cx3EdxtDREKG5KkqRtYHIJ60CpwpbRk/wCv6/y0MGPF7cWUNjoEw0nfBMLmEwje6bdu8Fw6iPaAeCx246DBg0+zmsbK2/trTnt7TTdIksrhneNheFjGMqFYk52NwwBzJjFbS+JYy0DPpuoR28zxoLmSJVRWkICAjduOdy8gEDODgggVYfG+nzwahPHBMYLFWZ5RNAd5DbQAokLKW7bgo9xSJap3u5a/15bGvo0d1DoVhFqDbrtLaNZ2Jzlwo3H881S03/ko+tf9gmw/9HXlOsPEdvf21tcfZ5YYbqYwxyGWGRS2Mj5o3YYJyBz1GOMjLdN/5KPrX/YJsP8A0deV7GV/FU/w/wDt0Te8XFcv9aHSUUUV6gBRRRQAVzepf8lH0X/sE3//AKOs66Sub1L/AJKPov8A2Cb/AP8AR1nT+zP/AAy/9JYG1RRRXyhuFFZPiuDULrwbrVvohkXUpbCdLQxSeWwmMbBMNkbTuxg5GPWuW1HSPEtromqabp6X19FJqyfZJZNSfzorUwRsz7xNG7AT+YNpdTtJxkBQbjFPqI7+ivNv7A8X3ttp819c6jFdx6do0Uwg1Hy1MwncX5Kq+0t5Tdec8bclRiLxDpfjgeC4NO0aK8nv4Zr8w3f9okSoqyv9k3nzk8wNHtyXL4IG5DlsV7NXtzILnp1FFFZDCmCWMzGESKZVUMU3fMAcgHHpwfyp9YuvW+orLBf6JCst4iSQFGYKCrrkMc9drqh9cbsdaRE5OKukaf260zEPtUP75zHF+8H7xxnKj1IweB6GoW1rS01L+zm1KzW+yB9lM6+bkjI+TOenNc5qHhjU7iSKPTp7e2h023SK0NxCZWkkBVzICHG0kogJIJOG4weV/sPU7nU7m/n8+OCXUre6bTt8W1wsMI37sbgyyJ03AER9OckMHVq/y/11/r8Dp11Cze/axS7ga7Rd7W4lBkVfUrnOKdFeW0/k+TcRSefH5sOxwfMTj5l9R8y8jj5h61i6daXdtqS282nLJHHd3FyL+R1IAkZyqoM7twDhTkAYXqeKx9M0DXtLs9KeOae4uIdFe08uYw7LSZjbgAbQpZRsYnJbhOuTyDdWa+z/AFodbJqunxWMl7Lf2yWsbFHnaZQiMG2kFs4B3cY9eKiOv6OLFLw6tYi1kbYk5uU2M3oGzgn2rmB4X1ey06TTIZo5YZZ7OZJ7WIQmBopog7bZHfLbEDZ5BKnIJPNj7FqmlRzrFpk+q3dxcyF9RBt94jZEG4KxQZwqpgYGU3EHgEJ9rV6x/XX5f15nS3yWc9iftzJ9nyr72faFIIKsGyMYIBBzTE1nS5PtPl6laP8AZATcbZ1PkgdS/Py9O9Zd9AllpOhKIHt7Cznh8+GVgTEgjZUDEEg7ZDGSckfLnOBms19PutTjnF14du7ERQeRbwwz28a+T5qMyBlcncwQHBCgAYBGdxCpVJJ6LX5m1LrXhyeGDUptW09oIJikVwbtPLWUryM7tu7aT7gE+tadveW14u60uIp12q2YnDDDDKnjsQcj1Fcq2k3jiGW5sdWmgjlkNvbpqQW4t1ZIx87+ZlvmEh4kOAwGD/Doacl0NftFuJFluLfSxFqMqD5XlLIU/lMcdg49RQKFSd9V/X9fgdBRRRTOoKKKKAMDx5/yTjxJ/wBgm6/9EtXU1y3jz/knHiT/ALBN1/6Jaupr6HA/7ov8UvyiZS+IKKKK6SQooooAKKKKACiiigAooooA5/x//wAk18Tf9gi6/wDRLVrVk+P/APkmvib/ALBF1/6JatauPM/93pf4p/lAqG7CiiivBNTzC+vdY0DXdcD6rq0UN9r8OyQ2SSFbc2W7/Rx5eJP3kexgNxVELHB3O2dNZax4q8Mx3V1a/bJ9V0fwy0ss9kZYZZPtskkxaNdoZVD7nUEAKewOa9QuItJ1+K70+8gtdQit5RFcW88QkVX2LIAVYYztdT+IplxrulabcPZTziGSAWoMYibCi4lMMI4GPmdSvtjJwOa6FU7LXQVjmtP8M3PhmbQra2S2njm1uS4uFs9PEVvaIbGZR5SEv5K71TJDZLSMM4cg4tpqfieHw7ZDxPNLcyXB8P3Ae9sI4zHPNeKtxCBsC5QIrdN6Fs5Hy49Kt763u57iK3k8xrd9kpCnarYzt3dCR3A6d6WeytbqaCW5toZpLZ/MgeSMM0TYI3KT0OCRkdjUe0195BY861DxB4wOseKE0201RLeDSr97HzrMNtuotgh8rEIDB9zMAXk3Y6KVIrUsZPFdr4tSK6vby905dVazYS2Uaq0BsfPE+9EGMTfugfu9jlua699Qto9Ug055cXdxDJPFHtPzJGyK5zjAwZU46nPHQ4s0OatsAUVS0zV7PWLWC5055JYLi2iuopTC6q8cgJQgsAM4GSvUZGQMjN2srNbjCiiigAooooAKKKKACiiigArkvF1pbz61p732l3OoRLZ3SRi2gZ2SZng2EOB+7bCthyRjB5rraztT17TtGkhTUZniMys6lYXcKqlQzMVBCqC65LYHNIyrRjKDUnZHMX9j4kvBYFbeG4udJtYmaWWdovMusKzsgCEOMKV6qP3jD6acuj2F94z0zVW0iIl7KaV55bQB1lDW/l7iRkOAGxnkYbHetq51Wys5rSK4uFR7x9kAwTvP1HQcjk8ZIHUioJtfsbfWE0uQXf2qT7irZTMrD5cneE24G9cnOBnnFBj7Omr80uq3tv0OX8OWKQeJ5pJ7G3juDf3jiR9BmExVpZSp+1k7MFSMHHIIXrXdVm2uv2N7fNa2wu3dZHiMn2KYRbkJDDzCmzgqR16jFaVCNKEYxjaLuFFFFM3CiiigAooooAKKKKACiiigAooooAKxJv8AkpWj/wDYIv8A/wBHWdbdYk3/ACUrR/8AsEX/AP6Os69PKv8Ael6T/wDSJEVPhOlooor1zMKKKKACiiigArnPFH/Ia8J/9hd//SG6ro65zxR/yGvCf/YXf/0huq0htP8Awz/9JYmbNFFFfInQFcRZfD6fS9Dey0vWvstw2kafpguUtcc2zSFpCA4P7wSFSAwIA4bOCO3rjJviFb3K3sOlw4u7DUbC1nSZ45FMdxdrDuBikbBx5hAYgggErgjOkOb7IiqPhjnw8dMl1YyMdO1ayE7wFyDfTLJ5nzOSSm3HJJbOcitG/wDBdzNHqSaZrDacuoaml9IsULKNgt44TFlHVhkxh9ylcHAwRnLr74haVp2pazZXMNx52kafNqEojeFzLFEFL7VWQsp+ZQA4TOeM4OJLHxxa3muJpUumalZzPctab7iOPYswh88Rkq7ctF844xjgkN8tXerv/XcNDU8O6T/YPhfS9H8/7R/Z9nDa+ds2+Z5aBd2MnGcZxk1pVwt/8TIUhvE0jSbm+vLHULO0ngSe3bCXE/lK4YS4GSrAKSGDFSwVSWHdVnKMlrIAoooqBhRRRQBV1KxXUtMuLN2KCZCocdUPZh7g4I+lZR8LrPa28N/eSyhLiS6naAvA00zE7SGRtyhQSAMnovPHOjq17Jp1ml0oUwxyp9o3A/LGThmHptyGPsDWTqvidrGzvZxLZwRrdJZWst022My/xsxyPlXnjg/u255FI56jpJtzI28C6fP5MN9tvLK3juI4IJ08xoxK0bZDsSdylGweuH9ubkmh3u6OS21NYJnto7a6lW25kRCxBQbsRt8784Yc9OKyL7xnKbLSbqxnt4ILyznuJpPsUt4EaNo1KjymGAC7Zc5HA9a0v7W1a4KRwRWlrcQ2MN5dRXIJUmTeDGGBG3Hlt8xDduKWhlF0LtRXbb0/y/4Al14OsbvUbnUJEtzezX9vdx3LWymSJYvK/dhuuD5R54xvPB7utvCcNrdQXyXdwb9J2nllaWQxyF8+YBEX2rkHAwOMDrjmveeLHtdRvbLyXMsOp2tpEwtZWj8uXyNxaQDYG/evjJHReDnl9l4tgu/GM+kC4s2jBeKJElBm8yMAvuXPAOWA4/5Zt6inoF8Pzed/xu/1Gaf4N/sTT449Aubawu/sSW01yLJW811xiUruHzffzknO4Zzjm9Hoc7+Gb3Sb25gdrqOWPzreBo8B1wSQzuWbJJJzzWL4c8S63rsMYj+yPLLYpcsXsZ7dLdmK4GXY+aCC5BXAOzqM5HQ6HeXd7azNemGTZMUiuIEKJOgA+cKSSBksOpztyDgijQdL2MkuRaP7v6/rcpx6drV3qFrfXd3aRRRhCbGS1MnlsBhyrrIASecMVOARx1y1fDVwUQTXtszW0Pk2m2xVVRd6P86ZKscxL90JjnGDgjoaKDb2MOv5s5+TRbookUjpNJdahFe3k8aeWi+VsKhULEjPlIMZPVjnoKm03/ko+tf9gmw/9HXlbVYum/8AJR9a/wCwTYf+jryvXyv4qn+H/wBuiDgo7HSUUUV6ggooooAK5vUv+Sj6L/2Cb/8A9HWddJXN6l/yUfRf+wTf/wDo6zp/Zn/hl/6SwNqiiivlDcR3WNGd2CqoyWJwAPWslfFGkznTDp93FqEWp3bWkM9nKksYkWKSU7mB6bYmHGTkjjuL+oW813pl1b2t01pPNC8cdwihmhYggOAeCQecH0rlNC8AzaTNbTXWsG8mi1g6o7GJ/nJsTa7MvI7Ac78knH3cY5q4qNndiOhTxHoclvczx6zp7Q2sohuJBdIVhkJChGOcKxJAweckCnWWv6PqW/8As7VrG78uJZn8i5R9qN0c4PCnBwehxXJWHw3u4vtr6r4gfUZryXTpHklt25+yXTT4w0jAb920hdqg5IXnFX7fwM1nO9xZan9nuTDqkazx2w3I15crOr8nny9uAD97rx0qnGn0YamhJ438NJLpSJrdhN/a1y1rZtDco6ySKpJAIPqAv+86DqwreriNI8AXelm3lbW1uLmLWhqrySW8jBwbT7K8fzSswypZgxY7SQMEDB7epmor4QCq5vYxqYsWDLK0JmQkfKwBAbHuMrn/AHhVisrXdGbWLeNYLtrOaMsBMqbjsdCrL1HY5B7FQecVmTNySvEjbxPYqunMUm26g37ptowqbgqyNzwpLIAevzrx1wkviWKHVJbRrC8MUN1FaSXY8vyllkVCoxv3/wDLRBnbjn2zUV94RstSnme7luFUwLbwJbzyQrCijgYVgH+bnkdgMccxp4Rh/tJ9Ume3k1RrmKdbv7KAyhYkjZOudrBWPXgv7ZJqYP2/9f1/XdGjBrUdxqP2aK1uTEXeJbsKpiLpkMvB3AggjJAGRgGksddtb8aaYklUajZNexbwBtQeXkNzwf3q9Mjg8+rLPSLmzvy0d/iwEss4tliwxeRizbnzyu5mIAA5xycVk2vgKzsbO1isHgtZU05rC5ngtQj3IYxbnJBzuxG2M5wXznjk1G3WWy/rT/gmgniuzm0STUre3upVWeOBYQqiR2kZFjI3MBhhIjAkjg846UqeJfNifytI1KS4ilaKa3VYy0RCq3Lb9nR1IAYk54HBxVm8E2bRyW9vNILSc25nt7p3uRJ5MquBmRjgFVKEdMEemCsvhi5t7M2OiXtrY2BmeRrVrIupVgMx5V0O3duP0IXoOTUm9fqvut+v9eRqtrFr/ZVrfx75YrsR+Qqr80m/G0AHHY556AEnpVCXxZbW0c73tjfWojt2uI/PRFM6KVU7Ru+U5dRh9p+Ye9WNQsbp7fTJowk1zYTrKyRr5ayfI0b7QScfK7EAnqAM96pw6BqrfaTqGqWV1JNtKynTiGUq4ZAQ0jLsGCMAKec7g3NGpUnVvZDJfHFjDpdvfS20qpcytHEv2q1+YAZLb/O2Yzx97Oe1bNrqSXNz9neGW3n8lJvLl2nKt6FSQcHg4PXHYgnNTQr6KY3cN/ai+lkZ5pHsd0Z3JGhCLv3JxEv8ZBOSQeMSafpDWep2gQMtppun/Y4GdgWl3FMk49BEg9yW/ECLqp+9+n9f1Y2qKKKZ0hRRRQBgePP+SceJP+wTdf8Aolq6muW8ef8AJOPEn/YJuv8A0S1dTX0OB/3Rf4pflEyl8QUUUV0khRRRQAUUUUAFFFFABRRRQBz/AI//AOSa+Jv+wRdf+iWrWrJ8f/8AJNfE3/YIuv8A0S1a1ceZ/wC70v8AFP8AKBUN2FFFFeCanl3iXwlJpN5qmo22g2d7a3+tw38kNvA7tOotWjZZkjjLELL+9Urvy75IX5nqbTfAerTeFdPt5pUs5f7J0C2kXzCJIXs7hppuQCAdrYXr8w5wOa6DVviLoulpOY0v71ra+hsZvsun3EiJI8ioRvWMqxXdyoJOcL94gGbX/HOlaBZ6s8yXctxpdo929utnMDKi4yUYptYAugZlJCbgWIHNdPNUslYnQxvEXgXU9R8Lx6Hp9zAbS0vVnt0mdQZotrgxSl4pVO1nDByjk7RnDDeWah8OZL+6hmnNvctBaaTbRzXUhklAt7iR7nLBBkyRSFMgDdlgQoNdMfGGhpEZJrxoFWbyH8+CSIxv9m+1FWDKCuIfmOcY6H5uKu6RrFprmnJfad9oNvJ9xp7aSAsMZyFkVSQc8HGDUc9RIeh5/qnw01K6sLCztRppjs49TggaWWQGyS4ukkt3iwh+aKNAAOACAAccjYuvCmsXPxUsvEW/T0sbVyAUAW4kiNu6FHPl5bErBh+824/hyoJ7ail7WX5/iFjk/Bnha98O/ZvtstvJ5WgabpjeSzHMtv5+88gfKfNXB68HIHfrKKKzlJyd2MKKKKQBRRRQAUUUUAFFFFABWHrWn6pPq1peaQLMlLWe2kN07AJ5jREMFCnfjyz8pK5yOa3KzdS1Ke2uYLTT7VLq7mjklWOSYxLsQqGO7a3OXUAY79RSM6iTj7xiS+C5poIrddVuLaKys4rS08oRsSE2tvfchIO9VPykfcHPptCxupdb0/UJzCpgspoZlRif3kjQt8uRyv7tuTg9OPTN1bxrZ6MLxdQENtPBpyXsNvcXKxvOzeZ+6A9QYwMjP3hx637jXVg8Qw6b5BaNgqyXG7iORgxRMY7hDznjK/3qNDCPsU7J9vz0/IzdG0G/07WZJZ4kaFru5nEqavcEbZJHdf8ARivl5+YA89ct1rqK5jTfGH2/X/7O8mz/AOPm4t9sN75k8flM43yRbBsVtnB3H7y+taz6q32u8htrSS5FoEV/LYbmkbBCAHA4UgkkgAMPfAVSlTUfceho0Vj6dr32230iaS38mPVbVZojv3bXKb/LPA/hyQe+08DjOxTN4yUldBRRRQUFFFFABRRRQAUUUUAFFFFABWJN/wAlK0f/ALBF/wD+jrOtusSb/kpWj/8AYIv/AP0dZ16eVf70vSf/AKRIip8J0tFFFeuZhRRRQAUUUUAFc54o/wCQ14T/AOwu/wD6Q3VdHXK+NrCz1O+8L2epWkF5bSau2+C4jEiNiyuSMqeDggH8K1pW97m25Z/+ksTOgormbXwj4FvlZrLw94euFU7WMNlA4B9OF9xU/wDwgfhD/oVdE/8ABdD/APE1846eFW85f+Ar/wCTNryN+uesPAnh3TIWis7B0jY2x2tcyvj7PKZYQNzHARySAMDtjHFVpvDHw/t5LlLjRPDUT2kP2i5V7S3Uwxc/O+R8q/K3J44PpVv/AIQPwh/0Kuif+C6H/wCJp8uGW1SX/gK/+TD3uw1vAnh1ptQlawctqMNzBcg3Mu1kuCrTALuwm4qCdoHOSOpq/wD2Bpn9o/bvs3+k/bPt2/zG/wBf9n+z78Zx/qvlx074zzVL/hA/CH/Qq6J/4Lof/iagg8IeBrqaeK28PeHppLZ/LnSOxgYxNgHawC8HBBwexFO2Gf8Ay8l/4Cv/AJMPe7C2/wAPvDVpYXFnbWM0cNwsCMBez7lEMjSQhG35TY7EjaRjjsBjpa5uLwX4Jnkmjh8N6BI8D+XMqWEJMbbQ21ht4O1lOD2YHvRP4L8E2sYkufDegQozpGGksIVBZmCquSvUsQAO5IFJxwz3qS/8BX/yYe92OkorA/4QPwh/0Kuif+C6H/4mqWqeHPh5odqtzrej+GNOgdxGst3a