**Program No: 01 Date:16-08-2022**

**Aim**:Develop android application to implement button click using toast.

**Program Code:**

**activity.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn1"  
 android:textColor="@color/black"  
 android:background="@color/cardview\_shadow\_end\_color"  
 android:text="Button click" />

**mainactivity.java**

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {

@Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Button b=findViewById(R.id.*btn1*);  
 b.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Toast.*makeText*(getApplicationContext(),"buttonclicked",Toast.*LENGTH\_LONG*).show();  
 }  
 });  
 }  
  
 }

**OUTPUT**



**Program No: 02 Date:19-08-2022**

**Aim**: Design a login form with Username and Password using linear layout and toast valid credentials.

**Program Code:**

**activity.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<LinearLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

android:orientation="vertical">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Login"

android:textSize="@dimen/cardview\_default\_radius"/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="username"

android:id="@+id/et1"

/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="password"

android:id="@+id/et2"

android:layout\_marginTop="10dp"

android:inputType="textPassword"

/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Login"

android:id="@+id/btn"

android:layout\_marginLeft="140dp"

/>

</LinearLayout>

**Mainactivity.java**

package com.example.pgm2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

EditText et1=findViewById(R.id.*et1*);

EditText et2=findViewById(R.id.*et2*);

Button button=findViewById(R.id.*btn*);

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

validate(et1.getText().toString(),et2.getText().toString());

}

private void validate(String us,String pw)

{

if(us.equals("admin")&&pw.equals("1234"))

{

Toast.*makeText*(getApplicationContext(),"Login successfull",Toast.*LENGTH\_LONG*).show();

}

else

{

Toast.*makeText*(getApplicationContext(),"Unsuccessfull login",Toast.*LENGTH\_LONG*).show();

}

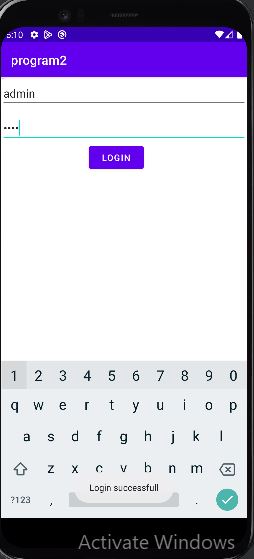
}

});

}

}

**Output**



**Program No: 03 Date:23-08-2022**

**Aim**: Write a program to demonstrate the activity life cycle.

**Program Code:**

**activity.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Hello World!"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintLeft\_toLeftOf="parent"

app:layout\_constraintRight\_toRightOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

**Mainactivity.java**

package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.util.Log;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

Log.*d*("lifecycle","onCreate invoked");

}

@Override

protected void onStart() {

super.onStart();

Log.*d*("lifecycle","onStart invoked");

}

@Override

protected void onResume() {

super.onResume();

Log.*d*("lifecycle","onResume invoked");

}

@Override

protected void onPause() {

super.onPause();

Log.*d*("lifecycle","onPause invoked");

}

@Override

protected void onStop() {

super.onStop();

Log.*d*("lifecycle","onStop invoked");

}

@Override

protected void onRestart() {

super.onRestart();

Log.*d*("lifecycle","onRestart invoked");

}

@Override

protected void onDestroy() {

super.onDestroy();

Log.*d*("lifecycle","onDestroy invoked");

}

}

**Output**



**Program No: 04 Date:14-09-2022**

**Aim**:Implementing basic arithmetic operation of a simple calculator.

**Program Code:**

**activity.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<LinearLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

android:orientation="vertical">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Simple calculator"/>

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Enter 1st number"/>

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:hint="Enter 1st number"

android:id="@+id/n1"/>

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Enter the 2nd number"/>

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:hint="Enter the 2nd number"

android:id="@+id/n2"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/t1"/>

<LinearLayout

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content">

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Add"

android:id="@+id/b1"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Sub"

android:id="@+id/b2"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Mul"

android:id="@+id/b3"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Div"

android:id="@+id/b4"/>

</LinearLayout>

</LinearLayout>

**Mainactivity.java**

package com.example.myapplication4;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

EditText t1=findViewById(R.id.*n1*);

EditText t2=findViewById(R.id.*n2*);

Button add=findViewById(R.id.*b1*);

Button sub=findViewById(R.id.*b2*);

Button mul=findViewById(R.id.*b3*);

Button div=findViewById(R.id.*b4*);

TextView tv1=findViewById(R.id.*t1*);

add.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Double a1 = Double.*parseDouble*(t1.getText().toString());

Double a2 = Double.*parseDouble*(t2.getText().toString());

Double r = a1 + a2;

tv1.setText("Result is: " + String.*valueOf*(r));

}

});

sub.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Double s1=Double.*parseDouble*(t1.getText().toString());

Double s2=Double.*parseDouble*(t2.getText().toString());

Double r=s1-s2;

tv1.setText("Result is: "+String.*valueOf*(r));

}

});

mul.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Double m1 = Double.*parseDouble*(t1.getText().toString());

Double m2 = Double.*parseDouble*(t2.getText().toString());

Double r = m1 \* m2;

tv1.setText("Result is" + String.*valueOf*(r));

}

});

div.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Double d1=Double.*parseDouble*(t1.getText().toString());

Double d2=Double.*parseDouble*(t2.getText().toString());

Double r=d1/d2;

tv1.setText("Result is" +String.*valueOf*(r));

}

});