28SsxBIUFgBnAJx7GkoYV7Tl/wCAr/5MLyOsorlrbwt4BvPs/wBk0Lw3P9piaaDyrOBvNjUqGdcD5lBdQSOBuHqKcfCfgMWJvDoHh0Wo6z/YoNg5x97GOvFHs8L/ADy/8BX/AMmF5HR3EEV1bS29wgkilQo6HoykYI/Kq1to9jZrbC3hKi1D+Vl2baXOWPJ5J55OTyfU1m/8IH4Q/wChV0T/AMF0P/xNH/CB+EP+hV0T/wAF0P8A8TS5MJ/PL/wFf/JktXd2l/XyNJNIsY71rpLcecwkBJYkYk2F/lzjkxqenY+pzDN4d0y4it4pYHaO3RY0XznAZF6K/PzgejZFZ0/gvwTaxiS58N6BCjOkYaSwhUFmYKq5K9SxAA7kgVC/hj4fxWv2mTRPDSQed9n81rS3C+bv8vZnGN28Fcdd3HWn7PC/zy/8BX/yYuRP7K/r5G8+k2Unn74c/aLmO6k+dvmlj2bG68Y8pOOnHPU0LpVmlpb2yw4it3EkQ3nKsDnOc5JznOeuTnOTWPP4L8E2sYkufDegQozpGGksIVBZmCquSvUsQAO5IFS/8IH4Q/6FXRP/AAXQ/wDxNLkwn88v/AV/8mPl8l/XyLU3hrSp9OisZLZhbw2wtUVJnQiIbfl3BgSPlHU+vqc27DT4dNtzDbNcMhbd+/uZJmHAHDOxIHHTOKxYvBfgmeSaOHw3oEjwP5cypYQkxttDbWG3g7WU4PZge9KngvwTLNLDF4a0B5YSBKi2EJZMjIyNvGRzT9nhP55f+Ar/AOTEoJO6ir/15HR0Vgf8IH4Q/wChV0T/AMF0P/xNH/CB+EP+hV0T/wAF0P8A8TS5MJ/PL/wFf/Jl+92N+sXTf+Sj61/2CbD/ANHXlRf8IH4Q/wChV0T/AMF0P/xNQeGtI03RvH2uW+j6fa2EDaZYO0VrCsSlvNuxuIUAZwAM+wr08vjQTqezk2+XrFL7Uf7z/Iid9LnYUUUV2EhRRRQAVx/iWynvvH2hxWup3WmuNMv2MtqsTMw820+U+YjjHOemeBz1rsK4rxhctaeLtKmVmRV0y7811ONsZubEO2f4QFLEt2AzkYzWtNtOXLvyy7P7L76CZc/4R3U/+hy1v/vzZf8AyPR/wjup/wDQ5a3/AN+bL/5Hrz4/EbUopXXw6bm+hIHyGwa+SN+hCzeehYbiBlum48gK2z0/QdRudV0aC7vrP7FPIvzw79wU98EgZHvgfSvEqVK8I81o2/wR/wDkTVJMo/8ACO6n/wBDlrf/AH5sv/kej/hHdT/6HLW/+/Nl/wDI9cZpPxN1i98B32tGHT72eCysbgNZIVjhec4kjcPJjMQw5y6DawyV+9Vi+8feIIvDdlqVvBpiOdG1HVbhWxMsq2rxBQjRSsq71kJ+8+0kcttIMe2r3taP/gMP/kQsjq/+Ed1P/octb/782X/yPR/wjup/9Dlrf/fmy/8Akesi38Q6pJrtlp2prbNcW/iF9PlltTLGkiHTXuVOzfyRuVSG3LldwAO3bkaZ421vUdAtZdXjsjNcJoV9G1n5sKrHe3QjZD+8JJXYx67WDAMpGQy9vW7R/wDAIdf+3Qsjrv8AhHdT/wChy1v/AL82X/yPR/wjup/9Dlrf/fmy/wDkeuS1D4mXkGseKLWwFrcR6TpV/eQl4ChjmtdgKPiUswJfOdsfABG4HI1LHxPr6eLU0zUxpstt/araW7W8Mkb7/sP2xXGXYYC/IR3PzZH3aPb1kr2j/wCAR/8AkQsjZ/4R3U/+hy1v/vzZf/I9H/CO6n/0OWt/9+bL/wCR6rfER7tfBzLp7yJPNf2EK+XdSWxYPeQoy+bH86BgxUsuSATwawZ4PE3h6HQoUl8+7u9clENm+pzTxpEbCfEbzyAPIodPMO4ZHAA+UURxNRq/u/8AgEP8g5UdP/wjup/9Dlrf/fmy/wDkej/hHdT/AOhy1v8A782X/wAj1mXWqTReAZJ7W8uRey3MNrdTTn95aSSzJFIdvITYHLAD5cAHkHJit/Fuor8UD4VS0iFhAgUSTTp5zr5AfzRum8yQbj5ZxGRnJL8EUvrFZ30j/wCAQ/yCyNj/AIR3U/8Aoctb/wC/Nl/8j0f8I7qf/Q5a3/35sv8A5HrkNI8eeJri30y6vk0l4bi20i6nSGCRGCX8phCqS5GUZd2SDkHbgY3FusfEW5e+8W6ba+TPBp+jahcRsqtBJHLbhFKMyTb+TJkMBEcAFSc5Fe2r3taP/gEP/kQsjsf+Ed1P/octb/782X/yPR/wjup/9Dlrf/fmy/8AkesKbUb231vV7mO7uHNr4ntLOO3MrFGhmtrNXTbnGAZWl46FSe7Z7yoliqq6R/8AAIf/ACI+VGB/wjup/wDQ5a3/AN+bL/5Ho/4R3U/+hy1v/vzZf/I9b9FR9cqdo/8AgEP/AJEOVGB/wjup/wDQ5a3/AN+bL/5Ho/4R3U/+hy1v/vzZf/I9b9FH1yp2j/4BD/5EOVGB/wAI7qf/AEOWt/8Afmy/+R6P+Ed1P/octb/782X/AMj1v0UfXKnaP/gEP/kQ5UYH/CO6n/0OWt/9+bL/AOR6P+Ed1P8A6HLW/wDvzZf/ACPW/RR9cqdo/wDgEP8A5EOVHC+NdB1GHwD4glk8WaxOiaZcs0UkVmFkAib5TtgBwenBB9CK9ErlvHn/ACTjxJ/2Cbr/ANEtXU17eFqyq4VOVvilskukeyRnJWkFFFFaCCiiigAooooAKKKKACiiigDn/H//ACTXxN/2CLr/ANEtWtWT4/8A+Sa+Jv8AsEXX/olqxdHu9X1D4i69FNeamum6bcrFDGiWgtGzawPsY7fPL7pWfIIXAAz/AAnlzKN8NT8nP8oFQ3Z2FFR3CyvayrbtslKEIx/hbHB6Hv7GodMhvLfTYYtSuRd3SDEk4QL5hz1wAAOO38+tfPm/KuXmv8upzl78PLC+1bUdTk1G/iu78wNvhEKeSYZVljIAjw5DIuDLvOMjoTmN/hno8upavfTXV9JLq9pd2c+5o/liuCpcKwTcdpT5dxbaCQOMAU9U8a3Np8Qo7WNrr+yLaWKzutunyPC0koJLm4CFE2EwrgsPvvkZAqHwZ8R31bQPDrahCWmvGt7O5up28ljKbFrl5dm0DYWTaMEAkkjgDPRaqo3Rnobf/CDWx1mPU21XUjcJKLhgWi2SXAtWtTMy+XjcY2GQMLlR8vUG/wCF/DFp4T0htPsJppo3mectMEXDMckKkaqiL/sqoHU9SSedtfiPcXJ0mZdEUWd7Y6XdXEovPntzfStFGoXZ84V1GTleCTjjBh8L6h4q1PxI88kuoSaYmqahBO1ytmLXyY5po4xD5Y8/eCkYJk4ID9eDScZ2fMx6HoNFcDpnxLn1Xw7NqsHh65jX7RZRWon82FLhbmdYlId4lG5d2WC715XDnOQy4+Id7/YuryXWkmxkt9M1K5hltrxZCZLKTypgN8WF+cqUYqwI5KjGDPsp3tYLo9BorlU8Y3B8aPo0mlqtmNQ/s5L1bnLNN9jW75j2jC7CwzuPIHHPGXB8RRb6X4TaWD7U+sW1i9xvmJnh+0lUR2CQiMgsxySYwdrbRnC0vZyYXO+orz+8+JV9ZpeTnw9HJa2yajPvW/8AnaGxuPJnbaY8BjlWVc85IJXAJ9AqZQcdwCiuB0z4lz6r4dm1WDw9cxr9osorUT+bClwtzOsSkO8Sjcu7LBd68rhznIuaV48luriVNX02HTYktr2YXH23zIwbOYQ3G47FKqGYFWwcrkkLjBp0proFzsqK4jR/HUmtz6cjWj2cra0+mzxxyEo2LGS4B/exK5XG3jahyM5K8Nu+DNQudW8B6BqOoS+bd3mm2088m0Lvd4lZjgAAZJPA4pShKO4G1RRRUDCqGpaUuotHIt1cWc8asiz2xUOFbG5fmUjB2r2zwMEVfrI1XVf7Gv4p7yTGnyQSA/KPkkQFxjudyB/++BjrSIqOKj72ws/hyznt76AvMsd7YJp7gOCVjUSAEEg/N+9bk56D3zFP4S0m5mnuZ7ZHvpZfNF8Y0M8TAjbsfHAXAAHoOc81jal4j1PTWsEmM7SwQrdagsNm0y4Zh+6LIpCbV8w5OCdi5PJol1fVn8WTx21xdm0XUYLeM7bf7L5bQxSMrHHm7yGfaRxkqPalockqlHbl/rX/AIJ0VvodtavC8Lyh4Z55g2RlvOdndDxyu5sgdflXnjl9rYyWmr306Mpt7wpKykncsoUIT7gqqfQr3zxnafe3VxqSzz6l5SyXdxbLYNGuGEbOAynG4NhQxySMN0HFZOj+LL57bSrjVbe5hhOiSXk8kgiIunXyMMgRiR99uCFzvHHHDNPaU420t/SX6m9b6H9mbR7eJ82WkQ7Yd5zI7iMxKTgAYCFvqW7Y52K4NPEmqv4duo5JLtNSS5tNrCzEEhSaaNWVFmUKSCXQMRj7pJzmrlpeancaXI1zq15aOl1JFDEYLdryUhVwjAApndvPA5UqcgAklyYV4LSKff8ATv5HYUVjXV3fwWGkW0zpFf3sqQTSxjKowjaSQqD7RsBnuRWRdXmr2ySvb6w13AzRQS3PkRqkErzxxkxYHIVWcncWwQoyfmFFzaVZR6M7CiuYi1K/szMJrx7uOz1WKyZ5EQNMkqxAE7VABV5ewAwpyM9OnoKhNSCiiimaBRRRQAUUUUAFYk3/ACUrR/8AsEX/AP6Os626xJv+SlaP/wBgi/8A/R1nXp5V/vS9J/8ApEiKnwnS0UUV65mFFFFABRRRQAVyXj22lvG0C1tyqyzX88aFzhQx0+7Az7ZNdbXOeKP+Q14T/wCwu/8A6Q3Va03ZTf8Adn/6SxM8/wBU0/xprWuSvZ6Q1m8YZVuLm8lt3dNxZV328m3AztGckbieduH7zwjY61p2iLb+IbwXdwhwr5JIX0ySSQOgLFmwPmZjkndor5ieIcocllY2seS+IPBni+80zWtUt1tLi91a2vYH01Igk6xzwiNEadpvLbZ5cJ4UdHweeb+r6b47i0q7W2+0317JZ6naiW1vRAplmETW06Kz4QIEaMDO5SSRwxavS6Kn20tNEOxxE+meJLXxjc6zbG/uYP7SYLZ/bh5Mln/ZwwFjZtqk3SgZwDyT90knN0/wl4w0SK9ltr+xuLzVNPnjklt7YwGC7PmSxyuzSt5gDyOvyqvBXjA49Jope1drBY800jwtrbkxzQ6vp1nda/8AabgPq2bg2o0wRDfKkhZv36qMBieAegzUulaL4xtdKhS5uL+SeaLRZ7jzb4OVuFuc36qd3CeUq5UfKckKCSc+jUUOq2FjhNLg1Lw3rMur+I9TmttLlOom7k1DUQYIc3q/YtoZsJmF3GFx/CG5Cip9XuLTxvd6J/wiPiGCb+zdT8+7utKureaS1RrW5RThg6/MzBcFScEkdMjtKKXPre2oHB3/AIFvF1DSrbRr2aC0gsNQW4u5drNLLPPby7XA2nDsshbYBwCBtyK0NdaVdM8O3N9ZiytLXUYnv7YMrJEoR1Q5HGxZjC2eMBckDBA6yij2j0uFjzV9G8cGbxmxvLstdWV4mlrHIFRpGJ+zlHNwfLZFwvEUQyclmIBrSsfD+u6f4tS5iu9SlsE1Vk2XGoGVDZNY7ixVmOT9r4H8QHAwldxRTdVsLHmej6d44b+0nvoLqzWe80yeKA6gZfLC3ha7Cu0znZ5QXj5AynAQEsCtz4L1/WbFdKkNrp9nHe6nds91D9pWU3FzP5e1UlQqVikL5J4LrxlTj0uij2sr3QWPNdW0bxbqt3ozX9rdTeS+nGXyL1I4UkgvQ88rx7xvDxqjIMMV2kcE4Md/4Y8XPBfT2l5qy3bw6vNAq6oQonF0G09QpfaFMZbK/dxhX6AD06ij2rXQLHE6joWu6nrMsUtzqEGmy68Ji9rftCy2f9m7MKVYMF+0j7o5z82Mc07w0upvr2kHU8nUbbw9HFrbZU5uWMbRqSvykgi4PHQSA9GFdpRS9o7WCwUUUVmMKxdN/wCSj61/2CbD/wBHXlbVYum/8lH1r/sE2H/o68r1sr+Kp/h/9uiZz6HSUUUV6hAUUUUAFc3qX/JR9F/7BN//AOjrOukrm9S/5KPov/YJv/8A0dZ0/sz/AMMv/SWBqxWtvA7PBBHGz/eZEALfXFS0UV8q23ublbTtPttJ0u107T4vJtLSFIII9xbYiKFUZOScADk81ZoopAFUtQ0my1R7Vr+IzfZJ1uIVMjBRIv3WKg4bB5GQcEAjkA1doovYAqO4gS6tZbeQyKkqFGMUjRsARg4ZSGU+4II7VJRQBlaX4cstHumuLSfU5HZChF3qtzcrjIPCyyMoPHUDPX1NatFFNtvcCG7tIL+ymtLyJZredDHLG4yHUjBB/CnxRrDCkSFiqKFBdixwPUnkn3PNPopAFFFFAFa4sLa6urW5uI/MltGZ4CWOEYqVLY6ZwSM9QCcdTVmiigAooooAKKKKACiiigAooooAwPHn/JOPEn/YJuv/AES1dTXLePP+SceJP+wTdf8Aolq6mvocD/ui/wAUvyiZS+IKKKK6SQooooAKKKKACiiigAooooA5/wAf/wDJNfE3/YIuv/RLVoxW8EEk0kMMcbzv5kzIoBkbaF3Me52qoyeygdqzvH//ACTXxN/2CLr/ANEtWBoXhr/i5XiXXr3T7D/j8RbS4l07/Sv+PO3UtHcFv9X/AKxdoX7275uorlzFJ4and9Z/lAqG7O1oqO4gW5tZYJPuSoUbHoRjvUOmadb6RpsNhZKUt4BtjUnOBnOM/jXz5vaPLe+vb/ginT7JrSa1azgNvOXMsJiXZIWJLFlxg5JJOeuart4f0Z7VbZ9JsWgVIo1iNshULF/q1xjGEydo7dsVyOnHWrT4qarHbpfCwvNTEk6PZ4t2hGnwqJVmK8v5qKm0NjG7jgkc5cal471RtDeDTLuTUdOhtmf7bZmGIXps9QjuH3BMFd3k4x8hLJjAfJ3VN9/Mi56qmi6XHGkcem2aJGkMaKsCgKsLboVAxwEYkqP4TyMVYgt4LWMx20McKM7yFY1CgszFmbA7liST3JJrirLW/EEniizsng1M2c2opIJp7Dav2I6aTh3CAK/2pTkcMCQOFIB6DxWLltGgFlB58n9p2BZPIEuE+1w722kHG1Nzbuq43AgjIhxd0m9wLUGgaParMLbSbGEXEy3EwjtkXzJVYMsjYHLBgCCeQQDT30XS5I3jk02zdJEmjdWgUhlmbdMpGOQ7AFh/EeTmuN0Vtau/ip9o1ZL7y7a11KFRJZ7LeFDc23khJQo3l40DHLEghhxggd/SknF7gZ97o1pdwzeWi2lzK5lF3BEnnRymPyvNUspG/wAv5NxB+XjpxVe28J6DbW+nRDSbSY6ZBFb2ks8KySQpHgoA7Angqp69QD1rYoqeZjKT6LpckbxyabZukiTRurQKQyzNumUjHIdgCw/iPJzVL+w9Q/tT7V/wlOreT53mfY/KtPK27s+XnyN+3HH3t2O+ea2qKOZgZ8GgaParMLbSbGEXEy3EwjtkXzJVYMsjYHLBgCCeQQDUn9k6bz/xL7XlZlP7leRK2+UdOjsAzf3iMnNXKKLsDPs9B0jTo400/SrG1SKXzo1gtkQJJ5fl7wAOG2fJnrt46VbtreCztYra0hjgghQRxRRKFWNQMBQBwAAMACpaKV29wCiiigAqG5tbe8jEd3BFOgYMFlQMAR0OD3FTVha891pt3Dqmn2kl3IYnt5IYkLFsgtGTjsHG3PYSE9qRE5KMbtGysEStIyxIGlOZCFGXOMc+vAA/Co00+yjhMMdpAkTMrFFiUKSoUKcY6gIoHptHoK4/UNH1nzLWLS7aOcaPErrNPO0JmuSQ7uoCMHyAVPIH7xx9Im0a4u/E1zrP2KOOFtTtpBI1gwvAggg+7JnITd8rLt4Hmc9RRc53We3J/XU7VNPs0vnvUtIFu5F2PcCICRl9C2MkcUn9m2Plwp9jt9kCCOFfKXEagqQq8cDKIcD+6PQVgaZbRx+IC1zp1w2p/abhnvhEyp5BZvLUyYw42lAEycEZwMVkaRBr2mWeiTzwi4eDQZIYII7N42hlJtgscpLNk5HJwuArHHHADqpfZ/rT/M7maztriRXnt4pXTG1nQMVwwYYJ/wBpVP1UHtVa90LSdRfdqGl2V227dme3RznAGeR1woH4D0rjH0TVrfQLjRLqxhdZ7mzmjZd93ESJ4hMZAVTg48wr3DPzwcPOnWumadJZ6porXczXcvlR2+myvZwAomHWNN2BgA9zvLgEcmgl1r/FD7/+GOzuNLtp7GG1RPs8duyNB5AC+SU+7tGMADGMYxjjpUEPhrQrbzfs+i6fF5yGOXy7VF8xSclTgcjgcH0qhexrHo+g2jSTS2TzwxXD3ClXdBG2zeGAILSCMEEfxEGuektLK6S6k03SL60RRGs9u+nzq93ELiMys7MuJGKKwUZLEM2euAFTnFP4V/XY7NdEsIltY7a3S2t7WQyx28CKke/BwSoHbJI9+eoGNCuLtoUtYRNp1o9mjazENOgaBoSImWNZgEYAhcCZsEDoD2FdpQa0pJ7KwUUUUzYKKKKACiiigArEm/5KVo//AGCL/wD9HWdbdcrrt5e2HjrSLjTdNbU5V0q+3W8cyxuy+dZ5KlvlJ9iRn1FenlX+9L0n/wCkSIqfCdpRWNonizSdemktrSZob+EZmsLqMw3EXu0bc4/2hlT2JqzourJrVhJdRRNEsd3c2pVjkkwzvCT9CYyfxr1zM0KKKKACiiigArnPFH/Ia8J/9hd//SG6q74h8U6L4Ttba58RX8dhb3VytrHNKDs8xlZgCQMKMK3JwOOtZ3iG4hutS8IT2sqTQyaq7JJGwZXBsbrBBHBFaQ2n/hn/AOksTN2iiivkToCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArF03/ko+tf8AYJsP/R15W1WLpv8AyUfWv+wTYf8Ao68r1sr+Kp/h/wDbomc+h0lFFFeoQFFFFABXN6l/yUfRf+wTf/8Ao6zrpK5vUv8Ako+i/wDYJv8A/wBHWdP7M/8ADL/0lgbVFFFfKG4UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGB48/5Jx4k/7BN1/wCiWrqa5bx5/wAk48Sf9gm6/wDRLV1NfQ4H/dF/il+UTKXxBRRRXSSFFFFABRRRQAUUUUAFFFFAHP8Aj/8A5Jr4m/7BF1/6JaiLxLps/iCbRYftkl5A/lzFLCcwxt5Yk2tNs8sHYynBb+IDqcUeP/8Akmvib/sEXX/olqraP4cOn+Kde1maWRn1K5V4US6lMaxi3gj+aLOwPuib5gCdpAz2HLmVvq1O/ef5QKhuzcllWCF5ZCQkalmIBPA56Dk1Dp9/bapp8N7YyGS3nXdG5UruHrggGp3RZEZHUMrDDKRkEelCRpGu2NVRck4UYGScn9a+fN/d5fP8LFKXW9Og1230aW5VdQuImlih2n5lHU5xgHg4BOTtbGcHE2nahbatpdrqOny+baXkKTwSbSu9HUMpwQCMgjg81yOoeCtVvdaudeTWZItQW7jntLRRH9m2RArGjsYjKNyvJu2tgGVsA98vQPh9r/h/S9GRLyxvrzTJracNcOwDbbOS1khDKmRGofenGSdwOM7q15IW31I1PR7i3hu7WW2u4Y54JkMcsUqhldSMFSDwQRxg1z+i2Pg7SvE11YeH9L0uw1eG3BnFpYrC/lsQcb1UAjO0lc8ZUkcjPN2Xw1vIE0aeZrI3+l6dotpFcK77ozazO1ztO3O143Kj+9kggCtHT/BWq2WtW2vPrMkt+13JPd2jCP7NslwsiIwiEp2qke3c2CYlyB2dopNcwHXJqFtJqk+nJLm7t4Y55Y9p+VJGdUOcYOTE/HUY56jMlzOlray3EokZIkLsIo2kYgDJwqgsx9AASewrzTTPhlqNvY3lpeLpmy4/slJHikcm7+y3bTTSy5QYkkVugz82cnvUzfDK6g0vVLbTPsNs1/pmr2LBGZVYTzBrMEBfuxRbk6fLnCgg0ckL/EGp6VRXES+EXsfGdx4rIhDjU2u5ZIVked7MacITDtVSXPnIr7BnO0EfNgVNr1zH458OX2iaMdRs7qVEkEl7pdxaxsqyIzIXmh2HcAVIIbgk7WAIqeRXVnp+QHY0V5rffDS7vfDdlYs1s89no2o2sDXE3meRdTvE8LoyRIAsZjOCqKVwm1eOLmo+BL3+xdU0nSItLGn3mrJcx2twoZIrfyI1cKHjdVfzlaTG1gdx5BbIfJH+YDsb3V7PTmIvHkiAeCPeYXKlppfKjUMBgkuQCAflyC2AQabDrenT65caPFcq1/bRLLLDtPyqenOME8jIByNy5xkZ4+18DawlhZx3V3ayzxWOhQSyGRzvksbpppmyVyQwb5SeSeu3rVjT/BWq2WtW2vPrMkt+13JPd2jCP7NslwsiIwiEp2qke3c2CYlyB2OWHcDrk1C2k1SfTklzd28Mc8se0/KkjOqHOMHJifjqMc9RmS5nS1tZbiUSMkSF2EUbSMQBk4VQWY+gAJPYV5ppnwy1G3sby0vF0zZcf2SkjxSOTd/ZbtpppZcoMSSK3QZ+bOT3qZvhldQaXqltpn2G2a/0zV7FgjMqsJ5g1mCAv3YotydPlzhQQafJC/xBqelUVxqeCpo/Hj+I4/sqTSat9oeVWYSNaf2esHlHjn98qvtzjCg5yMV2VZySVrMYVD9qh+2G03/vxH5mwg8rnGQeh5/Lj1FTVka9pt9eLDPpE0cF5EJIxJISAI3XB6A8hgjD1KAcVBE20rpXJzrumr9kzcgfbZDHb/K3zsDg9uBnjJ4ORg8jMcniLTYtTeweSYTJKkLt9ml8tZGClVMm3YCQ68Z/iArLv/CMl9IRFqM1jBb2yW1lHbhGCqpDbm3oSDuVfukcIOc9EHhe5k1KbU7mRTcyX0Nz5C3Mv2dgsMSMCn3dwZGZW254TJ7A1MHOt0X9dTbTWbF9T+wLM32gkgZiYIxHJUPjaWHcA5GDTrXVrK8+x/Zpt/222N1b/Iw3xDZluRx/rE4ODz7GqWn6fqNjfGFTbf2eLie58zcWlcyMz7duMKAXPOSSABgc1jWPg2902zsFsrsrcxaS9jNJJdzSKjsYcvErZCgCNyAAvO0Yx0NRudVdP60/4Jvf8JHpZ0qTUUuWktY5RCWjhd2LlgoUKAWOSy4wOcgjg5qP/hKdK8kSebOTvZDELSYyqVALZj27wAGU5Ixhh6isl/BtxFayWVtqEk9pO9o7+cwiePyZYz8hiRcZjTGeoKrz3E50fWdNtJbPRvs00M1y8ks1zeyrO6FRgb9jncMbdxydqrjnkGpPtK3Vfrr95t3F5YSaWtxcNHNZzhNp271kDEbcDndkkYHvVNfFWjvHK4uX2xp5mTbyDzFyF3R5X94MsoymeSPUUy/tJYbHRnjtVVNPnjeW1t8uFXy2jwvALBS4YcAkJ0zxWfNpOvaj50upW+nLco0cltJHdyMq+XMkoj2mIbQ2wbmyTkDjGAAqU6iei/Bmzb6tpl/LbyRn960jwxGa3eN0cLlkwygqcc4OMge1aVcw+m37DFzDGt1f6rDeP9nZpI7dIhHn5yq5ysQXoMlz2Brp6DSnKTvdBRRRTNQooooAKKKKACuQ8USRQ+MNMmuddk0GGPSb5nvkaEbAJrPgmZGTB+ma6+uevrS2vPiRoi3dvFOsel30iCVA21hNZ4YZ6EetenlX+9L0n/6RIip8Jw2seGtZ+ICRR6LrWuSW8Tbodb1W2s7cRH+9AqWyzMfcGMHsxra+H/hbV18KNH/wm+uI0WpahE3lw2ZDst7Mpf8AeQO2WILHLHljjjAr0qmxxpEpWJFRSxYhRgZJyT9SST+NeuZnO/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItdJRQBzf/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLXSUUAeIfHLwD4k1vwfpljpusa14hmk1WP8A0aaC12xjyZf3hMUMZH93LNt+bnsRS+H3wr1z4fax4Zn1jWpHiuNRkX+yo5C8UbmzuD5h/hDYXGAD1PzNxj3yuc8Uf8hrwn/2F3/9IbqtIbT/AMM//SWJmzRRRXyJ0BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVi6b/AMlH1r/sE2H/AKOvK2qxdN/5KPrX/YJsP/R15XrZX8VT/D/7dEzn0Okooor1CAooooAK5vUv+Sj6L/2Cb/8A9HWddJXN6l/yUfRf+wTf/wDo6zp/Zn/hl/6SwNqiiivlDcKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDA8ef8k48Sf9gm6/9EtWr4g8TaL4V01r/wARalb6fbDOGmfBc+ir1Y+wBNZXjz/knHiT/sE3X/olq8J+KfwB8YXWoT63pms3PindklLt/wDSY1z0A+6wHPC49AtfQ4H/AHRf4pflEyl8R9LaZqNtq+k2mpafJ5tpeQJcQSbSu5HUMpweRkEcGrNef+CfCmtR/D/w8k3i7xBYSLplsGtPs9kPs58pcx4e2LDb0+Yk8ckmtz/hF9X/AOh78Qf9+NP/APkWukk6Siub/wCEX1f/AKHvxB/340//AORaP+EX1f8A6HvxB/340/8A+RaAOkorm/8AhF9X/wCh78Qf9+NP/wDkWj/hF9X/AOh78Qf9+NP/APkWgDpKK5v/AIRfV/8Aoe/EH/fjT/8A5Fo/4RfV/wDoe/EH/fjT/wD5FoA6Ss/T9Yj1C+1e2WMxnS7tbWRmIw5MEU24egxMB+BrL/4RfV/+h78Qf9+NP/8AkWvONR+HOv8AiPVPEiWfi6/nWz1lPOsrxYFiv/8AQbU/vNsOzOCF5jZcKPlzliAdP468a2mpeCfEVj4btp9axp1ylzd22BbWw8pgxMx+VmAz8ibjng461t/Y/F//AEHNE/8ABLN/8lVwGv3b2ngfWNL1nxL4g0W8XTLhYtMv7fT0guQIm/dxSx2wVwemEYOB2U1v6944fRZHuXvoots8kfkXY2wOqyOh2siM6sBHuJOVwW4A5WcXKaw9NQt8Ut0n0j3TCNrs6D7H4v8A+g5on/glm/8Akqj7H4v/AOg5on/glm/+SqzvBvj+PxZcz2/2LyHj+7LE7vE3quXjjYMpBBG3APGSQwWbV/GUuleLF0kack1uq2RluPtO11N1PJAm2Pad2GQEncOGJ7c+RKtiIvlcY/8AgMP8jSyLf2Pxf/0HNE/8Es3/AMlUfY/F/wD0HNE/8Es3/wAlViN8SXC+JpU0K6NtodteTJOyypHO1sSrRl2jCAsQdu1n4BJAIxVux8aX0viVNK1HRY7ZTftpzTRXvm7Zvsv2pflKLlTF1OeG4wR81T9Yr/yx/wDAYf5BZGh9j8X/APQc0T/wSzf/ACVR9j8X/wDQc0T/AMEs3/yVXPab8Qrp7bRN+ltcW1zp2lXF1dyXa+ajX0jRJ8ixqrkOoLEbBhiQowAXap8RRoHheTU5YPtbx3uoK8Ekx80w21xJGzII4SCAFUDcFADLucnLF+3r3tyx/wDAYf5BZG/9j8X/APQc0T/wSzf/ACVR9j8X/wDQc0T/AMEs3/yVWZf+NdTh8Q3Gl6foUF1s1D+zYZZL/wArzJvsa3fI8s7V2bhnJOQvBydsdx8SLdE8OTW9oJYdbjtJGQyP51sty6pExVY2TG5jyzr91sbjxS+sV/5Y/wDgMP8AILI1/sfi/wD6Dmif+CWb/wCSqPsfi/8A6Dmif+CWb/5KqpoPjG41fxBJp1zpa2sTm++yzpc+Z5otLkW8m5do2ElkI5bqfTlvjzUNUs00KDRZL9JL7UzBKunLbGd0FtPJhftH7sfNGpJODgEDk0fWa3NytR/8Bh/kHKi79j8X/wDQc0T/AMEs3/yVR9j8X/8AQc0T/wAEs3/yVXOS+I/E+iTaNb6lbzXd1Pp2oTTQLGjMPLntxFJKY+MrFI24R8MxIUE7a39R1G6g07Q7Wy1ETzatdpAuoKiEbPLeZnUAbeUiZV6jLKTnuPEVV0j/AOAR/wDkQsiT7H4v/wCg5on/AIJZv/kqj7H4v/6Dmif+CWb/AOSq5XxH491Gw8G6jJpcW6/8rWZI7i4nQeQtpO8QZR5e1zkptQjlQcsxBLek0pYmtFXaj/4BD/5EOVGB9j8X/wDQc0T/AMEs3/yVR9j8X/8AQc0T/wAEs3/yVXO2PxQefwncaxdaN5UiWdjdw29vctcb1u2KRqSse4MGB3AKxxggEnbU1/8AEW8stHtb7/hHpVZtOvdRuoLmV7d4Y7V41farxhm3CTcu4JkBc4zxXt697csf/AYf5BZG59j8X/8AQc0T/wAEs3/yVR9j8X/9BzRP/BLN/wDJVULfxZdXOqWVjd2TWN0utvptzFFcLIh/0F7lTuKZYFSnA2EN3IBDZun/ABCutV0SC5udLbTZpv7IuY1gu1l3QXtwI1yzR8EbXDLtzjGGUnKn1iv2j/4DD/ILI6H7H4v/AOg5on/glm/+SqPsfi//AKDmif8Aglm/+SqxdQ+JKWOo69bJYR3KaVpl3fxSQzviY220SRsTEFVtzBflZ8YOccA2rHxpfS+JU0rUdFjtlN+2nNNFe+btm+y/al+UouVMXU54bjBHzUvrFe1+WP8A4DD/ACCyND7H4v8A+g5on/glm/8Akqj7H4v/AOg5on/glm/+SqwYfiY11BqZs9MhuZLSexS2Md04iuUu7jyY3DvEuOQW+UMpGMMecaGn+J7u9u9EuZIvs8WoXV1plxZbg4huIPOJdXwCy5t5F5xkMhwpyCPEV1vGP/gEPXsFkXvsfi//AKDmif8Aglm/+SqPsfi//oOaJ/4JZv8A5KrforP65U7R/wDAIf8AyI+VGB9j8X/9BzRP/BLN/wDJVH2Pxf8A9BzRP/BLN/8AJVb9FH1yp2j/AOAQ/wDkQ5UYH2Pxf/0HNE/8Es3/AMlUfY/F/wD0HNE/8Es3/wAlVv0UfXKnaP8A4BD/AORDlRgfY/F//Qc0T/wSzf8AyVR9j8X/APQc0T/wSzf/ACVW/RR9cqdo/wDgEP8A5EOVGB9j8X/9BzRP/BLN/wDJVH2Pxf8A9BzRP/BLN/8AJVb9FH1yp2j/AOAQ/wDkQ5UYH2Pxf/0HNE/8Es3/AMlUfY/F/wD0HNE/8Es3/wAlVv0UfXKnaP8A4BD/AORDlRgfY/F//Qc0T/wSzf8AyVR9j8X/APQc0T/wSzf/ACVW/RR9cqdo/wDgEP8A5EOVGB9j8X/9BzRP/BLN/wDJVU7GHWIviVpn9tX1jd50i+8r7JZPb7f31pnO6V93bpjGD1zx1dYk3/JStH/7BF//AOjrOvRy3EzniOVpbS2jFfZfVK5E4pI6Wiiiu4kKKKKACiiigArnPFH/ACGvCf8A2F3/APSG6ro65zxR/wAhrwn/ANhd/wD0huq0htP/AAz/APSWJmzRRRXyJ0BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVi6b/wAlH1r/ALBNh/6OvK2qxdN/5KPrX/YJsP8A0deV62V/FU/w/wDt0TOfQ6SiiivUICiiigArm9S/5KPov/YJv/8A0dZ10lc3qX/JR9F/7BN//wCjrOn9mf8Ahl/6SwNqiiivlDcKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDA8ef8AJOPEn/YJuv8A0S1dTXLePP8AknHiT/sE3X/olq6mvocD/ui/xS/KJlL4gooorpJCiiigAooooAKKKKACmpGiM7Iiq0jbnIGCxwBk+pwAPwFOooA5v4iQRT/DPxIs8SSqul3LqHUHDLExB57ggEGsW61b4a3up/2jdav4be9wAbj7dCHYDGASGyeg6+