}

}

**Output**

![Graphical user interface, text, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDiRXhpZgAATU0AKgAAAAgABAE7AAIAAAAIAAAISodpAAQAAAABAAAIUpydAAEAAAAQAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHZhaXNodXMAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzQzAACSkgACAAAAAzQzAADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIyOjExOjAyIDE3OjIxOjQ3ADIwMjI6MTE6MDIgMTc6MjE6NDcAAAB2AGEAaQBzAGgAdQBzAAAA/+ELGmh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjItMTEtMDJUMTc6MjE6NDcuNDI4PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPnZhaXNodXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgB2wD3AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A8V0uwzZ+bvwZCTjb2BxV37D/ANNP/HaltOLKD/rmv8qmr9iwOEpUsLTgl0X/AAfxPap0YKC0Kn2H/pp/47R9h/6af+O1bors9hT7F+xh2KzWjvjfMzbRgZGcD061JaLc2F1Hc2N5LbXEZyksLFHU+oIORUtFH1ek1awexh2K80EtzO89xcvLLIxZ5JMszE9SSTyaZ9h/6af+O1boo9hT7B7GHYqfYf8App/47R9h/wCmn/jtW6KPYU+wexh2Kn2H/pp/47R9h/6af+O1boo9hT7B7GHYqfYf+mn/AI7R9h/6af8AjtW6KPYU+wexh2Kn2H/pp/47R9h/6af+O1boo9hT7B7GHYqfYf8App/47R9h/wCmn/jtW6KPYU+wexh2Kn2H/pp/47R9h/6af+O1boo9hT7B7GHYqfYf+mn/AI7R9h/6af8AjtW6KPYU+wexh2Kn2H/pp/47R9h/6af+O1boo9hT7B7GHYqfYf8App/47R9h/wCmn/jtW6KPYU+wexh2Kn2H/pp/47R9h/6af+O1boo9hT7B7GHYqfYf+mn/AI7T1t5UjKJcOqHqoyAf1qxRR7Cn2D2MOxy+qWv2W9IByHXd0xzRV/xAM/Zz/vf0or8pzmhGhj6kIbXv96T/AFPIrxUKjSNO1/484f8Armv8q6TRNI0mfRrvVddvL2C3t7mK2CWdukju0iSMD8zqAB5fvnpx1HN2v/HnD/1zX+VdNonimTQvD15a2SR/bJ723nR5rWKdFWNZQeJAcNl1wQM8Hkd/03948JBUt7R/S/R9PI9jXkVvI1JPAtpBdNp8upynUZtbk0ezUW4ETMjwgyu27KjEv3QCc4561dsPhxp3iKSxfwxrcslpLftp9xLeWuxgyxNKZY1UnKlUbCkhgcA9cjj59f1S5mSaW9k82O8kvklTCus8m0vIGGCCTGh9scYrYi+IGtyaxZXd/eyqlteNeMLCKG1Z5WGGkO2PazEcEurZBI6E1hUo4/kvCetn236aW9OqtruS41LaM118AaPd2Nlqljq98um3lpf3f76zTzo1tsZXaJNrE5PcdO2eIbLwNpeq+H73UrHUbuFo7e5vbaO6jhUvDCXwu3zd7EhRl1XYp3DnHDPEvxBa8t7Gw8Oq1tZ2VrcW3myW0MTzrcY80GONfLQcYG3nqc5NYlt4y1y00o6db3USwfZZLPJtIjJ5Dli0fmFd+0licZ4zxWcKeYSpp81nfr2u/Le1v1ElVa3NqLwp4ci0+4kv9V1QT2VlaX9ysNlGVMc6xfIhMgJYGZfmIAwDwe+34T+HtsvjwTSwXOr6JaTWhQGzY+e1wiOocDKqsavvck4woB++K89fXNRkS5V7jK3VtFaTDYvzRRbPLXpxjyk5HJxznJyf25qP9tW2rfaP9OtTCYZdi/L5SqsfGMHAReo5xzmtZ4bFzhKPtd1/l2Sf82vS66jcJtNXLvjax/s3x5rloLX7JHHfzeVCI9gWMuSmF7LtIIxxgjFYdT317calqFxfXsnmXNzK00r7QNzsSScDgck9Kgr0aMZQpxjLdJGsU0kmFFFFajCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMfX+kH/Av6UUa/0g/4F/SivyjiD/kZ1fl/6SjxsV/Gf9dDtdL+H/iu90izurXQruWCeBJI5FThlKggj6g1a/4Vt4x/6F69/wC+K918G629r8PNERLhHkj0aF44kKlk22in94hUMi5AIbLBtw6BlFdWmoag8m/NqITctGF8ptwRZvKIzu5J4OccYxg5yO+nxTiYQUFCOnr/AJmixk0rWPl//hW3jH/oXr3/AL4o/wCFbeMf+hevf++K+lV16WbbJC8F4Y1Ept7TO/JhlJibk5O5OP5cZM9lrs1xoE99IkGY5ljEqOjIEO3MjBJGAChiSN/Rc5GeK/1sxX8kfx/zH9dn2R8x/wDCtvGP/QvXv/fFH/CtvGP/AEL17/3xX0zFr8r6vZ2ZezlSWPLyQsCH+Z1DKC4IGUHAD9SM8Bi3+3Xt4FZrmzOzyVkgc/vo1MkavI3zfd2uWyQMfKTnNH+tmK/kj+P+YfXZ9kfNH/CtvGP/AEL17/3xR/wrbxj/ANC9e/8AfFfQ7eKpBPdXUcsBjk2RQHcDHgTXQ3jc6qSyxLyXUHtnhTYsPEdxcQ3M9zfafaq88RjFwvFuj26y4PzDdnJAJxyGPooP9bMV/JH8f8w+uz7I+cP+FbeMf+hevf8Avij/AIVt4x/6F69/74r6s0q7nv0eaeEW64j2wMpEkZKBmDH1+bGMDGD68X9o9KP9bMV/JH8f8w+uz7I+RP8AhW3jH/oXr3/vij/hW3jH/oXr3/vivrvaPSjaPSj/AFsxX8kfx/zD67Psj5E/4Vt4x/6F69/74o/4Vt4x/wChevf++K+u9o9KNo9KP9bMV/JH8f8AMPrs+yPkT/hW3jH/AKF69/74o/4Vt4x/6F69/wC+K+u9o9KNo9KP9bMV/JH8f8w+uz7I+RP+FbeMf+hevf8Avij/AIVt4x/6F69/74r672j0o2j0o/1sxX8kfx/zD67Psj5E/wCFbeMf+hevf++KP+FbeMf+hevf++K+u9o9KNo9KP8AWzFfyR/H/MPrs+yPkT/hW3jH/oXr3/vij/hW3jH/AKF69/74r672j0o2j0o/1sxX8kfx/wAw+uz7I+RP+FbeMf8AoXr3/vij/hW3jH/oXr3/AL4r672j0o2j0o/1sxX8kfx/zD67Psj5E/4Vt4x/6F69/wC+KP8AhW3jH/oXr3/vivrvaPSjaPSj/WzFfyR/H/MPrs+yPkT/AIVt4x/6F69/74o/4Vt4x/6F69/74r672j0o2j0o/wBbMV/JH8f8w+uz7I+RP+FbeMf+hevf++KP+FbeMf8AoXr3/vivrvaPSjaPSj/WzFfyR/H/ADD67Psj4Z8b+G9Z8PCx/trT5rLz/M8rzRjft25x9Mj86K9d/auAA8KY/wCnz/2hRXzuNxc8ZXlXmrN228kl+hy1JupJyZ7H8PLqJvhv4cQE/utKtEckYAPkRnGfow/OtlNb0uRgI9RtXzC04KyqR5anBfOcYByM+x9DXK/D3RpB4M0G9V7PZc6TZl82n77At4ht8zf0ygONv+Nb154fN1B5S3RjGZmyqsDueZZVOVYEAFcHBBIPBWuIzL9rd6f+5tbS6gYmESRRpKGLR9Aw5yV96amsWDW9zO9wIIrWXypnuFMIRsA4O8DruXB6HIxVfR9E/sqWSTzhIZIljYBW6iSVy2WZmOTKepPT3wGXehNcLeGO5EclxdLco5Rv3ZESx4BVlbop5DL97HIyCAXIdX0+drxYr2FjYttufnGITjJ3HsOvPTII6g4fFqNlPCssF5byRujOrpKpDKpwzAg9ASAT2zWcPD7jTdWsjdqY9Qi2K3kgNGfJWIk4IB+4DgBccj6JeaBPcahNdQXqR+eksbq8BfCSJEpwQwwf3Oc8/e6UAXxrGmGZoRqNoZVlELJ567hIc4TGfvHB468GkXWNONtJO17bxpCFMxeVR5W7oG5+XOe9RQaOIUAM24iSdwdn/PSbzcde2Me/Wqlz4euLmIK9+qNEU8hoo3jKhQwO8pIGbIc9CuD68ggGvFeW01xJBDcRSTRAGSNHBZARkZHUZFTVnaPpK6RDNGjqyyMhCqpAQLDHHgZJJ/1eeT379To0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHzt+1f08Kf9vn/ALQoo/au6eFP+3z/ANoUUwPZ/h9/yTLwv/2B7T/0StdFXmlgNH/4Vr4J/tdIr24k0eCKz025lVYJpDDETLIGBAEYX7/O0OQAzMqlrrHZTeTqepfbtV086TBp15I/zyxu6I0iHJI82QSq+CSyjDEgCkB6bRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfO37V/Twp/wBvn/tCij9q7p4U/wC3z/2hRTA9n+H5I+Gfhfgn/iT2nT/ritb5ALBjHll6E4yK5b4e6gn/AArvw9GY3WODSbRZJ2KhFP2eNu5z0Ydq3k1vS5GAj1G1fMLTgrMpHlqcM+c4wDkZ9j6GkBc3H+436Ubj/cb9Kgg1KxuZUjtr23mkkj81EjlViyZxuAB5GeM1Vg8R6TcXy2sV9AzyRq8Teau2bczrhOfmIKHOPUUAaO4/3G/Sjcf7jfpUMeoWk9vNPbTpcRwllkMB8wqQMlcLk59utQJrVluSK5mS0uHk8oW9xIquXwp2jkhjh1+6T94UAXdx/uN+lG4/3G/SqsWq2VxqLWVtcxTTorGRY3VvL2kAhgDkHLdPY0621TT71Vazvra4DP5amKZWy2C23g9cAnHoKALG4/3G/Sjcf7jfpVJ9d0mNnD6pZKUQSODcINqnGGPPAO5cH3HrUn9qWInmhe7gSWBDJLG0qhkQdWIzwvuaALO4/wBxv0p1VYNU0+5ljitr62mkkQuiRzKxdckbgAeRkEZ9jVqgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD52/av6eFP8At8/9oUUftX9PCn/b5/7QopgeofDzRXTwdoF+j2YW50mzLn7J++wLeIbfN39MoDjb/jXQ3Og/aY1T7TtVWlfhSDuaZZV5DAgAqAcckdxVb4ff8ky8L/8AYHtP/RK10NIDM0vR/wCzbiSbzVdpYUjYKrAbg8js2WZjyZT1J6dTmopdCea5mmkulzI9uQFixgQ3DSgfe5JDBc+2e+Bo2Nz9t062utmzz4lk25zt3AHGfxqeh6ExkpxUo7MyNM0R9L0+aC3uszmIQwzsrMURQQmVZiCQSTxtBz0FRR+H5zEFuLuHK2txbqYbdlH70oSx3OxLZQknPO789yigoz7XTZLe+857hXjXzvLQRbSBI6ucnODgg84HXnJyTRg8NPbfYHhvV82xgt4kLw5VvLSVCSNw6iY9+CB16VvUUAYuneHv7PEANz5nlTpN/q8Z22wgx19t34496kn0R7iIQSXZ8lAGjCKyMsgPDbgwJHH3frz0xrUUAZml6QdPuZJ2mWRpYUjYKrAZV5HLZZmPJl7k9OvPGnRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB87ftXdPCn/AG+f+0KKP2r+nhT/ALfP/aFFMZ6DHZxz/A3w1cO0we30ywKBJ3RTlYgdyghX9twODyMGneM00+y8bDV2k0W91KG1sxHpd/Y+ZcuouJdptpC4CyMWYAbT8yJnAOa2PBV3d2/w18Ki106S7U6NaEskqLj9yvHzEVs/2nqf/QBn/wDAiL/4qmotnNPEwhLlaf8A4DJ/ikTaF/yLunf9esX/AKAKv1iWl1qFnZQW0WhXJSGNY1LXMOSAMDPze1Tf2nqf/QBn/wDAiL/4qqlFt3/VHPRxMIUoxaldJfZl/katFZX9p6n/ANAGf/wIi/8AiqP7T1P/AKAM/wD4ERf/ABVLkf8ATRr9bp9pf+Ay/wAjVorK/tPU/wDoAz/+BEX/AMVR/aep/wDQBn/8CIv/AIqjkf8ATQfW6faX/gMv8jVorK/tPU/+gDP/AOBEX/xVH9p6n/0AZ/8AwIi/+Ko5H/TQfW6faX/gMv8AI1aKyv7T1P8A6AM//gRF/wDFUf2nqf8A0AZ//AiL/wCKo5H/AE0H1un2l/4DL/I1aKyv7T1P/oAz/wDgRF/8VT4tQ1F5kWTRZo0ZgGczxEKPXAbNLlf9NDWKpt2tL/wGX+RpUUUVJ1BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB87ftX9PCn/b5/wC0KKP2runhT/t8/wDaFFMD1fwBrMEXgHw1bTxyQoulWkYuHK+Wzi1WQjrkYTJyQBweeldT/aVj+7/0y3/ekrH+9X5yGCkDnn5iB9SBXHeB/DVpdfD3QbrPlT3ei28U0saDe0bWkaFMnPQqrA9iMdCc9P8A2OS8UhnCSiUSyyRKVaTG3jO4nBCKCCSCB06YQElxrdhbfZy06Os/zK0bBgqeW8gc4P3SI2wRnOKsPeQRld8iKjRmQSF1C7Rjnr/tDnp+YzjR+FI0a333TtHbwx28YCAHYkc0Yye7YmOTgDK9BWlc6c100MjzKJooimRGCpYsjZwc8ZjHfPPBBwaAJlv7V4pHhnSYRp5jCE+Y23JHAXJPKsOOpBFU/wC3E8o4tLg3CzeTJbFoldGwGHJcKeHTox+8B1zixbWc1vYm2N5I5KkCY8urEkkgtnIGQADnAHJaqP8AwjwGl3FjHcLDBdB0lihhCxorqFIjX+A8E9SNzMSDkYALl1q0FrepbOkjE+X5joBti8xike7nPzMCOAcYycDmr1Z1xpP2m7895trM0XmbV+8sUhkjA545OCecjPTto0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB87ftX9PCn/AG+f+0KKP2runhT/ALfP/aFFMZyOl/FjxnZaLp9nY6v9ntrW0igiiS3jIVUQKOSpJPHrVn/hcPjv/oPv/wCA0P8A8RXCWn/HlB/1zX+VTV+v4fL8G6MG6Udl9ldvQ9uNKnyr3Udr/wALh8d/9B9//AaH/wCIo/4XD47/AOg+/wD4DQ//ABFN8BeGLPXIb+TVI4yswFjZNNcLAEuZASsoLMvmbCq7kG5sSA7TVuHwzb/8IfDNd6C0KHSri5n1hmlUw3MdxKqRHLeX83lpHs27svnPFc9SGW05uDoxuml8Meqb/T17IlqknblX3Irf8Lh8d/8AQff/AMBof/iKP+Fw+O/+g+//AIDQ/wDxFT+PPDthpFrO1vpB0zybi3jtJN8uL6N4WaVv3jENsdUGUwB5mCORXB1vh8LgMRTVSNGNv8MSowpSV1Ffcd1a/GbxxBdxSy6x9ojRwzQvbxBZADypIUEA9OCDUZ+MPjsnP9vt/wCA0P8A8RXE0Vv/AGbgr39jH/wFf5Feyp/yr7jtf+Fw+O/+g+//AIDQ/wDxFH/C4fHf/Qff/wABof8A4iuKrt7Hw9azfD57/wDsdnm+zSzveTSSRjKyFQYpATFxgBo5FVzn5WJZQMK2FwFFJyox1dvhiTKFKO8V9w3/AIXD47/6D7/+A0P/AMRR/wALh8d/9B9//AaH/wCIrWj8Gaavip459NkXTbnxFZ21i7PIEntJBMW2Pn5wQIjuBJGRzzzznjrR7fR7zSxb2P2B7rT1nnt/LmjCSebIpwsrM4GEHU89RgHFYUoZbVqKnGjG71+GPa5KVJuyivuRd/4XD47/AOg+/wD4DQ//ABFTQfGfxzCsobWFm8xNoMltF+7OR8wwo57c5HPTpXCUV3PLcE/+XMf/AAFf5Gnsqf8AKvuO1/4XD47/AOg+/wD4DQ//ABFH/C4fHf8A0H3/APAaH/4iuKoo/s7Bf8+Y/wDgK/yD2VP+Vfcdr/wuHx3/ANB9/wDwGh/+Io/4XD47/wCg+/8A4DQ//EVva74M8PW0/ie8s4AlvFDLHp1qJ3YwyQSeXMzHJOQwjYKx5W4B7cVk8Gacviho59NkXTbnxFZW1i7PIEntZBKX2Pn5wQIjuBJGRyM8+XGeVyjzewX/AIDHy09VfX0ZinRavy/gjK/4XD47/wCg+/8A4DQ//EUf8Lh8d/8AQff/AMBof/iK5O/02+0q4EGqWVxZTFd4juImjYr0zggHHB/Kq1emsvwMldUof+Ar/I29lT/lR3a/GfxyLOSE6xl2dWExtotygA5UfLjByD0z8oxjnMP/AAuHx3/0H3/8Bof/AIiuKop/2bgl/wAuY/8AgK/yD2VP+Vfcdr/wuHx3/wBB9/8AwGh/+Io/4XD47/6D7/8AgND/APEVxVemXHhLSxrGiQT6MbOCfUdMt423ygahFPHunOWY52sFGY9oXzMHkjHNXw+X0GuajHW/2Y9Lf5kSjSjvFfcZH/C4fHf/AEH3/wDAaH/4ij/hcPjv/oPv/wCA0P8A8RUFvo2l/wDCB/8ACRSwZEUMtgYzIw8y+MgZH4PQQSEjoN0PPX5uRrSlg8BV5uWjHR2+FDUKb+yvuO1/4XD47/6D7/8AgND/APEV7j8HvFOqeLPBUt3rkyz3NvePbiUIFLqFRgSBxn5yOAOAO+Sflmvo79nr/kn19/2FJP8A0VFXicRYPDUsC506cYu61SS/IwxVOEad0j1Wiiivzk8o+dv2runhT/t8/wDaFFH7V/Twp/2+f+0KKYzyKGGWC1t0njeNjDG4DqQSrKCp+hBBHqDT6+vvh9DG3wz8LlkUn+x7Tkj/AKYpXQ/Z4v8Anmv5V9rS4r9nTjB0dkl8X/2p3rG2VuX8T4gor7f+zxf881/Kj7PF/wA81/KtP9bv+nP/AJN/9qP69/d/H/gHxBRX2/8AZ4v+ea/lR9ni/wCea/lR/rd/05/8m/8AtQ+vf3fx/wCAfE1naT397DaWcTTTzuEjjXqzE4AqEgg4PBr7gEManIRQfpSeREf+Wa/lS/1ud/4P/k3/ANqH17+7+J8QUZOMZ49K+3/s8X/PNfyo+zxf881/Kn/rd/05/wDJv/tQ+vf3fx/4B8QZJxk9OlFfb/2eL/nmv5UfZ4v+ea/lR/rd/wBOf/Jv/tQ+vf3fx/4B8QVNb2lzd+b9lt5Z/JjMsvloW8tB1Y46AZHJ4r7Z+zxf881/KlEMa5wijPXik+LnbSj/AOTf/ah9e/u/ifD9Ffb/ANni/wCea/lR9ni/55r+VP8A1u/6c/8Ak3/2ofXv7v4/8A+IKMk4yenSvt/7PF/zzX8qPs8X/PNfyo/1u/6c/wDk3/2ofXv7v4/8A+IKK+3/ALPF/wA81/Kj7PF/zzX8qP8AW7/pz/5N/wDah9e/u/j/AMA+JhZ3LWD3ohc2qSLE0uPlDkEhc+uFJqGvuDyY9uNi49MUn2eL/nmv5Ulxc+tH/wAm/wDtQ+vf3fxPiCivt/7PF/zzX8qPs8X/ADzX8qf+t3/Tn/yb/wC1D69/d/H/AIB8QUV9v/Z4v+ea/lR9ni/55r+VH+t3/Tn/AMm/+1D69/d/H/gHxBX0j+z9BLF8O7l5Y2RZtRkeNmGA6+XGuR6jKkfUGvTvs8X/ADzX8qeqhRhQAPQV5uZ8QPH4f2Hs+XVO97/ojKtifaR5bWFooor5c4z52/av+74U/wC3z/2jRSftX/d8Kf8Ab5/7QopjPaPh7/yTHwv/ANge0/8ARKV0Vc78Pf8AkmPhf/sD2n/olK6KkIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD51/av6eE/8At8/9oUUftX/8yn/2+f8AtCimM9o+Hv8AyTLwv/2B7T/0StdFXO/D3/kmPhf/ALA9p/6JSuipCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA+df2sOnhP/t8/wDaFFH7WH/Mp/8Ab5/7QopjPaPh7/yTHwv/ANge0/8ARKV0Vc78Pf8AkmPhf/sD2n/olK6KkIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD51/aw6eE/8At8/9oUUftYdPCf8A2+f+0KKBntHw9/5Jj4X/AOwPaf8AolK6Kud+Hv8AyTHwv/2B7T/0SldFQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD51/aw6eE/8At8/9oUUftYdPCf8A2+f+0KKBntHw9/5Jj4X/AOwPaf8AolK6Kud+Hn/JMfC//YHtP/RKV0VAgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPnX9rDp4T/wC3z/2hRR+1h08J/wDb5/7QooGe0fDz/kmPhf8A7A9p/wCiUroq534e/wDJMfC//YHtP/RKV0VAgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPnX9rDp4T/wC3z/2hRR+1h08J/wDb5/7QooGe0fD3/kmPhf8A7A9p/wCiUroq534ef8kx8L/9ge0/9EpXRUCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA+df2sOnhP/ALfP/aFFH7WHTwn/ANvn/tCigZ7R8Pf+SY+F/wDsD2n/AKJSuirnfh7/AMkx8L/9ge0/9EpXRUCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA+dP2sP+ZT/AO3z/wBoUUftYf8AMp/9vn/tCigZ7T8Pf+SY+F/+wPaf+iUroq5b4f3kK/DPwwpbkaRaA8f9MVroft0H94/kaBFiiq/26D+8fyNH26D+8fyNAFiiq/26D+8fyNH26D+8fyNAFiiq/wBug/vH8jR9ug/vH8jQBYoqv9ug/vH8jR9ug/vH8jQBYoqv9ug/vH8jR9ug/vH8jQBYoqv9ug/vH8jR9ug/vH8jQBYoqv8AboP7x/I0fboP7x/I0AWKKr/boP7x/I0fboP7x/I0AWKKr/boP7x/I0fboP7x/I0AWKKr/boP7x/I0fboP7x/I0AWKKr/AG6D+8fyNH26D+8fyNAFiiq/26D+8fyNH26D+8fyNAFiiq/26D+8fyNH26D+8fyNAFiiq/26D+8fyNH26D+8fyNAHz5+1h08J/8Ab5/7QoqP9qudJh4U8s5x9szx/wBcaKBnqvgMFvh34aA5J0q1A/79LXXxafGo/e5Y+mcCuV+HJC+BPDBYgD+y7Uc+vkriuh8Rw6lPoc8eiybLk44DbHdM/MqOeEcjoxBAP5hkk1xYgKWhzx1X/CqNaGkfZ/7GtBZ281tAsSqkM6MrxgDGGDc5+vXrk9azyVYkoCFPIB9KEDCq13qFnYKpvruC2DnCmaUJu+mTVmsS+eXTtebUTp815FJbJArWyh5ImDMSNpwcNuXkf3eexqiTYjkSaJZInV43UMrKchgehB7in1heFmWK0urNlME0V1K/2RlAMCO5ZAMcEYPUcdR2rdoAKiuLmG0t2nupViiXGXc4AycD9eKlrM17/kHRf9ftr/6UR0gD/hItJH3r6JR6sSAPqT0rTrjNXudQhS5sru2nme8gksrRxch2uGYEhjGoVEAB5YjIGO2TXZ0wCiiqerxzy6HfR2e77Q9vIsW04O8qcYPY5pDLlFcVDaX7GMWWmX1nbrf2r/v7lnd1BPmEgu2AOOnX8ONDwlpF5ZrNdamCJpGZUDSyFgu8/eBYr0C4wBxTFc6WiiikMgur21sYhJfXMNtGW2h5pAgJ9MnvwakiljniSWF1kjcBldDkMD0IPeub8dyWsehwm7MSn7QBC8yF40fa3LKAc8bscHkjIxmsHwq2nX1xdiytbdktBvWV7RS4YnIZZAoI+YsBkD5VTAB3Ydib62PRaazBELHoBmnVHN/x7yf7p/lSKJKKKKACiseJfEm6DzpNMIFw3nbVk5h4xt/2vve3T3zb0wakLQ/2y1q1xvOPsoYLt7fe5zTEXaKKKQyvfX1tpljLeX8ywW8K7nkboB/U9sd6W0u4L+ziurOVZYJlDo69CDXOfEGOa68Mz2e3ZbTxky3OxnEDIyupYKCdhCsCwBwcdqn8EwXFn4dt7R1/0eCJVjlaNo2kcks5CsAQoyACQCcE4xjL6CvqeS/tPdPDH/b3/wC0aKP2nunhj/t7/wDaNFQy1seveBP+Sc+G+3/Eqten/XJa6mLUpI1xPEZcDhkIyfqDgfr+ArnfASj/AIVv4a4H/IJte3/TFa39q+g/KqJC4vpLhSip5cbDB3HLH29B+tQVPtX0H5UbV9B+VAEFFT7V9B+VIxjUqGKqWOFB7nGcD8AaAKpghNyLgxJ5wQoJNo3BSc4z6ZAqSp9q+g/KjavoPyoAgqOaGK4haK4jSWNxhkdQysPcGrTGNCocqpY4UE4ycZwPyNLtX0H5UAZlrpOnWMplstPtbeQjaXhhVCR6ZAq5U+1fQflSN5aDLbVGQMnjknAoAhoqfavoPyo2r6D8qAIKKldoo9vmMibmCruIGSew96dtX0H5UAQUVPtX0H5UjeWgy+1RkDJ45JwB+dAENVTptsbh5tjBpHDuFkYK7AAZKg4PAA6dq0dq+g/KjavoPyoAgprKHQqehGKlllt4WUTSRxlzhQ7AbvpUm1fQflQBBRU+1fQflTXaKPb5hRNzBV3EDJ9B70ARUVPtX0H5UbV9B+VAEFFSuYo9vmFF3EKNxAyfSnbV9B+VAFWWKOeF4pkWSORSro4yGB4II7inABVAUAADAA7VY2r6D8qa5ijx5hRdxCjccZJ6CgD59/af6eGP+3v/ANo0VJ+1IAB4WwMf8ff/ALRopMpbHsXgL/km/hr/ALBNr/6JWr+q69pmitAup3Qha4LeWoRnJCjLMQoOEUYLMcKuRkjNUPAP/JN/DX/YJtf/AEStVtSsr/TvHX/CQWelyarHcaaLF47cxLLAySFwcyOoKNvOQOQUXg54pEM2beSz1u307VbKRJocefBNs+8joRxnkZDA/hWhXN/Dr/kmnhz/ALBsH/oArpKAWxkv4o0VI43fUYQsl/8A2avXJudxXysf3sg/hz05pswg1y8Asbu3b+zbsR3amEu28BJPLDZG3HyMcZ5C56EHmNb8F6pqvifVWikiTT5IPt9lJIcNDqnlpDHIMc4jSENyOsp6446fwrYXGn+HYEv4xDeXDy3dzECD5Us0jSumRwQrOVB7gCgWpsVm6rr+maIE/tO6ERZWfaqM5VF+9IwUEqi5GXOFGRkjIrSrifEejakfF76pa2mp3drcafHbMulX0cEiPHJIw3iRlDKRL1DZBU8HOQIbOkv7AaqbKaCeERxSJNv2Fy6hlbCsGAAO0dQR0PUA1pVR0WxGl6Dp9gsSwi1to4RGspkCbVC4DkAtjHUgZ64FXqAMjXPFOjeGzbrrV6LZrosIF8t3aQrjIAUEk8jip9V0oaobUm4eL7NcJOFCqQxVgecjI4BGQR15z0rG1/R769+IHhLUrWDfaac14bqTeo8vfDtTgnJyeOAa6mgArF8R+J7PwzDaSXsN1KLu5jt0FvbvJgu4XJ2g4+8OOp7Anitqud8a6feaho9odOtmu5rTUrS7MEbKrSJHMrMFLkLnaCeSOlAPY1NQsHvJbWSK4MDQShyQX+ZcgleGA5xjkEe1XqKKQyp/adkNWbTDcoL1YBcmEnDGLcV3D1AIwcdMjPUZqSQw+ILfS9T0+8PkApcwuAwEiMAQQAV5KnHORhiCpzXOfErTLq/XSF0yYRXV9NJpEoIzutrmM+cQvdkEayDkf6s9eh7aGGO3gjht41iijUIiIMKqgYAA7ACmLqPqp/almNZGk+ePtxtzciHBz5e7buz06nFW65LV7HUrH4g23iCw02bU4m0uSxeKCSJDG/mo6sTI6/KRuBxkjHQ5oBm9HJb65p1jd2c4kspjHcowUjzUxuTHQjna34YI5q/WN4QsLnS/BOiWF9H5Vza2EEM0e4NtdYwCMjIPI7Vs0AUtU1D+zbeGU+UBJcwwEyuyj95IqDGFbJywwOATjJA5puqaadS+zYm8vyJ1l+6TnH0I5+uR6g1U8U2FzqOl2sVlH5jx6lZTsNwGEjuY3c8+iqTjqccVtUAFZmseIdM0FI21S5MRlDFESJ5HKqMs21ATtUYy2MDIyRkVp1zOo2t9pvjF9es9JbVkuNPSzaO3aJJoSkjuCDI6go3mc4OQUTg9gGat1bxaza2k9pcxPCWWZJU+dZI2X+FgwHIOQ3NaNYXgzQ5vDfhGy0u6kieaIO8nkgiNC7s5RM/wru2j2A4HSt2gDH1fxXouhXP2fVL3yp/INx5SxPIxjB+Z8KCcDBJ9AMnipr22j1zT7d7O7iMEg3rMg8wSRuhXKEHGSrZDcj2Nclq97cWPxptZbTTLrUnPh6VfJtniVgPtCfMTI6DHGODnnp1rofBOh3HhzwZp2l3siPcQozSeX9xGZi5Rf9ld20ewFAr3Z43+1J08Lf8Ab3/7Roo/al6eFv8At7/9o0VLNFsexeAf+Sb+Gv8AsE2v/ola6Cuf8A/8k38Nf9gm1/8ARK10FMkit7eG0to7e0hjggiUJHFGoVUUdAAOAKloooAKKKKACiiigAooooAKKKKACiiigAooooAgNjaNfrfNawm7WMxLcGMeYEJyVDdcZ5xU9FFABRRRQAUUUUAFFFFABRRRQAUUUUAQ/Y7Y3wvTbxfahGYhPsG8ITkru64yAcdMipqKKAPn39qXp4W/7e//AGjRR+1L08Lf9vf/ALRopMpbHsXgH/km3hr/ALBNr/6JWugrn/AP/JN/DX/YJtf/AEStdBTJEZgqlmIAAySe1Yuk+KrPV9QW0jtr22ea3N1bNc25RbmEMFLr6YLL8rbWwwOMGta5jlltJo7eYwSujKkoUN5bEcNg8HB5xXFeE/CesaVren3+q22lpJb6ZJZ3V1b3Ek1xeys0LedI7RqTnym4JON3U5wGJ3O6pCQASTgDqTS01wzRsEbaxBwxGcH1xSGYui+LLLXLuOC2t72IT232u1mntysd1BkDzEbnH3l+VtrYYHbg5rcrkPC3hvUtI1RJp4LLTrVLV4ntNOvJnt5pWZD5iwMqpBja/C7s+YcnjJ6+mxK5HcXENrbS3F1KkMEKF5JJGCqigZJJPAAHOa5jTvFTaz4t023tIby3sbjTbq6AubfYJwskCxyKeuMPJ8pIYBgWUZWt3W9MXWtA1DS5JGiS+tZLZpFGSodSuQPbNYul6f4jm8SWGpeIY9MjFnp89qxs55HM0kjwMX2sihR+6Py5OMjk9gHc6iiiikM5bwZqeqa1Jq99qbXEcQvpre2tWiiWOFIpGjwCpLM+UJYscZOFGBk9TWT4d0ubSNPuILlo2aW/u7lTGSQFlneRRyBzhxn3z1rWpiWxFc3ENnay3N1KkMEKGSSSRsKigZJJ7AAVkaV4rtNV1CGyS0v7aW4t3u4PtVuUWWFWRd4PuZF+U4YDlgMjNrxDYpqnhfVLCaSSOO6s5oXeOMyMoZCpIUcseeg5Ncf4X1688R+OLCW4k025Nlo86XEulyySxpJJJb4DlkXy2bynIiOWUKcnpQJvU9CrK8U3txpvg/Wb6yk8u5trCeaJ9oO11jYg4PB5A61q1m+ItOl1fwvqum2zIs15ZzW8bSEhQzoVBOATjJ9KBmT4S8WprNrp9pdw3sV9PpyXiy3FsY0ulAVZHQjjhmGQQpwykAqQa6iue0vQLqyvNAllkhK6bpEtjMFY5aRjbkFeOV/ct1weRx1x0NAIKx9N1j7b4l1rTfPR/wCzjAPLFuUMe+Pdy5ch89eFXHTnrWxXF+EmW4+Ivji6gYS25ubSASocqZI4AHTI7qSAR2PBoBnaVkeLb640zwVrd/YyeVc2unzzQybQdrrGxU4PBwQOta9ZniXTZtZ8J6vpdqyJPe2U1vG0hIUM6FQTgE4yfQ0AyHQ9di1Qi2j8yea3t4mup1QCNZGUN5ee74IYgDgEZxkZ2a5nwr4YuPCrvaWtwZNLliWQwSzNI1vcceYULAko/LEE8NkjO87emoBBWRo19cXereIIbiTfHZ6gkMA2gbENrBIRx1+aRjz6+mK16zNK02ax1LW7iZkKahercRBScqot4YsNx13RMeM8EfSgDTooopDPn39qbp4W/wC3v/2jRSftTdPC3/b3/wC0aKRS2PY/AP8AyTfw1/2CbX/0StdBXP8AgH/km/hr/sE2v/ola6CmSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8+ftTdPC3/b3/wC0aKP2punhb/t7/wDaNFJlrY9j8A/8k38Nf9gm1/8ARK1sX19babZS3d9KsMEQy7t29sdSSeAByTwKx/AP/JN/DX/YJtf/AEStaupaVY6xZ/ZdTtkuIdwYK/YjoQRyD9KZDMRH8SXOdYjUQoP9To8gAaSLuXf+GU8ED7q4wepI2tM1O21ayFzZs23JR0cbXicdUZeoYHqK4uyl1O08ASeHpdB1Rr02s1sJFRDHubcAd2/pyOa7PS9IsdFtTbaZbrbxM5dlUk5YgDOT7AflTZKLtR3Ejw20ssUL3DohZYYyoaQgcKCxAyenJA9SKkqOcTNbSraukc5QiN5ELqrY4JUEEjPbIz6ikUYei+Kjq+vXmkvo99Y3FlEkk7TyQOqF/uoTHK+GIBbB7YJxlc9BXOeFPD2peHYpILvULC7ilZ5png09oJp52ILSyOZmBJ54CjsBgKBXR02JDJnaOF3SNpWVSRGhALnHQZIGT7kCsXQfFlp4juGj062utsUCyXEkiqq28pJBt3G7ImXGWXHy8ZPIzsziVreQWzpHMUIjeRC6q2OCVBBIz2yM+orn/DHhSTwzcztDqH2iK8QS3qPEd014T+8uAdxCbxgFAMDauCOcga3OkqC9vINPsLi9vZBFb20TSyyEcIijJPHoAanqrqmnwavpF5pt3u+z3kDwS7Dg7XUqcH1waQzO0bxDPq00SXGgappizQGeJ7xI8FQV+VtjsUf5gdrYPX0IG3WLothr9o8f9ua3b6gkUHlgQWHkGVvl/eOS7Zb5Twu0fMeDxjapiRFdTNb2c00cElw0cbOsMWN8hAztXJAyegyQPeszTfEtjq15aQWAml+1aemoiTyyFjicgR7iejN82B/0zbOOM7Fc94W8KJ4ZfUmF0bn7Xcs0AKbBa2+S0duoyRtQu+MY+904oDU6Gsfxde3Gm+CdcvrKQxXNtp1xNDIADsdY2KnB44IFbFZ+vaZ/bfhzUtK87yPt1pLbebt3bN6Fd2MjOM5xkUAUtL8Stf6pHYXmj3+mTTwPcW/2vyv3yIUDHCOxUgyJwwB59jjdrn9O0HUk1yDUtb1SC/ktLaS2thDZ+QcSNGXdzvYMx8pfuhR97jkY6CgEVtSvo9M0u7v51ZorWF5nVB8xCqWIGe/FYuheME1y7s4hpN9ZR39k19Zz3BhKzRAxgnCSMVP71DhgOD6jFa+r2H9q6Jfaf5nlfa7eSDzNu7ZuUrnHGcZ6VmaP4Y/sn+wf9L83+x9JbTf9Vt87d5Hz9Tt/1HTn73XjkDW5v1k6/r8egR2W6yur2W+uhawQ2oTczlHf+NlAGEPJNa1ZesaN/a11pM3n+V/Zt8LvGzd5n7qSPb1GP9ZnPPTpzQBhT/EJLKG4n1Lw9qlpbWM6W9/O7W7LaM4QjIWUswxKjEqDgN6ggdjXLa74L/tvQvEem/b/ACP7cuUn8zyd3kbY4UxjcN3+pznI+97c9TRoCuFc3qGsXtzd3w0q7trSx0tCbu8kgacmQDcY1VSPuryxyTkgY4NdJXLzNceHru+tlivZNOvt81vLZW7TSWkrffXHzcEnevGMlh6UAyvcalrEWm6heWfiHTr77BbG5dE09tjjYXVd4lxyB2yQCD3GewrgFFpY+G9U0jQ9P10pfW7xwW89jLsjkZCuQ7KMBiQTk4HJ4ya7+hiR8+ftTf8AMq/9vf8A7Roo/am/5lb/ALe//aNFSzRbHsfgH/km/hr/ALBNr/6JWugrn/AP/JN/DX/YJtf/AEStdBTJCiiigAooooAKKKKACiiigAooprukYzIyqPVjigB1FRfaYP8AntH/AN9ij7TB/wA9o/8AvsUAS0VF9pg/57R/99ij7TB/z2j/AO+xQBLRUX2mD/ntH/32KPtMH/PaP/vsUAS0VF9pg/57R/8AfYo+0wf89o/++xQBLRUX2mD/AJ7R/wDfYoFzATgTRk/7woAlooooAKKKKACiiuX1Lxva2s7Q2MJuipIaTftTPt1z39PbNUk3sY1a1OirzdjqKK5Gx8eQySql/amFT/y0jbcAc9xjOPz+ldYjrJGrxsHRgCrKcgj1FDi1uKjiKdZXpu58/ftTdPC3/b3/AO0aKP2punhb/t7/APaNFQdK2PY/AP8AyTfw1/2CbX/0StWb3UL+38Q2dpDHbyQXKOQmG3japLOW6KoYxrjBJMnbGDW8A/8AJNfDP/YItf8A0StbpiUzLKS25VKgBztwcdV6E8Dk8jnHU0yWYE2tam3hxtQghs4JopZ45UdnlDNHI0aomApYuygA8Hn7pPFT/wBq38XiW3sbiGFbe5RioAYMmFzkuflY5DDYvIADZxnFm48P6fcxxI6TIIZpJ4zDdSxFZJCxdsqwPO9voGIHFLbaDp9pe/aoYpPO6gyTyOA20Lv2sxG8gYLY3HJyeTl6C1NGiiikMKKr20NzHcXbXFz50csweBPLC+QmxAUyPvfMHbJ/v47CrFAGHr0t3NeWmm2ZlRZo5ricwSBJXSPaPLQnoWaRecjAB5HWsi+0hNB0+XUtDtr3T5be3N7KXuzJHKVGWhkQu2SQW+YDggEN2PQ6xo66osEkciwXVs5aGVohIMEFWRlPVWBwRkduQQK56z8HXkkjJqTWNtbNtSRLISs80QJPlbpGPlRk4yiDBAxkUyWdkDkA1m6x/wAsf+Bf0rTqjqVtLcCMxDdtzkZx1/8A1UhmPRVn+zrr/nl/48P8aP7Ouv8Anl/48P8AGgCtRVn+zrr/AJ5f+PD/ABo/s66/55f+PD/GgCtRVn+zrr/nl/48P8aP7Ouv+eX/AI8P8aAK1FWf7Ouv+eX/AI8P8aP7Ouv+eX/jw/xoArUVZ/s66/55f+PD/Gl/s66/55/+PCgDZj/1Sf7op9NQbUVfQYp1AwoqOONkklZpnkEj7lVguIxtA2rgA4yCecnLHnGAJKAMnxPPJb+Grx4m2sVC5x2ZgD+hNcNpvh251LTJr2LbsRvLjXeoLv1P3iMAD+nFeh6rYDU9KntGO3zF+U+hByP1ArzGQ32lNc2UytF5g2yxOoIbB4Iz+jD8DW9PayPCzKKVWM5q8bfiWZvD15aWVxc3nlxLCgKgSo5cllXHDZHBJz7V1vge4eXQnjc5EMxVOOgIBx+ZNefxxvNIscSM7scKqjJJ+leneG9KfSNHSGb/AFzsZJBnIBOBj8gPxzTqbamWXRvW5oKyS1PEv2punhb/ALe//aNFH7U3Twt/29/+0aK5j6RbHsfgH/km3hn/ALBNr/6JWugr88ZP9Y31NNouKx+iFFfnfRRcLH6IUV+d9FFwsfohRX530UXCx+iFFfnfRRcLH6IUV+d9FFwsfohRX530UXCx+iFFfnfRRcLH6IUV+d9FFwsfohRX530UXCx+iFFfnfRRcLH6IUV+d9FFwsfohRX530UXCx+iFQ3FpbXYUXVvFOF5AkQNj86/PWii4nFNWZ+hFvYWloxa1tYYWIwTHGFJH4VYr876KLgopKyPo39qb/mVv+3v/wBo0V87w/xUUFo//9k=)

**Program No: 05 Date:20-09-2022**

**Aim**:Implement validation on various UI controls.

**Program Code:**

**activity.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

tools:context=".MainActivity">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="REGISTRATION"

android:textColor="@color/design\_default\_color\_error"

android:textSize="30dp"/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="NAME"

android:id="@+id/name"/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="MOBILE NUMBER"

android:id="@+id/mobile"/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="AGE"

android:id="@+id/age"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="GENDER"

android:textSize="20dp"

android:textColor="@color/design\_default\_color\_primary"/>

<RadioGroup

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/RG">

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/radiobutton1"

android:text="Male"/>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/radiobutton2"

android:text="Female"/>

</RadioGroup>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Submit"

android:id="@+id/button"/>

<CheckBox

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="i agree all terms and conditions"

android:id="@+id/checkbox"/>

</LinearLayout

**Mainactivity.java**

package com.example.myapplication5;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.EditText;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText name;

EditText mobileno;

EditText age;

RadioGroup radiogroup;

RadioButton male;

RadioButton female;

CheckBox checkbox;

Button button;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

name=findViewById(R.id.*name*);

mobileno=findViewById(R.id.*mobile*);

age=findViewById(R.id.*age*);

radiogroup=findViewById(R.id.*RG*);

male=findViewById(R.id.*radiobutton1*);

female=findViewById(R.id.*radiobutton2*);

checkbox=findViewById(R.id.*checkbox*);

button=findViewById(R.id.*button*);

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

if (error()){

Intent i=new Intent(MainActivity.this,login.class);

startActivity(i);