gre8f/APJNfE3/AGCLr/0S1c9eeN7u11ySxCWp2NI+11Kjy0kKcybuGO0nO3HQVzZjiaOHw1OVW+8tnbpDyZpSpyqSaiacXjTwTASYfEmgRk9Sl/CM/wDj1Z76x8PZfE7a/ceIdAnv/s8UEby31u3kCNpSGQk5Vj5zAkHkAfjbsvHNre39pbJaSEXUnlrJHIkig4JycHpx1rqa8mNfCTXNGMv/AAJf/IFShOLszkDrvw3a4vZ21TwsZr+MxXkhuLfdcoRgrIc/OMcYORU//CV+AvtH2j+3vDnned9o8z7ZBu83y/L35znd5fyZ67eOnFdRRT9phf5Jf+BL/wCQFaRyP/CQ/D1YBFFrfhmJVjhiTZdWw2LC26EAZxiNjuUdFPIqjbXXw0j0eDTr/XPD2qpC80gk1G7tpnZ5mZpXOeAXLtnAA5xjHFdvbTpdWsVxEJFSVA6iWNo2AIyMqwDKfUEAjuKIJ0uIy8YkADuhEkbIcqxU8MAcZBwehGCCQQaftMMvsS/8CX/yAWkc5/wlfgL7R9o/t7w553nfaPM+2QbvN8vy9+c53eX8meu3jpxVZtZ+GjyWkjaj4UZ7JEjtWM9tm3RCGRUOflClVIAxggY6V2NFL2mF/kl/4Ev/AJALSOPuvEXgiS3ZbDxZoml3P7zy7yzu7TzYvMkEku3eGX52UFsg5PPXBEWneIfClrIJNS+IGn608biS3a/u7EG2baylkMSJglXIJOeOBjJz2tVNU1Oz0bTJ9Q1KXybWBd0j7SxHOAAqgkkkgAAEknApqphXpyS/8CX/AMgFpGM3jTwS10ly3iTQDPGjRpKb+HcqsVLKDuyASikjvtHoKp3viDwHeafHaJ4n0S1SGZZ4WttQgQxSBt25ecdc5yMEEg5ya6O01ewv7trazuFmlW2huyFBx5UpcRsDjBz5b9OeOeozdo58Kn8Ev/Al/wDIB7xx93rfw2v7UW19qfhW5txI8oimuLZ0DuSXbBOMsWYk9TuOetVv+Eg0D+1PtX/C1IvJ87zPsf2zTvK27s+Xnyt+3HH3t2O+ea6PWfE2maDc21vqBumnuUkkijtbGe5YohUOxESNtAMicnA+YVoWl3Bf2UF3ZyrNb3EayxSocq6MMgj2IOafPhkr8kv/AAJf/IC97ucXot98NdC8Nx6HZ614cezECQTCW7tibkKgTdLjAdiAMkjmri6/8OVs0tF1XwuLZLd7VIRc2+xYXxvjC5wEbauV6HAz0rrqiinSaSZEEgML7GLxsoJ2hvlJGGGGHK5GcjOQQF7TDPXkl/4Ev/kB2kc5/wAJX4C+0faP7e8Oed532jzPtkG7zfL8vfnOd3l/Jnrt46cVnXupfD27FkieJdDtIbOS3YRWt9bRrItu2+CNsc7Ef5lUEAH2JB7RZ0a6e3Ak3xorkmNgpDFgMNjaT8pyAcjjIG4Zlo9phV9iX/gS/wDkAtI47+2fhp591N/aPhTzbxHjuZPPtt06vjernPzBtq5B64GelWf+Er8BfaPtH9veHPO877R5n2yDd5vl+XvznO7y/kz128dOK6ism68S6bZ69Ho0n2yS+dI5NlvYTzLGsjMqM7ohRASj8sR90npzRz4Z/Yl/4Ev/AJAPeMS11n4aWSutnqPhS3WR0dxFPbKGZHMiMcHkq5LA9iSRzSr4g8BpqkF9H4n0RDbrL5UKahAsavK26STAPLsc5Y+rf3mzvw69ptwsTQ3O/wA65ltY1Ebbmkido5BjGcKyMC3TjOcYNSTavY29zcQT3CpJbW/2mfIOIo+fmY9Bna2ATk7T6Gnz4b+SX/gS/wDkA1M3/hPPCH/Q1aJ/4MYf/iqP+E88If8AQ1aJ/wCDGH/4qren+I9K1U2IsLrzTf28lzbjy3UtHGyK5IIG0q0iAq2Dk9ODjUqXLCrenL/wJf8AyAe93MD/AITzwh/0NWif+DGH/wCKo/4Tzwh/0NWif+DGH/4qrus69YaBDbyai1x/pU3kQpbWstxJI+xnwEjVm+6jHOMYFT6ZqdprGnx3unymWCQsAxRkIKsVZSrAFSGBBBAIIINHNhbX9nL/AMCX/wAgHvdzL/4Tzwh/0NWif+DGH/4qj/hPPCH/AENWif8Agxh/+KrfqJZ0a6e3Ak3xorkmNgpDFgMNjaT8pyAcjjIG4ZOfCfyS/wDAl/8AIB73cxf+E88If9DVon/gxh/+Ko/4Tzwh/wBDVon/AIMYf/iq2mnRbpLciTfIjOCI2KgKVBy2NoPzDAJyecA7TiWjnwn8kv8AwJf/ACAe93MD/hPPCH/Q1aJ/4MYf/iqP+E88If8AQ1aJ/wCDGH/4qt+ilz4T+SX/AIEv/kA97uYH/CeeEP8AoatE/wDBjD/8VR/wnnhD/oatE/8ABjD/APFVv0Uc+E/kl/4Ev/kA97uYH/CeeEP+hq0T/wAGMP8A8VR/wnnhD/oatE/8GMP/AMVVq78S6XYti8nkgPlTzYkt5ARHDIscj/d+6GkT5uhU7hlea1AQQCDkHoRT5sKv+Xcv/Al/8gHvdzB/4Tzwh/0NWif+DGH/AOKqnY69o+t/ErTP7F1Wx1HydIvvN+yXKS7MzWmM7ScZwevoa6usSb/kpWj/APYIv/8A0dZ16GWyw7xHuRadpbyT+y+nKvzIne2p0tFFFdxIUUUUAFFFFABXOeKP+Q14T/7C7/8ApDdV0dc54o/5DXhP/sLv/wCkN1WkNp/4Z/8ApLEzZooor5E6AooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKxdN/5KPrX/YJsP/R15W1WLpv/ACUfWv8AsE2H/o68r1sr+Kp/h/8Abomc+h0lFFFeoQFFFFABXN6l/wAlH0X/ALBN/wD+jrOukrm9S/5KPov/AGCb/wD9HWdP7M/8Mv8A0lgbVFFFfKG4UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGB48/5Jx4k/wCwTdf+iWrqa5bx5/yTjxJ/2Cbr/wBEtXU19Dgf90X+KX5RMpfEFFFFdJIUUUUAFFFFABRRRQAUUUUAc/4//wCSa+Jv+wRdf+iWrA8WaR4b0lDq2sNdrFNcAGKOY+W0hy3Kk4wSCT2zW/4//wCSa+Jv+wRdf+iWrgNb1yVdfubW4unaBZZMp5xdzIJSEQQltpG0Lxt5BzmvLzqpCnhqLkr+9K33Q2NqMJzclB2djP8AA9zeaj44tptLFqpjR21CTztwuE3AAqo4Q5OQBjAGOa6bWvDN9q/xU+2wWkCQW1rpsg1CXcHjMdzcu6RYUhiy4RgSMLIOucGDw5r93c+JIrCxt7SKRX/02H7KsTxxjOTlSeQccc11954p0fT9di0e7umjvZViZU8iQqBKzJHlwu1dzIyjJHOB3GfLp1JNXSZlSpKlHl5r6v8ArqcY/wAONWabxm5vY5H1yyvLe2d51CkzklBKqwB/3YIUMZJMLnCjOBpWPgAaX4tTVdOis7aKPVWnURFlYWjWPltFgDHNz+9I6H72d3FbknjHQojqXmXpUaXDLPdMYJNoSL/WlTtxJsPDBNxB4PPFJY+NNC1LVE061u5Ptbu0axy2ssWXVd5XLqBu2fOB1K/MMjmtXKpbY10OStfhxd2sOkXM7WbX2k6bo1rFPGzlozazO11sIXOHicoP72SCAKpan4P1/wAU+A4rXT4rWyaa81S7T+0o/Lngaa5lkt5F3RuUO18kYVxuGGUrg9lZ+PNDnGlRXF2sd1qVpbXMaxxTPFifIi/emNQAzKyrvCknAwCQKnfxdptpo7alqMjR2y3VxbNLbwTTJH5MrxszkRjYB5Z3EgKCDhmADF89RPVC0MK/+HUOp+KrjU9QtrG4hudW+0TCQEtJaf2esHlHjn98ivtzjCqc5AFUrrwN4kuj4RE11p0j6JBYi4umYmdpYpEM+12iLFXRSBhkJOQ2Qxx09/450DTdRuLG7u5xc28nlSJHZTSfP5ay7AVQhm8tg20ZOA3HynFubxPpMI05muXaHU9n2W4jgkeF95ATMiqUXcWUDcRkkAdaXPUVtB6HNaX4Y/4RDWZfEEyLskOotfCxglnluDPerLbHy0Qs5RC4PHy7jjIyauaiD46a1t9Nu9T0u1srhbm4mk06S2lZ15iVBcw7GAYbicHBVPXNa+meK9G1jVbjTdPu2ku7cyh43gkjz5chjk2llAcK42kqTjI9RlniTxNB4ZOmNeQySQ312bZniR5GixBLLuCIrM/+q24A/iz2xSvJy1WoHJaT8OtZ0vxNb3Z1SK6sNPFtDbQykZnije4OZQsYUNGLj92F4ygyBxiOy+HWrnRv7M1VtNlgjtdGsUCO5E0NjdPI7OCvBeNhhRkZyM45PanxTowxi+Vg0dpIrIjMGW6kMUBBAwQ7gj26nA5qn4e8baZruk6Rc7/IudTjh224DSCOaS3Nx5W8KASI1Ynp2zjcAXz1N7BoY1n8O2+06XHfzuljpyanFHHY309uyxz3UckEYMZUlFiTaVJwCFABABDtW8B3Fz410PUtOmWDTNMhghjto5UjNuInZvkzC5IZSqMqvHlVwSR07HTtQttW0u11HT5fNtLyFJ4JNpXejqGU4IBGQRwea4+H4hzzab4p1FbLTJIPDyXpeCHVS90WgeRVEsXlARCQRMwO5uMcHnApVG/66hoZV/8ACya6gvniXT1vbiHV2SfcwYXM90JrOUkLnMQL89VLHbnJNbGo+BDq+syyapHZ3WnTa8NSkt5ctviGm/ZdpGMbvMAbHTbznPFdJpusR6vczmwVZbGFjF9rEmRJKDhlUdwOhbPXgZ5NYB+ItjBPp0moQNbafqVvc3NvdjfJ+6ikhVXZVQ7VcTF9xOFVQSeTtOao3ZBoYlh4e1+Wx1TThHDPeR6DpWly3OoRsbe7miaZp9pdCXBWUYcow3NyDgion+F+oz+F7bT7qSwlubPTdWt7V2Y7YJridJLV12xgKI1TqqjaQNowBjrvEXjbTNA0fVbrf9oudP8AOj+zYZfMnjtDd+Vu2kDMQ3buR268VZn8X6HbRzyTX2I7e3ubmRxE5Xy7YqJmBC/NtLqOM5OQMkHD56m6X9WDQzLCO08CyalDJBdCxv743FjBp2n3F0IE8mFXDCKNghMokfHQ7ieu7E2naVHqnjOTxYjXccElhBbW8MhuLVt0clzvMsDBQwxKu3epxgkY4J6euSuPiDp0Gl6LMoW4utWFi8cMAlKLHcypGH8wxjAG9iu8IW2EYBziE5S23AboPhK90K/e/juUlnuL68e4ikkYx/Z5rmSZAny/I67wSBwxLAk4Vlr6n4e1DU9Q8QaQHktrbWLiC4e9VclbcRJHJCpKsu7dF91hgrMx5wRXTaPqv9qQ3Ilh+z3NpcNbXEO/dscYIwcDIZWRgcDhhwK0aXPJO73A8yvPhrrh1tJbbWxdWUAnnQXmxXuJZZreVoZVjiCeSzQMSVAOXPB5zLe+AtduotYtBNp/2a40/Wra0kMjhy9/Mky+Yu3ChSGUkE8AHHJA9Iop+2kFjhG+HmbqO3hdbXSYtdOoxQWd1NbvFCbAwlUaPaVYzszkBgCGYk5JFR+Lvh3Jqtto1poU32WzsGm3wm4CuWkZW85ZJIpj5qkOd2AxLk7xznv6KXtZXTCxwl/8OodT8VXGp6hbWNxDc6t9omEgJaS0/s9YPKPHP75FfbnGFU5yAKrjwBqlzpENpqtxaXbtp+h2t0ZJHfzms7lpbgklckMrYUnknOdvWvQ6KPayCx53p/h/VNO1iLTdPhQGw0vV47eaWJzaxC5u43tYskDcFjjwyrnaFx0K5h0T4a3cVhaWWuRabPZR622oSWaYaIQtYNAYwqxIp/esWxtAIJJyxOfSqKftZBY4Pw1orfD21W41LzJUuNOsba4GnW1xdtLexrL507KiE4YGMbyOdoBxxmLxZoU/xETTLrR57u2t7KSWOaK7gexk3N5ZEqefbuQyAHayqDljhxgg+g0UvaPm5uoWOEv/AIdQ6n4quNT1C2sbiG51b7RMJAS0lp/Z6weUeOf3yK+3OMKpzkAVSuvA3iS6PhETXWnSPokFiLi6ZiZ2likQz7XaIsVdFIGGQk5DZDHHpFFNVZBY4eHw9faFMNTmhjv0totZzawBneY3l6k8SAbcfdUqxOACe4yR03hzT5tJ8LaVpt3L509nZwwSy5++yIFJ/EjNaVFRKbktQCsSb/kpWj/9gi//APR1nW3WJN/yUrR/+wRf/wDo6zr0cq/3pek//SJE1PhOlooor1zMKKKKACiiigArnPFH/Ia8J/8AYXf/ANIbqujrnPFH/Ia8J/8AYXf/ANIbqtIbT/wz/wDSWJmzRRRXyJ0BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVi6b/yUfWv+wTYf+jrytqsXTf8Ako+tf9gmw/8AR15XrZX8VT/D/wC3RM59DpKKKK9QgKKKKACub1L/AJKPov8A2Cb/AP8AR1nXSVzepf8AJR9F/wCwTf8A/o6zp/Zn/hl/6SwNqiiivlDcKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDA8ef8k48Sf9gm6/8ARLV1Nct48/5Jx4k/7BN1/wCiWrqa+hwP+6L/ABS/KJlL4gooorpJCiiigAooooAKKKKACiiigDn/AB//AMk18Tf9gi6/9EtWZ4q1eGxgEmlWljqWp+esTQFkMoHPQZBJHHHXmtPx/wD8k18Tf9gi6/8ARLVw+s6Vrh8QXHlafcT27PIFRgDbnfKziQkN2BHbOR1rzc4qThhqXJG75pflA1pQU3JOVit4M8Nazc+JrO51eLUbK30tHa2EiqgJZsbDjJYbc5JPJ55rr77wgdT8byavd3kq2X2eyVbWJwBLLbzTSgyArnAaSNl2sOVOeOvIeH76SXxZpcN5etbpM5ktZo5WKXmAflCliQCDkbuoGa63V/GUuleLF0kack1uq2RluPtO11N1PJAm2Pad2GQEncOGJ7c+TSc2trP5dzGjGjCNqUrq+/mRf8K00JZPEDxh4jr8E8F00cMAkQT5MhWXy/MOSc4dmUHGBgAVq/8ACLWX9s/2l5tx539p/wBp7dy7fN+yfZMdM7fL5xnO7nOOK59viS4XxNKmhXRttDtryZJ2WVI52tiVaMu0YQFiDt2s/AJIBGKt2PjS+l8SppWo6LHbKb9tOaaK983bN9l+1L8pRcqYupzw3GCPmrRqr1N9CaHwFptpp8FtBNdMLa1022j3yKNy2MplhyQvVmOGOOR0ArLuPhlBr/heHTvE13KkplvppksWVot11M8rAeYhyULYV8K3BPGSKZpvxCunttE36W1xbXOnaVcXV3Jdr5qNfSNEnyLGquQ6gsRsGGJCjABdqnxFGgeF5NTlg+1vHe6grwSTHzTDbXEkbMgjhIIAVQNwUAMu5ycsatVT03FodJ/wi1l/bP8AaXm3Hnf2n/ae3cu3zfsn2THTO3y+cZzu5zjiseT4ZaRK2hb7u+K6FBaQ2qM0bA/ZnV0Y5QkMduGKFdwOD0GC/wDGupw+IbjS9P0KC62ah/ZsMsl/5XmTfY1u+R5Z2rs3DOScheDk7Y7j4kW6J4cmt7QSw63HaSMhkfzrZbl1SJiqxsmNzHlnX7rY3HiklV0sPQ0x4Z/siRNQ0RPtd/b/AG3yYby58qJvtdyk8u5ljYjDJ8uFPHBzncI7nRtW8SJb/wBvBNEmsLj7TZz6PqHnuXMUsTbvNt1AG2U44OT6Y5ZoPjG41fxBJp1zpa2sTm++yzpc+Z5otLkW8m5do2ElkI5bqfTmbxxrc2j6LFHYy3EV7fXCW8MltaNdSQg8ySCJVYttQMfukZ254NT73NbqBFN8P9KeXTzb3F7aRWMNnAIIZF2TJaSiWAPuUn5W3dCMhjnsRX0/4Z6PpOm2dlpVzfWS2bwywyQugYSxxNCZT8mC0kbFXOMHggKeax/D3xGub/xPZ6ddxSF7yytEeKSBoVtrjfdrOWJTcpPkIFRsE8Yxkmr0HxJa80WK8stKjlmlsdJuVhN5gB7+dofLLbDjYVznHOegq3GqtA0NS1tPEHh7T7PRtA0rTbzTdPtora3nvdWkimdURVy6rbMoPHY89eM4F2TwtZSeFdT8PtLcfZNT+2ec4ZfMX7S8jybTjAwZWxkHAAznvyevePNSm0Gw/se3uLTVZproTw21pJf+WbV3jZP3cbHY8yqgcqPlZjwRVjWfHs8x0yPQYlSK5fS55rmWQK6RXN4sXlrGVO5iqyK3IKZHfouSbsGh19rpFtY6hNdWQaATRqskEeBExUAK+3HDBQFyMZAAOcDHMr8PIrvSLHTtRvriOHTrWfTIRaSKBcWUhj/dyhkJB2RIh2kdCQQSNtS8+JV9ZpeTnw9HJa2yajPvW/8AnaGxuPJnbaY8BjlWVc85IJXAJv3vi2/tNVu7HTtPGoXLa2NNgiuLtYUX/iXrdEhljJA4IwdxySd2MKEo1EGhJrnw60zX7y9mur7UIUvTI81vDIgjMj2j2hkAZCQ3lPjrjKKcdcx3/wAM9HvdPksbe5vtPt3juoBHZuiqkNyq+bEoKEBSyK/qG74JFdHoeqxa74e07V7dHjiv7WK6RHxuVXQMAcd8GuCj1vxCvhDxtrsmoamj6cmqLYiaKz+ygwyzLG0QRfNJQRKD5vBJPDdQ4uo9L7Bodj9q8T/2p5f9kaT9g87Hn/2rL5vlbvveX9nxuxzt34zxu71mD4d6akOlRQ32oRR6bBZW+1JExcpaSCSDzMpzhgfu7c7j7Y0dC1W41bUL57jzLPyCEXT5UAkVDysrnr8wzgA4GCD8wIXj9T8Z6x/wiejXOnTXDajrEb6kiW2nPdeRbhN8cJWNGIDFokLkd5CCCAAoqV7R0A7fQtLm09b+4vWja81G7a6n8okop2rGigkAnEcaDOBkgnAzitWvM7f4qYk8RzJbyXkNnbyajbLJ+5VYUsLebyQ205kMkj5B5UZJ6AVu3vja5F7JZ6NpcN/cf2x/ZcW+98pJD9h+1lywRsd0xg9M57UpU531C6OvorzXWviPMy6Jf6PHfLZtYw6pexRadJc7opSuIndEYRkR+a+SV5ROcE1rXfi+8n8d6ZpOnxxJYDU/stzcecrNcZ0+W4ChNvCcxHeG5KkYx1XspBc7SivP9L+JV9ex6fPdeHo4Le7h064d47/zGijvpDFCcGMbiJAQwyMLg5J+UF58QrrS7Bp00tr9Iv7XublpbtUeKCyuxE20CPDHa3yqcH5QCxOWp+ynewXPQKKK4HTPiXPqvh2bVYPD1zGv2iyitRP5sKXC3M6xKQ7xKNy7ssF3ryuHOciIwlLYDvqK43SvHkt1cSpq+mw6bEltezC4+2+ZGDZzCG43HYpVQzAq2DlckhcYMWj+OpNbn05GtHs5W1p9NnjjkJRsWMlwD+9iVyuNvG1DkZyV4avZyC529FeUt8QtVi0LwtdeZd3Ei6Ra6lq7W+mPOJ/MVMozRoVi+XzpP4eVQfdJrorvxfeT+O9M0nT44ksBqf2W5uPOVmuM6fLcBQm3hOYjvDclSMY6t0pL+uwXO0orz/S/iVfXsenz3Xh6OC3u4dOuHeO/8xoo76QxQnBjG4iQEMMjC4OSflBefEK60uwadNLa/SL+17m5aW7VHigsrsRNtAjwx2t8qnB+UAsTlqPZTvYLnoFFY2m39yfFGr6TdSecLeOC7gfaAVjmMi+WcAZKtC5z1wy5yRk7NZtWGFYk3/JStH/7BF//AOjrOtusSb/kpWj/APYIv/8A0dZ16WVf70vSf/pEiKnwnS0UUV65mFFFFABRRRQAVznij/kNeE/+wu//AKQ3VdHXOeKP+Q14T/7C7/8ApDdVpDaf+Gf/AKSxM2aKKK+ROgKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsXTf+Sj61/2CbD/0deVtVi6b/wAlH1r/ALBNh/6OvK9bK/iqf4f/AG6JnPodJRRRXqEBRRRQAVzepf8AJR9F/wCwTf8A/o6zrpK5vUv+Sj6L/wBgm/8A/R1nT+zP/DL/ANJYG1RRRXyhuFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBgePP+SceJP8AsE3X/olq6muW8ef8k48Sf9gm6/8ARLV1NfQ4H/dF/il+UTKXxBRRRXSSFFFFABRRRQAUUUUAFFFFAHP+P/8Akmvib/sEXX/olqTxLp2p6npIh0TUP7PuVlV/MIOGUZypwcjOf0pfH/8AyTXxN/2CLr/0S1a1ceZ/7vS/xT/KA4pSumcD4S+HUmi642pas1jdOqnyvKibKOWDF8t0PGOK6l/DemS+J21+4to57/7PFBG8sat5AjaUhkJGVY+cwJB5AH46tFeFzMuFONOPLHYzzoGjtcXs7aTYma/jMV5IbZN1yhGCshx84xxg5FT/ANnWX2j7R9jt/O877R5nlLu83y/L35xnd5fyZ67eOnFWaKLssof2JpiwCKLT7WJVjhiTZboNiwtuhAGMYjY7lHRTyKo23gzQ49Hg06/sYdVSF5pBJqMKTOzzMzSucrgFy7ZwAOcYxxW7RRzPuBW/s6y+0faPsdv53nfaPM8pd3m+X5e/OM7vL+TPXbx04qs3hzQ3ktJG0bT2eyRI7Vjapm3RCGRUOPlClVIAxggY6VpUUXYGddaLbyW7LYN/Zdz+88u8s4IvNi8yQSS7d6MvzsoLZByeeuCI9M0SSxuGuL/VrvV5gu2GS9htw0AP3ghiiQ4bC5zn7q9K1aKOZ2sBS/sbTPtU1z/Z1p59w8ck0vkLukaM5jZjjJKnkE9O1Rw+H9GtjKbfSLGIzSJLKY7ZF8x0cyIxwOSrksCejEkc1o0UXYFa306ytJnltLO3gkkzveKJVLZdnOSBzl3dvqzHqTVeTw9o000Es2kWEkls5kgdrZCYmL7yynHyneA2R3561o0UXYFJ9F0uSN45NNs3SRJo3VoFIZZm3TKRjkOwBYfxHk5qT+zrL7R9o+x2/ned9o8zyl3eb5fl784zu8v5M9dvHTirNFF2Bgz+GrnzAumeI9T0mzjRY4bGygsxDAqqFCoHgZgOOmTjtgYFap06yaxmsms7c2lx5nnQGJfLk8wkyblxg7izE56knPWrNFDk2BH9nhN0LnyY/PCeWJdo3Bc52564yM4qlpWh2WjLILNMb2O0sF3RoWLeWCBnYGZiAScbiBxgVo0UrvYCjDomlW5YwaZZxF5muGKW6DdKy7Gc4H3ivyk9SOKbZ6DpGnRxpp+lWNqkUvnRrBbIgSTy/L3jA4bZ8meu3jpWhRTuwKtpptjYQGGxsre2iKqpjhiVFIVQijAHQKoUegAHQVDHoGjxXsF5FpNil1bII4J1tkDxIFKhVbGVAVmGB2JHetCii7ApJoulxxpHHptmiRpDGirAoCrC26FQMcBGJKj+E8jFD6LpckbxyabZukiTRurQKQyzNumUjHIdgCw/iPJzV2ii7Axf7D1D+1PtX/CU6t5PneZ9j8q08rbuz5efI37ccfe3Y755q1BoGj2qzC20mxhFxMtxMI7ZF8yVWDLI2BywYAgnkEA1oUUczAp/2TpvP/EvteVmU/uV5Erb5R06OwDN/eIyc1HZ6DpGnRxpp+lWNqkUvnRrBbIgSTy/L3gAcNs+TPXbx0rQoouwKtpptjYQGGxsre2iKqpjhiVFIVQijAHQKoUegAHQVDHoGjxXsF5FpNil1bII4J1tkDxIFKhVbGVAVmGB2JHetCii7ApJoulxxpHHptmiRpDGirAoCrC26FQMcBGJKj+E8jFD6LpckbxyabZukiTRurQKQyzNumUjHIdgCw/iPJzV2ii7ApWWlw2N3e3SNJJPeyiSWSQgnAAVUGAMKAOB7knJJJu0UUr3AKxJv+SlaP8A9gi//wDR1nW3WJN/yUrR/wDsEX//AKOs69PKv96XpP8A9IkRU+E6WiiivXMwooooAKKKKACuc8Uf8hrwn/2F3/8ASG6ro65zxR/yGvCf/YXf/wBIbqtIbT/wz/8ASWJmzRRRXyJ0BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVi6b/yUfWv+wTYf+jrytqsXTf+Sj61/wBgmw/9HXletlfxVP8AD/7dEzn0Okooor1CAooooAK5vUv+Sj6L/wBgm/8A/R1nXSVzepf8lH0X/sE3/wD6Os6f2Z/4Zf8ApLA2qKKK+UNwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMDx5/yTjxJ/wBgm6/9EtXU1y3jz/knHiT/ALBN1/6Jaupr6HA/7ov8UvyiZS+IKKKK6SQooooAKKKKACiiigAooooA5/x//wAk18Tf9gi6/wDRLVrVk+P/APkmvib/ALBF1/6JatauPM/93pf4p/lAqG7CiiivBNQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsSb/kpWj/9gi//APR1nW3WJN/yUrR/+wRf/wDo6zr08q/3pek//SJEVPhOlooor1zMKKKKACiiigArnPFH/Ia8J/8AYXf/ANIbqujrG8RaNeasdNm029gs7nT7s3KPcWxnRswyRFSodD0lJzntWlO3vJu14yX3xaQmX6Kxf7N8X/8AQe0T/wAEs3/yVR/Zvi//AKD2if8Aglm/+Sq8f+y5f8/I/wDk3/yJpz+RtUVi/wBm+L/+g9on/glm/wDkqj+zfF//AEHtE/8ABLN/8lUf2XL/AJ+R/wDJv/kQ5/I2qKxf7N8X/wDQe0T/AMEs3/yVR/Zvi/8A6D2if+CWb/5Ko/suX/PyP/k3/wAiHP5G1RWL/Zvi/wD6D2if+CWb/wCSqP7N8X/9B7RP/BLN/wDJVH9ly/5+R/8AJv8A5EOfyNqisX+zfF//AEHtE/8ABLN/8lUf2b4v/wCg9on/AIJZv/kqj+y5f8/I/wDk3/yIc/kbVFYv9m+L/wDoPaJ/4JZv/kqj+zfF/wD0HtE/8Es3/wAlUf2XL/n5H/yb/wCRDn8jaorF/s3xf/0HtE/8Es3/AMlUf2b4v/6D2if+CWb/AOSqP7Ll/wA/I/8Ak3/yIc/kbVFYv9m+L/8AoPaJ/wCCWb/5Ko/s3xf/ANB7RP8AwSzf/JVH9ly/5+R/8m/+RDn8jaorF/s3xf8A9B7RP/BLN/8AJVH9m+L/APoPaJ/4JZv/AJKo/suX/PyP/k3/AMiHP5G1RWL/AGb4v/6D2if+CWb/AOSqP7N8X/8AQe0T/wAEs3/yVR/Zcv8An5H/AMm/+RDn8jaorF/s3xf/ANB7RP8AwSzf/JVH9m+L/wDoPaJ/4JZv/kqj+y5f8/I/+Tf/ACIc/kbVYum/8lH1r/sE2H/o68o/s3xf/wBB7RP/AASzf/JVTaJompWWtX+qaxqNreT3dvBbqtrZtbqixNK2SGlckkzHuOgrtwmE+r88pTTuraX7p9UuxMpXN6iiitxBRRRQAVyniK6/s3xro1/Pa301sun3sLSWljNc7HaS1ZQRErEZCNjP9011dFXBxTakrpprturef5Acv/wmOm/8+euf+CC+/wDjNH/CY6b/AM+euf8Aggvv/jNdRRXL9SwX8sv/AAJf/ID5pHL/APCY6b/z565/4IL7/wCM0f8ACY6b/wA+euf+CC+/+M11FFH1LBfyy/8AAl/8gHNI5f8A4THTf+fPXP8AwQX3/wAZo/4THTf+fPXP/BBff/Ga6iij6lgv5Zf+BL/5AOaRy/8AwmOm/wDPnrn/AIIL7/4zR/wmOm/8+euf+CC+/wDjNdRRR9SwX8sv/Al/8gHNI5f/AITHTf8Anz1z/wAEF9/8Zo/4THTf+fPXP/BBff8Axmuooo+pYL+WX/gS/wDkA5pHL/8ACY6b/wA+euf+CC+/+M0f8Jjpv/Pnrn/ggvv/AIzXUUUfUsF/LL/wJf8AyAc0jl/+Ex03/nz1z/wQX3/xmj/hMdN/589c/wDBBff/ABmuooo+pYL+WX/gS/8AkA5pHL/8Jjpv/Pnrn/ggvv8A4zR/wmOm/wDPnrn/AIIL7/4zXUUUfUsF/LL/AMCX/wAgHNI5f/hMdN/589c/8EF9/wDGaP8AhMdN/wCfPXP/AAQX3/xmuooo+pYL+WX/AIEv/kA5pHL/APCY6b/z565/4IL7/wCM0f8ACY6b/wA+euf+CC+/+M11FFH1LBfyy/8AAl/8gHNI5f8A4THTf+fPXP8AwQX3/wAZo/4THTf+fPXP/BBff/Ga6iij6lgv5Zf+BL/5AOaRy/8AwmOm/wDPnrn/AIIL7/4zR/wmOm/8+euf+CC+/wDjNdRRR9SwX8sv/Al/8gHNI4Dxb4jttT8Fa3YWOn65Lc3Wn3EMMf8AYV6u52jZVGTFgZJHWu/oorojGlTpqnSTSu3q097dkuwtW7sKKKKQBRRRQAUUUUAFFFFABRRRQBz/AI//AOSa+Jv+wRdf+iWrWrJ8f/8AJNfE3/YIuv8A0S1a1ceZ/wC70v8AFP8AKBUN2FFFFeCahRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYk3/ACUrR/8AsEX/AP6Os626xJv+SlaP/wBgi/8A/R1nXp5V/vS9J/8ApEiKnwnS0UUV65mFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAZfifTJta8I6xpVq0aT31jPbRtISFDPGVBJAJxk+hrO87xj/0A9D/8HU3/AMi10tFU/ZzgoVYKSV2r362vs12Qa9DmvO8Y/wDQD0P/AMHU3/yLR53jH/oB6H/4Opv/AJFrpaKj2OF/58r75/8AyQXl3Oa87xj/ANAPQ/8AwdTf/ItHneMf+gHof/g6m/8AkWuloo9jhf8Anyvvn/8AJBeXc5rzvGP/AEA9D/8AB1N/8i0ed4x/6Aeh/wDg6m/+Ra6Wij2OF/58r75//JBeXc5rzvGP/QD0P/wdTf8AyLR53jH/AKAeh/8Ag6m/+Ra6Wij2OF/58r75/wDyQXl3Oa87xj/0A9D/APB1N/8AItHneMf+gHof/g6m/wDkWuloo9jhf+fK++f/AMkF5dzmvO8Y/wDQD0P/AMHU3/yLR53jH/oB6H/4Opv/AJFrpaKPY4X/AJ8r75//ACQXl3Oa87xj/wBAPQ//AAdTf/ItHneMf+gHof8A4Opv/kWuloo9jhf+fK++f/yQXl3Oa87xj/0A9D/8HU3/AMi0ed4x/wCgHof/AIOpv/kWuloo9jhf+fK++f8A8kF5dzmvO8Y/9APQ/wDwdTf/ACLR53jH/oB6H/4Opv8A5FrpaKPY4X/nyvvn/wDJBeXc4tte8Tp4gTRn0XRVu5LY3UYbWJgsiBgrYP2XkqSuR23D1qpN4w16DQJ9XfRtHNtDdSWe0avMXeZJzBsVfsvJMi4HrkVteNrC5fTINZ0qIy6nosv2u3jXrOgBEsP/AAOMsB/tbT2ri/h7eweN76OWyfztF0bVNRvt4Hyz3U15O0I/4BE+/wCssZ7Uexwv/PlffP8A+SC8u52nneMf+gHof/g6m/8AkWjzvGP/AEA9D/8AB1N/8i10tFHscL/z5X3z/wDkgvLuc153jH/oB6H/AODqb/5Fo87xj/0A9D/8HU3/AMi10tFHscL/AM+V98//AJILy7nNed4x/wCgHof/AIOpv/kWjzvGP/QD0P8A8HU3/wAi10tFHscL/wA+V98//kgvLuc153jH/oB6H/4Opv8A5Fo87xj/ANAPQ/8AwdTf/ItdLRR7HC/8+V98/wD5ILy7nNed4x/6Aeh/+Dqb/wCRaPO8Y/8AQD0P/wAHU3/yLXS0Uexwv/PlffP/AOSC8u5zXneMf+gHof8A4Opv/kWjzvGP/QD