}

}

});

}

private boolean error(){

if (name.getText().toString().length()==0){

Toast.*makeText*(getApplicationContext(),"Please enter the name",Toast.*LENGTH\_LONG*).show();

return false;

}else if (mobileno.getText().toString().length()==0){

Toast.*makeText*(getApplicationContext(),"please enter mobile number",Toast.*LENGTH\_LONG*).show();

return false;

}

else if (mobileno.getText().toString().length()!=10){

Toast.*makeText*(getApplicationContext(),"please enter 10 numbers",Toast.*LENGTH\_LONG*).show();

return false;

}

else if (!male.isChecked() && !female.isChecked()){

Toast.*makeText*(getApplicationContext(),"please choose radio button",Toast.*LENGTH\_LONG*).show();

return false;

}else if (!checkbox.isChecked()){

Toast.*makeText*(getApplicationContext(),"Please click on checkbox",Toast.*LENGTH\_LONG*).show();

return false;

}else {

return true;

}

}

}

**activity\_login.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".login">

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Welcome to my login page"

tools:layout\_editor\_absoluteX="121dp"

tools:layout\_editor\_absoluteY="194dp" />

</LinearLayout>

**Login.java**

package com.example.myapplication5;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class login extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

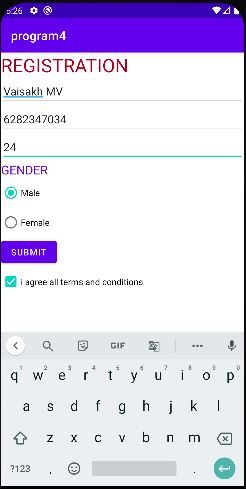
super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_login*);

}

}

**Output**



![A picture containing background pattern

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDiRXhpZgAATU0AKgAAAAgABAE7AAIAAAAIAAAISodpAAQAAAABAAAIUpydAAEAAAAQAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHZhaXNodXMAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzY2AACSkgACAAAAAzY2AADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIyOjExOjAyIDE3OjI2OjQ0ADIwMjI6MTE6MDIgMTc6MjY6NDQAAAB2AGEAaQBzAGgAdQBzAAAA/+ELGmh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjItMTEtMDJUMTc6MjY6NDQuNjY0PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPnZhaXNodXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgB2gDyAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A8l+xR+rfnR9ij9W/OrFFfuHsafY9/wBnDsV/sUfq350fYo/VvzqxRR7Gn2D2cOxX+xR+rfnR9ij9W/OrFFHsafYPZw7Ff7FH6t+dH2KP1b86sUUexp9g9nDsV/sUfq350fYo/VvzqxRR7Gn2D2cOxX+xR+rfnR9ij9W/OrFFHsafYPZw7Ff7FH6t+dH2KP1b86sUUexp9g9nDsV/sUfq350fYo/VvzqxRR7Gn2D2cOxX+xR+rfnR9ij9W/OrFFHsafYPZw7Ff7FH6t+dH2KP1b86sUUexp9g9nDsV/sUfq350fYo/VvzqxRR7Gn2D2cOxX+xR+rfnR9ij9W/OrFFHsafYPZw7Ff7FH6t+dH2KP1b86sUUexp9g9nDsV/sUfq350fYo/VvzqxRR7Gn2D2cOxX+xR+rfnVLVLBPsLuu4tGQw6evP6Vq1Def8eM/wD1zb+VcmNw1KphqkGt0/yInSg4PQ5HFFOxRX44eGejeF9Nh1jxZpWm3ZcQXd3FDIUOGCswBwfXmumttB8PalBpeoLp+o2NnKuoCeA3iyPKLa2EodHMYAJYkHgjI4x0rldB1T+w/EWn6p5Pn/YrmOfyt23ftYHGcHGcdcUXniDWdQmSW/1e/upER40ee5dyquNrqCTwCCQR3Br9krUq1Sr7rsrd+tn0+53fbQ96UZN6HcaF4S8P60+kWj2OpQS+JBdS2t0swMVgsTyBUAK/viNgL5K4BXGM1JD4G0EaOLeaO9kv/wDhGH1/7Yk6rHuI+WLy9p+VSB824EnPtjgbXXNWstPmsLLVL23s593m20Vw6Rybhg7lBwcgYOeorobH4g3Wm+DJtCsbaSN54HtZJWvJXi8p8l9sDEqshz98dicAEk1x1sNjE705tpva+2r1u+ysrK97X3ZnKFTozWuvDXhux8R3FjJY3H2XTLKO7u7u5vysbmVYCgYJCzKoMjDChmJYcgA4bqvhfw74Z1zV0vLS+1G2s7uxghi+1iE4ngkkYs3l5OCmAMKfX0rjINf1i11B7+21a+hvJIxE9xHcusjIAAFLA5IAVePYelRXOq6heySveX91cPM6PI0szMXZFKoSSeSoJAPYEgVtHCV7pSqO1knq97pt+XXZ7NLoUoS6s7bVPCegTSXVjpfnabNp2urpc17qF8jRvGfOJlbKoFI8roDyDjk1pfFG3gT4f+Djp8UENlbteQRIl1DKzL5ihXJjYqzME3OVyAzEHBIFeZzX95cLMLi6nlFxL58weQt5knPztnq3zNyefmPrRLfXc9nb2k91NJbW27yIXkJSLccttU8Lk8nHWhYKr7SnOU78rvrd7xafXu/l0D2crp32/wAiCiiivVNgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqG7/AOPKf/rm38qmqG7/AOPKf/rm38q58T/An6P8iZ/CzlMUUUV+KHz57p/wo/xn/wA+1r/4Eij/AIUf4z/59rX/AMCRX1BRX03+tGP7R+5/5nZ9cqeR8v8A/Cj/ABn/AM+1r/4Eij/hR/jP/n2tf/AkV9QUUf60Y/tH7n/mH1yp5Hy//wAKP8Z/8+1r/wCBIo/4Uf4z/wCfa1/8CRX1BRR/rRj+0fuf+YfXKnkfL/8Awo/xn/z7Wv8A4Eij/hR/jP8A59rX/wACRX1BRR/rRj+0fuf+YfXKnkfL/wDwo/xn/wA+1r/4Eij/AIUf4z/59rX/AMCRX1BRR/rRj+0fuf8AmH1yp5Hy/wD8KP8AGf8Az7Wv/gSKP+FH+M/+fa1/8CRX1BRR/rRj+0fuf+YfXKnkfL//AAo/xn/z7Wv/AIEij/hR/jP/AJ9rX/wJFfUFFH+tGP7R+5/5h9cqeR8v/wDCj/Gf/Pta/wDgSKP+FH+M/wDn2tf/AAJFfUFFH+tGP7R+5/5h9cqeR8v/APCj/Gf/AD7Wv/gSKP8AhR/jP/n2tf8AwJFfUFFH+tGP7R+5/wCYfXKnkfL/APwo/wAZ/wDPta/+BIo/4Uf4z/59rX/wJFfUFFH+tGP7R+5/5h9cqeR8v/8ACj/Gf/Pta/8AgSKP+FH+M/8An2tf/AkV9QUUf60Y/tH7n/mH1yp5Hy//AMKP8Z/8+1r/AOBIo/4Uf4z/AOfa1/8AAkV9QUUf60Y/tH7n/mH1yp5Hy/8A8KP8Z/8APta/+BIo/wCFH+M/+fa1/wDAkV9QUUf60Y/tH7n/AJh9cqeR8v8A/Cj/ABn/AM+1r/4Eij/hR/jP/n2tf/AkV9QUUf60Y/tH7n/mH1yp5Hy//wAKP8Z/8+1r/wCBIqjrfwd8W6Z4f1C/u7e2EFrayzSlbgEhVQsePoK+rq534hf8kx8Uf9ge7/8ARL1M+JsdOLi1HXy/4Ini6jVj4O/Gikor5s5D9FKKKKkAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK534hf8kx8Uf9ge7/8ARL10Vc78Qv8AkmPij/sD3f8A6JegD4OxRRRVAfonRRRUgFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXO/EL/kmPij/sD3f/AKJeuirnfiF/yTHxR/2B7v8A9EvQB8G80UtFMD9E6KKKQBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzvxC/wCSY+KP+wPd/wDol66Kud+IX/JMfFH/AGB7v/0S9AHwbRS80VQz9E6KKKkQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc78Qv+SY+KP+wPd/8Aol66Kud+IX/JMfFH/YHu/wD0S9AHwdRRRTGfonRRRSEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXO/EL/kmPij/sD3f/ol66Kud+IX/JMfFH/YHu//AES9AHwdRRRTGfonRRRSEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXO/EL/kmPij/sD3f/AKJeuirnfiF/yTHxR/2B7v8A9EvQB8HYooxRTGfonRRRSEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXO/EL/kmPij/ALA93/6JeuirnfiF/wAkx8Uf9ge7/wDRL0AfB1FGKKYz9E6KKKQgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK534hf8kx8Uf9ge7/8ARLV0Vc78Qv8AkmPij/sD3f8A6JegD4NopKKYz9FaKKKQgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK534hf8kx8Uf8AYHu//RL10Vc78Q/+SY+KP+wPd/8Aol6APg3FFFFMZ+ilFFFIQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc78Q/+SY+KP8AsD3f/ol66Kud+If/ACTDxR/2B7v/ANEvQB8GUUUUyj9FaKKKRIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc78Q/wDkmPij/sD3f/ol66Kud+IX/JMfFH/YHu//AES9AHwZRRRTKP0VooopEhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzvxC/wCSY+KP+wPd/wDol66Kud+IX/JMfFH/AGB7v/0S9AHwZRRRQUforRRRQSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXO/EL/kmPij/ALA93/6JeuirnfiH/wAkx8Uf9ge7/wDRL0AfBlFJRQM/RaiiigQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc78Qv8AkmPij/sD3f8A6JeuirnfiH/yTHxR/wBge7/9EvQB8GUUlFAz9FqKKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzvxD/5Jj4o/wCwPd/+iXroq534h/8AJMfFH/YHu/8A0S9AHwXRRRQUfotRRRQSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXO/EP/AJJh4p/7A93/AOiXroq534h/8kw8U/8AYHu//RL0AfBdFFFBR+i1FFFBIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc78Q/+SYeKP8AsD3f/ol66Kud+If/ACTDxT/2B7v/ANEvQB8F5ooooGfotRRRQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACud+If/JMfFH/AGB7v/0S9dFXO/EP/kmHij/sD3f/AKJegD4LooooGfotRRRQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACud+If/JMPFH/YHu//AES9dFXO/EP/AJJh4p/7A93/AOiXoA+CqKKKBn6L0UUUCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnfiH/wAkw8U/9ge7/wDRL10Vc78Q/wDkmHin/sD3f/ol6APgrNFFFAz9F6KKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzvxD/5Jh4p/7A93/wCiXroq5z4h/wDJMPFP/YHu/wD0S9AHwXRSUUDP0YooooEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXOfEP8A5Jf4p/7A93/6JeujrnPiJ/yS/wAU/wDYHu//AES9AHwTRRRQM/RmiiigQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc58RP+SX+Kf8AsD3f/ol66Ouc+In/ACS/xT/2B7v/ANEvQB8E0UUUDP0ZooooEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXOfET/kl/in/sDXf/AKJeujrnPiJ/yS/xT/2B7v8A9EvQB8E0UUUDP0ZooooEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXOfET/AJJf4p/7A93/AOiXro65z4if8kv8U/8AYHu//RL0AfBNFFFAz9GaKKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVznxE/5Jf4p/7A93/6JeujrnPiJ/yS/wAU/wDYHu//AES9AHwTRRRTGfev/Cx/BH/Q5eH/APwaQf8AxVH/AAsfwR/0OXh//wAGkH/xVfAFFIR9/wD/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FV8AUUAff8A/wALH8Ef9Dl4f/8ABpB/8VR/wsfwR/0OXh//AMGkH/xVfAFFAH3/AP8ACx/BH/Q5eH//AAaQf/FUf8LH8Ef9Dl4f/wDBpB/8VXwBRQB9/wD/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FV8AUUAff8A/wALH8Ef9Dl4f/8ABpB/8VR/wsfwR/0OXh//AMGkH/xVfAFFAH3/AP8ACx/BH/Q5eH//AAaQf/FUf8LH8Ef9Dl4f/wDBpB/8VXwBRQB9/wD/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FV8AUUAff8A/wALH8Ef9Dl4f/8ABpB/8VR/wsfwR/0OXh//AMGkH/xVfAFFAH3/AP8ACx/BH/Q5eH//AAaQf/FUf8LH8Ef9Dl4f/wDBpB/8VXwBRQB9/wD/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FV8AUUAff8A/wALH8Ef9Dl4f/8ABpB/8VR/wsfwR/0OXh//AMGkH/xVfAFFAH3/AP8ACx/BH/Q5eH//AAaQf/FUf8LH8Ef9Dl4f/wDBpB/8VXwBRQB9/wD/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FV8AUUAff8A/wALH8Ef9Dl4f/8ABpB/8VWB478feD7z4c+JLWz8WaHPcTaVdRxRRalCzyMYmAVQGySScACvh+lT76/WgCzRRRQM/9k=)

**Program No: 06 Date:20-09-2022**

**Aim**:Design a registration activity and store registration details in local memory of phone using intent and shared preferences

**Program Code:**

**activity.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

tools:ignore="HardcodedText">

<TextView

android:id="@+id/textview"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="32dp"

android:text="Registration form"

android:textColor="@android:color/black"

android:textSize="24sp"/>

<EditText

android:id="@+id/edit1"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/textview"

android:layout\_marginStart="16dp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="16dp"

android:hint="Enter your name"

android:padding="10dp"/>

<EditText

android:id="@+id/edit2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit1"

android:layout\_marginStart="16dp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="16dp"

android:hint="Enter your age"

android:padding="10dp"

android:inputType="number"/>

<EditText

android:id="@+id/edit3"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit2"

android:layout\_marginStart="16dp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="16dp"

android:hint="Enter your Email id"

android:padding="10dp"/>

<EditText

android:id="@+id/edit4"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit3"

android:layout\_marginStart="16dp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="16dp"

android:hint="Enter your Address"

android:padding="10dp"/>

<EditText

android:id="@+id/edit5"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit4"

android:layout\_marginStart="16dp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="16dp"

android:hint="Enter your gender"

android:padding="10dp"/>

<EditText

android:id="@+id/edit6"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit5"

android:layout\_marginStart="16dp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="16dp"

android:hint="Enter your Qualification"

android:padding="10dp"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/b1"

android:layout\_below="@+id/edit6"

android:text="Submit"/>

</RelativeLayout>

**MainActivity.java**

package com.example.myapplication6;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

private EditText name,age,email,address,gender,quali;

Button b1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

name=findViewById(R.id.*edit1*);

age=findViewById(R.id.*edit2*);

email=findViewById(R.id.*edit3*);

address=findViewById(R.id.*edit4*);

gender=findViewById(R.id.*edit5*);

quali=findViewById(R.id.*edit6*);

b1=findViewById(R.id.*b1*);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent i=new Intent(MainActivity.this,MainActivity2.class);

startActivity(i);

}

});

}

protected void onResume() {

super.onResume();

SharedPreferences sh = getSharedPreferences("mysharedpref", *MODE\_PRIVATE*);

String s1 = sh.getString("name", "");

int a = sh.getInt("age", 0);

String s2 = sh.getString("email", "");

String s3 = sh.getString("address", "");

String s4 = sh.getString("gender", "");

String s5 = sh.getString("quali", "");

name.setText(s1);

age.setText(String.*valueOf*(a));

email.setText(s2);

address.setText(s3);

gender.setText(s4);

quali.setText(s5);

}

protected void onPause() {

super.onPause();

SharedPreferences sharedPreferences = getSharedPreferences("mysharedpref", *MODE\_PRIVATE*);

SharedPreferences.Editor myEdit = sharedPreferences.edit();

myEdit.putString("name", name.getText().toString());

myEdit.putInt("age", Integer.*parseInt*(age.getText().toString()));

myEdit.putString("email", email.getText().toString());

myEdit.putString("address", address.getText().toString());

myEdit.putString("gender", gender.getText().toString());

myEdit.putString("quali", quali.getText().toString());

myEdit.commit();

}

}

**activity\_main2.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity2">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Welocome"/>

</RelativeLayout>

**MainActivity2.java**

package com.example.myapplication6;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity2 extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main2*);