0P/wdTf8AyLXS0Uexwv8Az5X3z/8AkgvLuc153jH/AKAeh/8Ag6m/+RaPO8Y/9APQ/wDwdTf/ACLXS0Uexwv/AD5X3z/+SC8u5zXneMf+gHof/g6m/wDkWjzvGP8A0A9D/wDB1N/8i10tFHscL/z5X3z/APkgvLuc153jH/oB6H/4Opv/AJFpun6fr9x4utdV1m0020gtbG4tlW0vpLhnaWSBskNCgAAhPc9RXT0VcFQpPmp00nqr3l1VnvJrYNXuwoooqQCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDL1bw7Za1LHJeT6lG0a7VFnqlzagj3EUign3Oa4v4e+A9Et9CnktW1W32axqChINavI0IjvZY1yiyhWO1FBJBzjnPNekVzfgP/kXbr/sNar/6cLigDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm/Af8AyLt1/wBhrVf/AE4XFdJXN+A/+Rduv+w1qv8A6cLigDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm/Af/ACLt1/2GtV/9OFxXSVzfgP8A5F26/wCw1qv/AKcLigDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm/Af/Iu3X/Ya1X/04XFdJXN+A/8AkXbr/sNar/6cLigDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKK53xZPfLPoVnp2oz6d9v1FoJprdI2fYLaeTA8xGUfNGvOM1F/YOrf9Dnrf/fix/wDkanUdKko+0mldX67Xa6J9gV3sdPRXMf2Dq3/Q563/AN+LH/5Go/sHVv8Aoc9b/wC/Fj/8jVl7fDf8/V90v/kR2l2OnormP7B1b/oc9b/78WP/AMjUf2Dq3/Q563/34sf/AJGo9vhv+fq+6X/yIWl2OnormP7B1b/oc9b/AO/Fj/8AI1H9g6t/0Oet/wDfix/+RqPb4b/n6vul/wDIhaXY6eiuY/sHVv8Aoc9b/wC/Fj/8jUf2Dq3/AEOet/8Afix/+RqPb4b/AJ+r7pf/ACIWl2KXxZn8T2Pw8vtS8E37Weo6f/pLAQRy+dEoO9cOpAwDu4Gflx3ryv8AZ58Q+OfFOrzvqWsu2h2zzXU0ItYVE0s0jsfmCbuZGkfgjG3GMEV7CdA1VlIbxnrZB4IMFjz/AOS1Y/hr4bReD9OksPDniXWbK2klMzosdm+XIAzlrcnoAMdABxR7fDf8/V90v/kQtLsd/RXMf2Dq3/Q563/34sf/AJGo/sHVv+hz1v8A78WP/wAjUe3w3/P1fdL/AORC0ux09Fcx/YOrf9Dnrf8A34sf/kaj+wdW/wChz1v/AL8WP/yNR7fDf8/V90v/AJELS7HT0VzH9g6t/wBDnrf/AH4sf/kaj+wdW/6HPW/+/Fj/API1Ht8N/wA/V90v/kQtLsdPRXMf2Dq3/Q563/34sf8A5Go/sHVv+hz1v/vxY/8AyNR7fDf8/V90v/kQtLsdPRXMf2Dq3/Q563/34sf/AJGqtJHq+j+ItAV/Emo6hBfXz280F1DahSotZ5AQY4VYENGvf1rSnOhVlywqJuze0uiv/L5Cd1ujsKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOc8Uf8hrwn/wBhd/8A0huq2a5/xs95HfeF202CC4uRq7bI7iYxI3+hXOcuFYjjP8J9OOtL9s8X/wDQD0T/AMHU3/yLXLmOHnU9k4tfD1lFfal3aKg7XN+isD7Z4v8A+gHon/g6m/8AkWj7Z4v/AOgHon/g6m/+Ra8r6nU7x/8AA4f/ACRfMjforA+2eL/+gHon/g6m/wDkWj7Z4v8A+gHon/g6m/8AkWj6nU7x/wDA4f8AyQcyN+isD7Z4v/6Aeif+Dqb/AORaPtni/wD6Aeif+Dqb/wCRaPqdTvH/AMDh/wDJBzI365Txzqk+knQJoNSg01X1Mxyz3W4whTa3B/eAMuVyAcEgZAORjNXPtni//oB6J/4Opv8A5Fo+2eL/APoB6J/4Opv/AJFrow1GdGqpy5WtdOeHVNdW/wAhSaasc1N8SJ7LQtTu9Rawt5o9Ka507eGVb6ZZLhSUBbLIVihcKOQsnJ5Bq1d+IdV0+78X/YwJpLSeR7RLgNIsjrp8MiwRqCMEsSxHGcnAJLFdv7Z4v/6Aeif+Dqb/AORaPtni/wD6Aeif+Dqb/wCRa9DmpKTcaMdb6e0hbeLX/pL9bvYjXv8AgGi+KLXXvEWoWml3VreWNraW0yz27b8ySPOGUsDg4EScDoSc+2/WB9s8X/8AQD0T/wAHU3/yLR9s8X/9APRP/B1N/wDItebWwznO9NRitNOeD2Vt7rd67FqWmv5G/RWB9s8X/wDQD0T/AMHU3/yLR9s8X/8AQD0T/wAHU3/yLWP1Op3j/wCBw/8Akh8yN+isD7Z4v/6Aeif+Dqb/AORaPtni/wD6Aeif+Dqb/wCRaPqdTvH/AMDh/wDJBzI36KwPtni//oB6J/4Opv8A5Fo+2eL/APoB6J/4Opv/AJFo+p1O8f8AwOH/AMkHMjfrC13/AJGLwn/2FpP/AEhuqb9s8X/9APRP/B1N/wDItZ13ca7L4q8KrrGm6dawf2nIVe11B52LfYrngq0KADGec9hxzx35fhakMRzNx2l9qL+y+iZE5Kx3VFFFegSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc54o/5DXhP/sLv/6Q3VYfgXxRrXiJLSbUIo3trnT1uXlj0ye0WCU7CIw0rMJgQzHenHyf7Qrc8Uf8hrwn/wBhd/8A0huq0bCxt9M022sLGPyra1iSGGPcW2ooCqMnk4AHWscwrUoUowlG8nFWfb3ql/PttbbXTRuCbf8AXkQau+ppZqdFjgkuPMXcJwduz+LoRz6e/XjkX6KK+bOhyvFRtscLL8Q2Oj6E9jay3V1qMWlzzzGAJFBFdzpECy+YSrMPN2gFwCvJI691XPt4H8PMumr9hZV0uOCK1C3MqhUgYPCGw3z7WUEb89/U56Crk4v4SAoooqBhRRRQAVjX+tvptxfx3Eat5Vus9qq8GbJ27P8Ae37R2/1i1s1UvNLs7+4tp7uHzJLV98LbiNpyD2PPKqcHPIB7UiJqTXu7mFN4tW08VWuj3NzYbiI4rhRJtkM0ikrsUnO3hR0P+sXng1FpPiXUb7xELN/KeI3V1E0a2MsZijid0D+czFJOVQEKOC/sa6FtKs3tLi2aHMVy5klG85Zic5znIPAxjpgYxgUR6VZReV5cO0wzyXCEO2Q8hYuevQl246c9OBRqYezq81+bT+tPuMI6/qi+F7rXCLJoX0uS/tYtrB4yE3BX+Y7xyMkbcdMc5p0/jGGI6xNseO20+zhmT7VbyWzNJI0q7T5gX5SUQA4xknn00h4b0oR3aG2ZkvIWglVpnIEbZyi5PyKc9FxVmXSrKe/F7LDun/d/NvbH7suU4zjgyOfqR6DBqHJW7/1qcy/jCeXQ7CezubN55L97K5mt7aS8jBWOR9yJG24g7FPU4Dc9KsDW9cl0C31KFbEeYpMcLRSb7xtzBAg3Dy9yhW53Y3HIAUk7z6VZPqC3rQ/6QkgkDh2HzBGQHGcZ2yMPy9BinN4V0qa4SfZdRSIHVTb308O0MxZgAjjgk5/L0FGovZ1u/wCZNqV/cxX1rY6ckL3M6SS/viQoRAoPI55Z0HfAJODjByDrGtrdrYCSwklmult47xLd/KVvLlkkUp5mWKiIDIYDL9iCK2tR0pNQmglMjRvEHjYqSN8TjDpkEEZwpBByCoNVYvCmlQ2ItI1vPJVlZAb+cmIrkDYxfKcEj5SMjrQVONRy029SLTtbupXsRepDi5nuLNjEpGJ4WkGRkn5WWJz6jA5OeF13/kYvCf8A2FpP/SG6q1DokFvc2RhJW2sVcww8t+8bILliSScFh/wJiSc8Vdd/5GLwn/2FpP8A0huq9HLP95XpL/0llJSULS8v0/U6eiiivaAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA5zxR/yGvCf/YXf/0huq2axvFH/Ia8J/8AYXf/ANIbqtmvOzbel/h/9ukXT6hRRUF7ZxahYzWlz5nkzIUfy5WjbB64ZSGH1BBrxjQ860/4g3dtpOgQzrbRy6jpuiS2yymV2ma5uBFcgM7ln2I0ZBJJBcFi2ahuvGmtP4p1ZrSS3ln0zSNYeDSY0kLeZDLAsJmUN85cDcuAp2ykDrk+mWlrBY2UFpZxJBb28axRRIMKiKMBQOwAGKmrb2kb35RWOBg8XNr/AIi006beRyafH4jNpHLaudtzCdJef5+cN+8fPp8q8ZGa76iq1rqNlfbfsV5b3O6GO4XyZVfMT52PwfuttbB6HacdKzk09kBZoooqRhXN63qF1peoTQQyMX1OJUstxJEc+4Ifww6vj/Yc10lMWaJmkVZELRHEgDD5DjPPpwQfxpGc48ysnY4651O/tdfS5gjv5dI09ktJZ/OQxMuCJXcF9zMrFOdpxsfnk1Forah/wkUNxcSypbTajfRiV9QllWYJLKqxeSw2R4xkFT0j7ZxXZLe2ryRRpcws80fmxKJATInHzKO45HI9RUMGtaXdX8ljbalZzXcZIe3jnVpFIOCCoORg9aDD2S5k3Lqcf/aH/FKarPFqd4dXXRZpb2JZ2ZbacJn1/dMG3YVccDOOAatXmr61BqGrxTQIl7JZ2sVlbWl0Zl8x3uBvG9UAbC5PbCDn06hdW05jdBb+1P2ME3OJl/cAckvz8vQ9fSp/Ph814vNTzI0Dum4ZVTnBI7A7W59j6UAqT6T/AK1OFmudSns9N0ho7xLuLU2jMNzqDQSzQGCd4y80JY/w9QTlo+cVFLqNrHpFpb6h4ikstWeNxEkuoGNLUiVhlySPNKcJhs7tnQZY120+s6Xa2EV7c6laQ2kxAiuJJ1WN8jIwxODkAn8KRtb0pFt2fU7NVuv+Pcm4Ued/u8/N+FIj2KX2/wDhtCjrlyRqNpay3kljam3uLmW4jfaQYwgAyeP4y/PHyc5GRXM/brS9024bSfE6Q6dJPCGkuL+SVoQA7FmdXDRhyFG0unCnkFttdxepZnyJL1kQxShoXZ9mHwQMHI6gkY7gkVEuvaQ1jLerqtkbWFgsk4uE2Ic4wWzgHkUzSpT5pO7X9L1OIu55TZ2xfUjEILeU29p9uulk1FvNcAxuJQW3BFK5aTaHHGME6t/NIvxC0azMjyQpqazoWYnYz2N6GQH0GwNjtv8ATFb0niTQ4baG4m1nT44Ljd5MrXSBZNpw205wcHg46Vm6lFaJ4k8NvZlGaTW5WmZX3EuLG5BBOeoAAx2wBXo5Z/vK9Jf+kshU1HaV9jr6KKK9o2CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOc8Uf8hrwn/wBhd/8A0huq2axvFH/Ia8J/9hd//SG6rZrzs23pf4f/AG6RdPqFFFFeMaHknhi08Y6j8L5LiyuNQW4vtM06S3a9vvPkmk+9cSI3mAoHjKgLvQhgTlSd1aF94e8YXHhywWG+1T7faaRqDoUuhbs14ZImtEkUTOHAAdcs7ggHcfmOe5t/EWiXmnz31prFhPZ243TXEV0jRxDG7LMDgcEHnsaJfEeiQR2bz6zp8aXwzaM90gFwMqPkJPzcso4z94eord1JX2FY597XxMvjtAIrl9IbVheG4W7Xy1t/7PaHyTGW3f69Q+ACuWDdc45p/Dfi+28GWljarqUctroekwR21neIoNzCJ/PRiJoyqkGIMyOpOFwWCkV6b/adh/an9m/brb7f5fm/ZfOXzdnTdsznHvjFZlp400C+1pdMtdTtZZJbeK4t5FuIzHdK7SqBEQ3zkGB8gDjj3wlOXRdgNTTlnXS7VbuMRXAhQSxiUyhW2jI3ty2D/EeT1qzWFB4x0abX7bRDeQx6ldLctDbGeNmYQSmNj8rHklWIHXCPkAowG7WTTW4wrntc02+mvmGnR5h1GEWt44cKYlD/AHxk5zsaQcc52enHQ1Sk1a2he+WctF9hiE0pYceWQTuHt8rD6qakzqKMlaTOfu9F1iTWn1i3Nsn2aZBb2hhzI0SBlKiTzAq7w7nBXuucY4XTNA1C21S2urqWaWBNQvZltSYgtv5kkpSUEDcQUc5UseZOgxgbH9vWw1W10+SKeOe5iEgDKMRkhiEY54YhH4GfuHnpmG08SxXWoJbGwvIY5bma2huZPL8uWSIuGAAcsP8AVvglR09xRoc/JSUr36/jp/wPIx20nUpPCd3pR0tRcQ6NLYx3TyJuuZCmBtweFJGTuxyRx1NPvNA1g3eqQw3k12uo2ttbfbLoRfulDzmQbYwmRtYD1y/XjjU/4Si2FhdXzWd4trBaPeRzbFK3ESjJKEN1xjAbaTn0q5caxa2txfRT70+w2qXUzkfLsYyAY75/dN+YoD2dJ/a/qz/S5zo8P6yrWVn9oEUdvqT3SXllGkYiR4JgVWOQv0d8d+HGMY4jfTr620pNKfQLi7SdJEvryCS33zAyOxA3OuA5Zm/2d+AM8jbfxLF/Z1lcwWF5PJeztbpaoI1lSRVdmVtzhRjy2B56jjNRv4sgXT/to07UGt0V2uJFjTFuEdkfcd3zEFGyE3HAz0IytCeSitpP/gaeXp8g15QNW0+S5thdWphuIhA2MPMyrsB3ccqJU54y+O9Zbafd6jHJeahoWoQ3BlhaSCC7hiJRFk2KjJJztZsklkJyCDxtrpr/AFOHT/KEkcsskpbZHCm9iFBZjj0AH1yQBkkCsq58YWtja3El/ZXdrLAYswTNErMJCwVg3mbAPkbOWGNpzTLqRp8zcpf1YzZ9H1Yqkgiv3vjA8drcJfALakyOyecu4F8KYw3Mm7aeO7JefvPiLpU0H/HsdUWMkdGnWwvN59/lMS59Vx2rRuPGdrb/AGFTZztPfIXihFxbA43YX5jKFbd1AVm49Kbqt9Hc+KfDkCqyS22suro4GcGwuiGGOoI6H2I6givRyz/eV6S/9JZKjT+y+x19FFFe0bBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHOeKP+Q14T/wCwu/8A6Q3VbNY3ij/kNeE/+wu//pDdVs152bb0v8P/ALdIun1CiiivGNDzbQPhreH4fpp2tX32bUJ9O063It4zH9lNqfMVSUky7b2YM6spIxjBGa0Ln4axXOgJprXsaFdI1DTy/kySDzLt43aYebK75VkJwXJO77wxUlv8SLUafpskthqF291p9heSTW9vGiL9rZkiBVpSVLSLt2gtjcPmIBYQ6x8QZ4tJlv8ASbVVVND1a+MV7Gd8dxZvFH5bBWxgO0gbBOdow2OT03quXz/r8CdDRTwRGnxCk8TG8MiyOJhbO037uXyBDuUCUR/cH8UbNyfmHGM2z+G0lpJpCjVo2t7Cx020lT7Hh5jZSPIjq+/5NzMMjDcAjPORftPHMV1qutiO1uRY6Xp9tcgXNpJZzO8jzhhi48sbcRJg8DJbk9BJo3jOLxBqujjTEX7BqFjfTsZMF1kt54ItoZGKEZkkyQWBwpBx1m9Vf18x6DtN8Iy6ZrNjfQ6gji3k1Myxtbn94l5ci4wDv+UoyqMkHcM8DIx09FFYuTe4wrI1bQv7UvbecXHkqoCXEYTPnxh1cKTnjlcd+GYd6165TxH4sutD1DUolghMFvpf2mKVweJyJiqNz90iE+nPHcYkxrShGPv7Fu58Jw3V1cXz3dwL+SdZ4pVlkEcZTHlgxB9rYAwcjnJ6Z4Ww8J2mnakuoW4hW8NxcSzTi3AaZJZGfYTnOVyoDei9MHFFxrtzD/aO2OI/ZdVtbJMg8pL9n3E89f3zY7cDg85yrvxrdW3h7WbgQ2/2+zuLhLWIhtskcbygMRnP3YJScEfcPSjQwk6EZXa13+5/noaX/CM3J0O70htT/wBDewextY1gx5SMu0M/zHewGBxtHXjnNNk8Faf9ouhZJDYWV4tus9taQ+TvETSN95CCCxdQSOcJjvxWuPE1/D4nuLMGEW0N9BahGsZvmEiREsbgHy1bMhwpGTgD+IGpdG16/wBR1mSKeVFhW7uYBEmkXAG2OR0X/SS3l5+UE8dcr1o0F+4cuW2u36d/w/AkfwVZSSRxSv8AabBbv7W1reBrje5heM5aRiTkurc5wVPrwN4b1KK3tLSw1O0jsbQEJbT2BdThiUJKyrnaMD0JGTzjFbwh4l1HXZIPtflSJJYpcyGOxltvIZtu1cyMRIDl8MvHye9dbRoaU4UakeaK3/roZWqWV2+qWd7YFfMjimtmLAERiTaRJgkbtrRrkZGQTVO20HVYrcmfU7Ga7WZZkuDpx+Z9rKS4MhJ4PGwpjGOhxXQ0UGrpRbuznJPC0rWkttHewrFdxSR3m61BdxI7u3lsGBTmRsA7wOMDOSamo2kw8e6Hfzp5Yl1MW8S5BykdlenccdMtI3HoB9K66sLXf+Ri8J/9haT/ANIbqvRyz/eV6S/9JZEqUYq6Onooor2hhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHOeKP+Q14T/7C7/+kN1WzXP+NrCz1O+8L2epWkF5bSau2+C4jEiNiyuSMqeDggH8KhtfCPgW+VmsvD3h64VTtYw2UDgH04X3Fc2Ywoy9k6kmny9Ip/al/eQ4X1sdNUF7Hcy2MyWE8dvcshEU0kXmKjdiVyN30yKx/wDhA/CH/Qq6J/4Lof8A4mooPBfgm6jMlt4b0CZFd4y0dhCwDKxVlyF6hgQR2IIryuTCfzy/8BX/AMmae8Sad4L0ew0qzsmhe4Nra2NqJXkYM62b+ZASAQMhyW4HOcHI4qabwhodxbzQTWO6OaG8gkXznG5LuQSXA+9/G4Bz1HRcCqreC/BK3SWzeG9AE8iNIkRsIdzKpUMwG3JALqCe24eoqX/hA/CH/Qq6J/4Lof8A4mq/2bf2kv8AwFf/ACYa9i1qfhnSdYN2dQtWka8ihhmZZnQlYZGkiwVIKlXdmBXByevAwab4a0nSZLeSwtTG9stwkTNM7lRPKssv3ic7nVTk5xjAwOKyNU8OfDzQ7VbnW9H8MadA7iNZbu1t4lZiCQoLADOATj2NPtvC3gG8+z/ZNC8Nz/aYmmg8qzgbzY1KhnXA+ZQXUEjgbh6ijlw9vjlb/Cv/AJMNex1NFcwfCfgMWJvDoHh0Wo6z/YoNg5x97GOvFIfCngJbGa9bQfDgtLfzPOnNnB5cflkiTc2MDaVYHPQg56VPs8L/ADy/8BX/AMmF5HUVn3+h6bqiXaX9qsy3kKQThmI3ojMyjg8YLscjB59hWZD4L8E3Ac2/hrQJRG5jfZYQttYdVOF4I9Kk/wCED8If9Cron/guh/8AiaXJhP55f+Ar/wCTE05KzSL0uhadPqYv5YGM4ZXOJXCMy8KxQHazDjBIJGB6VDN4V0a4LmayDGRJ42/ePyszM0nfuXbntuOMVX/4QPwh/wBCron/AILof/iaP+ED8If9Cron/guh/wDiaOTCfzy/8BX/AMmQ6ae8V/XyLj+HtNk1R794pjNJKszr9pk8tpFChWMe7ZkBF5x2FLa6BY2V811bG7R2keUx/bZjFucksfLL7OSxPTqc1S/4QPwh/wBCron/AILof/iaP+ED8If9Cron/guh/wDiaOTCfzy/8BX/AMmP2avflX9fI07XSrKyW1FrD5Ys7f7NDh2O2Pj5Tzz90dcn8zVysD/hA/CH/Qq6J/4Lof8A4mj/AIQPwh/0Kuif+C6H/wCJo5MJ/PL/AMBX/wAmUk1sjforA/4QPwh/0Kuif+C6H/4mj/hA/CH/AEKuif8Aguh/+Jo5MJ/PL/wFf/Jj97sb9YWu/wDIxeE/+wtJ/wCkN1Tf+ED8If8AQq6J/wCC6H/4ms678M6Fo3irwrcaPomnWE7anIjS2tokTFfsVydpKgHGQDj2Fd+XxwyxHuzk3aX2Uvsv+8/yInex3VFFFegSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcl49tpbxtAtbcqss1/PGhc4UMdPuwM+2TXE6pp/jTWtclez0hrN4wyrcXN5Lbu6biyrvt5NuBnaM5I3E87cP6B4o/wCQ14T/AOwu/wD6Q3VbNcmY1nTdLT7P/t0ioK9zC8I2Otadoi2/iG8F3cIcK+SSF9MkkkDoCxZsD5mY5J4+x8NeKoo/EttZ/bNO+2Qat9nlkvwY3nnuXe2kiVWJiKqzFjhTl16kcem0V4zrNycrLU0seWXekeN9S8UPrUdncWMIaci1lu42k8hk04mCNkkxGXaC4+YHAO48bga2bGfWdE8QNdeKJzZaJZjUjJf3eoIIJPPu4nthgtkbYy0Y3AYwVHBGe6opOrdWaCxxer3Fp43u9E/4RHxDBN/Zup+fd3WlXVvNJao1rcopwwdfmZguCpOCSOmRXv8AwLeLqGlW2jXs0FpBYagtxdy7WaWWee3l2uBtOHZZC2wDgEDbkV3lFL2jWwWOT11pV0zw7c31mLK0tdRie/tgyskShHVDkcbFmMLZ4wFyQMEDmvFvh3xbqnhG5sUhvrxpxrMfkQ6gsZJlmc2jOxcBohESuwk43KNvy8eo0URqONrILHO6N+98aeIbi1/48ittCxHR7pA/mkeuEMCk+qEdQa6KiiobuxhRRRSAKKKKACiiigAooooAKwtd/wCRi8J/9haT/wBIbqt2sLXf+Ri8J/8AYWk/9IbqvRy3/eV6S/8ASWRP4Tp6KKK9kzCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOc8Uf8hrwn/wBhd/8A0huq2axvFH/Ia8J/9hd//SG6rZrzs23pf4f/AG6RdPqFFFFeMaBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYWu/8AIxeE/wDsLSf+kN1W7WFrv/IxeE/+wtJ/6Q3Vejlv+8r0l/6SyJ/CdPRRRXsmYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBznij/kNeE/+wu//AKQ3VbNY3ij/AJDXhP8A7C7/APpDdVs152bb0v8AD/7dIun1CiiivGNAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsLXf+Ri8J/wDYWk/9Ibqt2sLXf+Ri8J/9haT/ANIbqvRy3/eV6S/9JZE/hOnooor2TMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA5zxR/yGvCf/YXf/wBIbqtmsbxR/wAhrwn/ANhd/wD0huq2a87Nt6X+H/26RdPqFFFFeMaBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYWu/8jF4T/wCwtJ/6Q3VbtYWu/wDIxeE/+wtJ/wCkN1Xo5b/vK9Jf+ksifwnT0UUV7JmFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc54o/5DXhP/sLv/6Q3VbNY3ij/kNeE/8AsLv/AOkN1WzXnZtvS/w/+3SLp9QooorxjQKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArC13/kYvCf/AGFpP/SG6rdrC13/AJGLwn/2FpP/AEhuq9HLf95XpL/0lkT+E6eiiivZMwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDnPFH/Ia8J/9hd//SG6rZrG8Uf8hrwn/wBhd/8A0huq2a87Nt6X+H/26RdPqFFFFeMaBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYWu/8jF4T/7C0n/pDdVu1ha7/wAjF4T/AOwtJ/6Q3Vejlv8AvK9Jf+ksifwnT0UUV7JmFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc54o/wCQ14T/AOwu/wD6Q3VbNY3ij/kNeE/+wu//AKQ3VbNedm29L/D/AO3SLp9QooorxjQKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArC13/kYvCf/YWk/wDSG6rdrC13/kYvCf8A2FpP/SG6r0ct/wB5XpL/ANJZE/hOnooor2TMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKK4fx5b2Og6FDdabpOmpK9ysZLWcbfKVY9x7CvP/APhJZ/8AoH6T/wCC+L/4mk5WA94orwf/AISWf/oH6T/4L4v/AImj/hJZ/wDoH6T/AOC+L/4mlzID3iivB/8AhJZ/+gfpP/gvi/8AiaP+Eln/AOgfpP8A4L4v/iaOZAe8UV4P/wAJLP8A9A/Sf/BfF/8AE0f8JLP/ANA/Sf8AwXxf/E0cyA94orwf/hJZ/wDoH6T/AOC+L/4mj/hJZ/8AoH6T/wCC+L/4mjmQHvFFeD/8JLP/ANA/Sf8AwXxf/E0f8JLP/wBA/Sf/AAXxf/E0cyA94orwf/hJZ/8AoH6T/wCC+L/4mj/hJZ/+gfpP/gvi/wDiaOZAe8UV4P8A8JLP/wBA/Sf/AAXxf/E0f8JLP/0D9J/8F8X/AMTRzID3iivB/wDhJZ/+gfpP/gvi/wDiaP8AhJZ/+gfpP/gvi/8AiaOZAe8UV4P/AMJLP/0D9J/8F8X/AMTR/wAJLP8A9A/Sf/BfF/8AE0cyA94orwf/AISWf/oH6T/4L4v/AImj/hJZ/wDoH6T/AOC+L/4mjmQHvFFeD/8ACSz/APQP0n/wXxf/ABNH/CSz/wDQP0n/AMF8X/xNHMgPeKK8H/4SWf8A6B+k/wDgvi/+Jo/4SWf/AKB+k/8Agvi/+Jo5kB7xRXg//CSz/wDQP0n/AMF8X/xNH/CSz/8AQP0n/wAF8X/xNHMgPeKK8H/4SWf/AKB+k/8Agvi/+Jo/4SWf/oH6T/4L4v8A4mjmQHvFFeD/APCSz/8AQP0n/wAF8X/xNH/CSz/9A/Sf/BfF/wDE0cyA94orwf8A4SWf/oH6T/4L4v8A4mj/AISWf/oH6T/4L4v/AImjmQHvFFeD/wDCSz/9A/Sf/BfF/wDE0f8ACSz/APQP0n/wXxf/ABNHMgPeKK8H/wCEln/6B+k/+C+L/wCJo/4SWf8A6B+k/wDgvi/+Jo5kB7xRXg//AAks/wD0D9J/8F8X/wATR/wks/8A0D9J/wDBfF/8TRzID3iivB/+Eln/AOgfpP8A4L4v/iaP+Eln/wCgfpP/AIL4v/iaOZAe8UV4P/wks/8A0D9J/wDBfF/8TR/wks//AED9J/8ABfF/8TRzID3iivB/+Eln/wCgfpP/AIL4v/iaP+Eln/6B+k/+C+L/AOJo5kB7xRXg/wDwks//AED9J/8ABfF/8TR/wks//QP0n/wXxf8AxNHMgPTvG1/Z6ZfeF7zUruCzto9XbfPcSCNFzZXIGWPAySB+NL/wnnhD/oatE/8ABjD/APFV5h/wks//AED9J/8ABfF/8TR/wks//QP0n/wXxf8AxNTWhQxCj7RO8VbRpdW+z7jV1sen/wDCeeEP+hq0T/wYw/8AxVH/AAnnhD/oatE/8GMP/wAVXmH/AAks/wD0D9J/8F8X/wATR/wks/8A0D9J/wDBfF/8TXP9TwnaX3r/AORHzSPT/wDhPPCH/Q1aJ/4MYf8A4qj/AITzwh/0NWif+DGH/wCKrzD/AISWf/oH6T/4L4v/AImj/hJZ/wDoH6T/AOC+L/4mj6nhO0vvX/yIc0j0/wD4Tzwh/wBDVon/AIMYf/iqP+E88If9DVon/gxh/wDiq8w/4SWf/oH6T/4L4v8A4mj/AISWf/oH6T/4L4v/AImj6nhO0vvX/wAiHNI9P/4Tzwh/0NWif+DGH/4qj/hPPCH/AENWif8Agxh/+KrzD/hJZ/8AoH6T/wCC+L/4mj/hJZ/+gfpP/gvi/wDiaPqeE7S+9f8AyIc0j0//AITzwh/0NWif+DGH/wCKo/4Tzwh/0NWif+DGH/4qvMP+Eln/AOgfpP8A4L4v/iaP+Eln/wCgfpP/AIL4v/iaPqeE7S+9f/IhzSPT/wDhPPCH/Q1aJ/4MYf8A4qj/AITzwh/0NWif+DGH/wCKrzD/AISWf/oH6T/4L4v/AImj/hJZ/wDoH6T/AOC+L/4mj6nhO0vvX/yIc0j0/wD4Tzwh/wBDVon/AIMYf/iqP+E88If9DVon/gxh/wDiq8w/4SWf/oH6T/4L4v8A4mj/AISWf/oH6T/4L4v/AImj6nhO0vvX/wAiHNI9P/4Tzwh/0NWif+DGH/4qj/hPPCH/AENWif8Agxh/+KrzD/hJZ/8AoH6T/wCC+L/4mj/hJZ/+gfpP/gvi/wDiaPqeE7S+9f8AyIc0j0//AITzwh/0NWif+DGH/wCKo/4Tzwh/0NWif+DGH/4qvMP+Eln/AOgfpP8A4L4v/iaP+Eln/wCgfpP/AIL4v/iaPqeE7S+9f/IhzSPT/wDhPPCH/Q1aJ/4MYf8A4qs678TaFrPirwrb6PrWnX866nI7RWt2krBfsVyNxCknGSBn3FcD/wAJLP8A9A/Sf/BfF/8AE0f8JLP/ANA/Sf8AwXxf/E1vQo4ahPnipXs1uuqa/l8xNyase8UV4P8A8JLP/wBA/Sf/AAXxf/E0f8JLP/0D9J/8F8X/AMTV8yEe8UV4P/wks/8A0D9J/wDBfF/8TR/wks//AED9J/8ABfF/8TRzID3iivB/+Eln/wCgfpP/AIL4v/iaP+Eln/6B+k/+C+L/AOJo5kB7xRXg/wDwks//AED9J/8ABfF/8TR/wks//QP0n/wXxf8AxNHMgPeKK8H/AOEln/6B+k/+C+L/AOJo/wCEln/6B+k/+C+L/wCJo5kB7xRXg/8Awks//QP0n/wXxf8AxNH/AAks/wD0D9J/8F8X/wATRzID3iivB/8AhJZ/+gfpP/gvi/8AiaP+Eln/AOgfpP8A4L4v/iaOZAe8UV4P/wAJLP8A9A/Sf/BfF/8AE0f8JLP/ANA/Sf8AwXxf/E0cyA94orwf/hJZ/wDoH6T/AOC+L/4mj/hJZ/8AoH6T/wCC+L/4mjmQHvFFeD/8JLP/ANA/Sf8AwXxf/E0f8JLP/wBA/Sf/AAXxf/E0cyA94orwf/hJZ/8AoH6T/wCC+L/4mj/hJZ/+gfpP/gvi/wDiaOZAe8UV4P8A8JLP/wBA/Sf/AAXxf/E0f8JLP/0D9J/8F8X/AMTRzID3iivB/wDhJZ/+gfpP/gvi/wDiaP8AhJZ/+gfpP/gvi/8AiaOZAe8UV4P/AMJLP/0D9J/8F8X/AMTR/wAJLP8A9A/Sf/BfF/8AE0cyA94orwf/AISWf/oH6T/4L4v/AImj/hJZ/wDoH6T/AOC+L/4mjmQHvFFeD/8ACSz/APQP0n/wXxf/ABNH/CSz/wDQP0n/AMF8X/xNHMgPeKK8H/4SWf8A6B+k/wDgvi/+Jo/4SWf/AKB+k/8Agvi/+Jo5kB7xRXg//CSz/wDQP0n/AMF8X/xNH/CSz/8AQP0n/wAF8X/xNHMgPeKK8H/4SWf/AKB+k/8Agvi/+Jo/4SWf/oH6T/4L4v8A4mjmQHvFFeD/APCSz/8AQP0n/wAF8X/xNH/CSz/9A/Sf/BfF/wDE0cyA94orwf8A4SWf/oH6T/4L4v8A4mj/AISWf/oH6T/4L4v/AImjmQHvFFeD/wDCSz/9A/Sf/BfF/wDE0UcyA//Z)

#### Perancangan Algoritma

#### Algoritma #1

Nama Kelas : Pinjam\_controller

Nama Operasi : pinjam

Algoritma : (Algo-001)

Function pinjam(){

$data = //dari form input

Q-06

}

Nama Kelas : Pengembalian\_controller

Nama Operasi : constructor

Algoritma : (Algo-002)

Function constructor($email){

Q-01

$stat = 0;

Q-02

}

Nama Kelas : Pengembalian\_controller

Nama Operasi : hitung\_point

Algoritma : (Algo-003)

Function hitung\_point($email){

Q-03

$point = $point + 1;

Q-04

}

Nama Kelas : Pengembalian\_controller

Nama Operasi : cek\_denda

Algoritma : (Algo-004)

Function cek\_denda($email){

Q-05

$min = $date\_now – $date\_borrow

If (min>7){

$denda = 5000;

}

}

#### Perancangan Query

*{Jika mengacu query tertentu, lengkapi tabel query di bawah}*

*Query :*

|  |  |  |
| --- | --- | --- |
| No Query | Query | Keterangan |
| Q-01 | Select \* from peminjam join peminjaman using(email) where email = $email | Mengambil data peminjaman dengan id peminjaman tertentu |
| Q-02 | Update peminjaman set status = $stat where email = $email | Memperbarui status peminjaman menjadi 0 (tidak dipinjam lagi/sudah dikembalikan) |
| Q-03 | Select point from peminjam where email = $email | Mengambil point yang telah diperoleh peminjam |
| Q-04 | Update peminjam set point = $point where email = $email | Memperbarui total point peminjam |
| Q-05 | Select tgl\_pinjam from peminjaman where email = $email | Mengambil data tanggal peminjaman buku |
| Q-06 | Insert into peminjaman values($data) | Menambahkan data peminjaman baru |

# Matriks Kerunutan (Requirement Traceability Matrix)

Mapping requirement dengan Use Case yang direalisasikan

|  |  |  |
| --- | --- | --- |
| **Kode FR** | **Nama Functional Requirement** | **Nama Use Case** |
| FR-01 | Admin dapat melakukan edit akunnya | Kelola Akun Admin |
| FR-02 | Peminjam dapat melakukan edit akunnya | Kelola Akun Peminjam |
| FR-03 | Peminjam dapat melakukan pencarian buku | Peminjaman Buku |
| FR-04 | Peminjam dapat meminjam buku | Peminjaman Buku |
| FR-05 | Peminjam mengembalikan buku | Pengembalian Buku |
| FR-06 | Admin dapat melakukan penambahan data buku, pengeditan data buku maupun menghapus data buku | Kelola Data Buku |

# 