}

}

**OUTPUT**

![Graphical user interface, text, application, email

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDiRXhpZgAATU0AKgAAAAgABAE7AAIAAAAIAAAISodpAAQAAAABAAAIUpydAAEAAAAQAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHZhaXNodXMAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzY1AACSkgACAAAAAzY1AADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIyOjExOjAyIDE3OjMxOjM5ADIwMjI6MTE6MDIgMTc6MzE6MzkAAAB2AGEAaQBzAGgAdQBzAAAA/+ELGmh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjItMTEtMDJUMTc6MzE6MzkuNjUwPC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPnZhaXNodXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgB8AD7AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+fLW2kvLyK2g2eZM4RfMkVFBJxyzEBR6kkAdSa6iHwlDYXUUeq3EfmShDEqSIyy7g2GWUN5WwOuxnL5U5+UlWAztAjubK6h1O1AE0MokhZlVgCrZB2nIPI6Edq6L/hINa88y4tDlQgjNjbmNVAYbAmzaFyxYqBgthyCwBr7LKson7NYicb31V+nbp8zqp0ZW5rDdT8P2+nWeqMl3K8+namLFomgUKyESbX3BzzmJgVwRyCGNUtC0wa14i07SzMYBe3UduZRGXKb2C52jk4z070+6vNSvBdC4YFbqZZ5VVEUF1DBcAABQA7AKMAA9OBivbi8s7qK5tWeGeFxJHLG+1kYHIII6EEZzX08aNdQae/p5enc25J22O/8AFnw70HS/Deq6joer6hNPod0mn30VzYEJNOSAzo68InXhs9Bz8y5w/A3h/TtWlmutY8ySGO4htYoUWRg8siyOCwjVnZQsLjamCSVG5RlgzX/G/izxLp9vY6tqdxJawQJCYhMQs205DyDPzvnHzH0FZ2hatqXh+7M1nHHIrFS8MpO1ipyrAqQysDyHUqw5wRk55YYbGKg4zb5v+G62Xn94vZ1LbHQfEXwhY+HpYrnS5bcwySeWVtpjLC4MSSJLGSSQrK/3CzFcZ3MHWuGrW1jUL7WbqSWWJYInmacW8cruiyOFDvmR2Ys2xSSWJJFZ32Wb+5+orpw9GtCmo1LtjUJ21RFRUv2Wb+5+oo+yzf3P1Fb+zn2Y+SXYioqX7LN/c/UUfZZv7n6ij2c+zDkl2IqKl+yzf3P1FH2Wb+5+oo9nPsw5JdiKipfss39z9RR9lm/ufqKPZz7MOSXYioqX7LN/c/UUfZZv7n6ij2c+zDkl2IqKl+yzf3P1FH2Wb+5+oo9nPsw5JdiKipfss39z9RR9lm/ufqKPZz7MOSXYioqX7LN/c/UUfZZv7n6ij2c+zDkl2IqKl+yzf3P1FH2Wb+5+oo9nPsw5Jdh1jFbz6hbxXtwbW2klVZpxGX8pCcM20ctgZOO+K968S/BXwDongm410a5qiW8cHnQ3KyxTLLuA8vChVD5JGMMuc9QOR4H9lm/ufqK0Z9U1q50C10Se7mfTLSVpoLUuNiO3U4/PHpubGNxzw4rCYmrODpTcUnrpuiZU5t6C6NoYv4Jr/UpTaaRakLcXO3JZiMiKMfxSNg4HQDJJCgmtXw38LE8beM9c0HS7xbGaxhnlt2lXckhSVUVXx0B3csAcdcHpVZ/FOuyeGbfw+/2ZtMtpfOjgNrF9/BG4nGScMeSak8NeL/EHhTxHc63pTRfbbpHSZpY1ZXDsGPHblQeKwxmBr4qlOMoq/Ty89txSpTktjhNY0fUPD+s3OlazayWd9avsmhkHKn+RBGCCMggggkGqeK6rxxqepeKNcuPEOrCP7XOUExjUKuFUIvGfQCuWr4PGYOrg6vsqu9k/6/I5JwcHZnW2KBLCEKMDYD+J5NWKhtf+POH/AK5r/KtvR/DWqa9FPLpkEbx27xpLJLcRwqjPnYMuwHJUge+B1Ir9coShSw0HJpJJeS6HuRaUFcyqK3B4M177BeXhsQkFlcvaTs88alZkwWjClss3IwADnnGcGnXvgrxBp7263FhuNxdfYk8ieObFxx+6bYx2PyPlbB6+hq/rNBu3OvvQ+ePcwaK6J/AXiNb6zs1sElnvWmW3WC6hlEjQrukAKsRlR29eOvFNHgbxAbV7gWkJjXzdpF5Dmbyl3SGIb8yhR1Kbh1HUGl9aw/8AOvvXn/k/uYc8e5z9FdHH4A8Ry2cV0llCY5rZbtQb2AP5DEASlN+5UBIyxAC8kkYNWdK+Huq3ms3FjqEU1stvY/by1rB9raeJsBPJEZ2yFiwAIYAYYkjaal4zDpN8607O/wCCF7SHc5OirWpWT6dqdxaSxXMJicgJdQ+VKB23Jk7SRg4yfqaq10xkpJNF7hRRRVAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAV79BJp84YZGwn8RyK5TFdbd/8eU//AFzb+Vcnivz3itL29N+X6nmY34kdZa/8ecP/AFzX+Vdd4cm0MeFdSt/EUl0sMmo2bhbJk87CpcbiFfhhg7eowXU842tyVr/x5w/9c1/lUtfawp+1w0I3tpHbysz0ErwSPQdU+Ji6hB9qjtGTUU8SDWI0ZQYRGsaKiEgglvkGeBnrmrFn430m28UQXmgQXC3Wo63FqF42pyokMPEimMMM/L+/kPmHBAC/L1rzaisv7Nw/LyJabfL/AIBPsY2sem3V5oHg2TRVsJ5rmCOTU5HjFzb3Eyie3SKMt5TFB06biSFLcZCit4M8a+GdB0ywS+065ivbb7Ss89rawytciVSEYu5DrtBK7FIB656g+d0Unl1OdPkqNtvd/wDgX/yT/DsHsk1Z/wBf1c9Ej+IGlIpBt7z/AJE9tC+4v+vJJ3fe+579fam3fjzSdQt7bTrqPUI9Pfw7baVdPCqeYk0L71kQE4ZM8EEqSGPTArz2in/ZuHvfX7w9lE1/FGrQa14imvLJLhLfy4oYvtLh5WSKJYwzkDG4hMnHc9+tZFFFd9OCpwUI7LQ0SsrIKKKKsYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBDd/wDHlP8A9c2/lXKV1d3/AMeU/wD1zb+Vcpivz7iz+PT9H+Z5mN+JH2r4G8EeGbv4eeHLm50DTZZptKtZJJHtIyzsYlJJJHJJrd/4QDwn/wBC5pX/AIBR/wCFL8Pv+SZeGP8AsD2n/ola6GvkvrFZbTf3s4uaXc53/hAPCf8A0Lmlf+AUf+FH/CAeE/8AoXNK/wDAKP8AwroqKPrNf+d/ew55dznf+EA8J/8AQuaV/wCAUf8AhR/wgHhP/oXNK/8AAKP/AAroqKPrNf8Anf3sOeXc53/hAPCf/QuaV/4BR/4Uf8IB4T/6FzSv/AKP/Cuioo+s1/5397Dnl3Od/wCEA8J/9C5pX/gFH/hR/wAIB4T/AOhc0r/wCj/wroqKPrNf+d/ew55dznf+EA8J/wDQuaV/4BR/4Uf8IB4T/wChc0r/AMAo/wDCuioo+s1/5397Dnl3Od/4QDwn/wBC5pX/AIBR/wCFH/CAeE/+hc0r/wAAo/8ACuioo+s1/wCd/ew55dznf+EA8J/9C5pX/gFH/hR/wgHhP/oXNK/8Ao/8K6Kij6zX/nf3sOeXc53/AIQDwn/0Lmlf+AUf+FH/AAgHhP8A6FzSv/AKP/Cuioo+s1/5397Dnl3Od/4QDwn/ANC5pX/gFH/hR/wgHhP/AKFzSv8AwCj/AMK6Kij6zX/nf3sOeXc53/hAPCf/AELmlf8AgFH/AIUf8IB4T/6FzSv/AACj/wAK6Kij6zX/AJ397Dnl3Od/4QDwn/0Lmlf+AUf+FH/CAeE/+hc0r/wCj/wroqKPrNf+d/ew55dznf8AhAPCf/QuaV/4BR/4Uf8ACAeE/wDoXNK/8Ao/8K6Kij6zX/nf3sOeXc53/hAPCf8A0Lmlf+AUf+FH/CAeE/8AoXNK/wDAKP8AwroqKPrNf+d/ew55dznf+EA8J/8AQuaV/wCAUf8AhR/wgHhP/oXNK/8AAKP/AAroqKPrNf8Anf3sOeXc8/8AHXgjwzafDvxHc22gabFNDpV1JHIlpGGRhExBBA4INfFdfeXxC/5Jj4o/7A93/wCiXr4OqJVJz1m2/UTbe595fD7/AJJl4Y/7A9p/6JWuhrnvh9/yTLwx/wBge0/9ErXQ1mIKKKKACiiigAooooAKK5W/1DxHeeOLvRtDvdLsre0062u2e80+S5d2lknQgbZ4wABCOx6mqWj/ABES48HabqF3bjUdUvZri3htNEPnC7MEzRPLEWIAi+UPuZgAGUbiSNwB29FcrN8QtKGk2F3Y2mpahcai8sdtp1vaFblmifZMGSTaE8tuGLEDPAJyMpaeNbTWLjRX0554IL7UrmwMdzZFZJHhjmLAhmBi5iJ5UnjaVXJIAOrorkbL4j6XqMsQtbDVWivI3fTLhrQrHqWxGdlhJOQdqkjzAm4DK5HNZPhv4rpqXw80vxHqui6hHPqV1LaQWljAZ2mkRJHGwA5IIiK5OMNnOFG6gD0SiuOm+JelWskZvtP1WztVMCXt7cWwSHT5ZlVkimYt9750DFAyqWG4is4/Ee5l1jx5p0unT6fF4YszPHfNEJc/ui+5k3jOcblXI3KDkqaAPQqK5rVvG9lo+rf2X9i1HVLuGJJ73+zbQyrZxMSBJJz32sQi7nIUkKRVbUfiRpNnfLZWFnqWtXUmmx6pBDpdt5xnt3ZgHUkhf4c8kZyoGScUAddRWWdft5vC8eu6XDcanbT26XECWyYkmRwCpCuVxwc4OCOe/Fcb4V8fSQ+BNH1DXhq2o6xrex7Ww+zwCa4JiR38hU2jyFBJ3yHIH3myVBAPRqK5F/iVoo8P2uqW8GoXbXF29h9htrUyXUV0kbyNA8Q5Vx5ZHPHIOdp3VXuvijptlDcTXOia+kViYv7RkFgWWwV4Y5cyYPO1ZRuCbmXaSRjBIB21Fc9o3jK01jXJNJOnapp1yITcwDULQwi6hDBTInpgsmVfa43DKiuhoAKKKKACiiigAooooA534hf8kx8Uf9ge7/8ARL18GmvvL4hf8kx8Uf8AYHu//RL18G00B95fD3/kmXhf/sD2n/ola6Kud+H3/JMvC/8A2B7T/wBErXRUgCiiigAooooAKKKKAOQ1j4faT4l8W6hqHiXS9P1KzuNLgsYRPHulhZZJ2kKtjKZEqYZSDle2Aawr3wJ4g/sfwwZpLfUrvQra4sJobW/uNN+1QMUEciyxHKuFgjLRnKEs2CNqmvTKKAPLprOXwEmg6lv0Gwuo/t8M2n32tShJluJo5S6XMwLPIvlIWDLzufGMDL/A2lXmt6domtq1msVv4k1XUJPJnMqSJI11GDE+0b13SAhiFyvPoK9LmgiuYWiuIkljb7yOoYH6g0+gDzzw14U1/SfElhNFZWWi2MHmfb4dO1OaS0vN0Z/1Vo6bID5m1yVII+YZfcTSeDPA+saD4c8L6Tfm0/4p3VriczRysftMLwXCqwG35W3XABU9ApOTwK9EooA8h8d/Dzxb4qg8TaZG9pdRarPHLZX13q1xGlnEoj/c/ZVRkzlH+Ydd+TyMVtal4H1ifWviCbY2jW3izSlgt5nlZTbzJbmEK6hTlTu3bgeMYxXolFAHEz6L4j0Lxfrur+GbPT9QTXUt2cXt40Btp4ozHnCxNujKiM4zuzu7HId4U8EXXhrX7Sc3UNxaWnhyz0cMAVkeSF5Cz7eQFIcY+YnqPeu0ooAxPCei3GheBNH0W7eJ7mx0+K1keIkoWRApIJAOMj0Fc7B4X8RaDpng2fSV0++vdA0k6Ze2ksrRrcI0cO5opdpwwe3TAZcMGOStd7RQBxGl+FNb/tK11bV5LBLt/EEurXMFs7tHFGbF7SONGKguwHlsxIUEl8DgA2dT8KX17oHjqxiltxL4i837IWZtqbrGG3G/jj542PGeCO/FddRQBj3GkTy+ONP1lXjFva6ddWrqSd5eWS3ZSBjGMQtnnuOvONiiigAooooAKKKKACiiigDnfiF/yTHxR/2B7v8A9EvXwbivvL4hf8kx8Uf9ge7/APRL18GmmgPvP4ff8ky8L/8AYHtP/RK10Nc78Pv+SZeF/wDsD2n/AKJWuipAFFcxceJrq38WSaIRa+YJFueSQY7DyWzK3PJ8+No+OgdCQe+BZ+LtduYZo9Xht8rLo80EsEUluJI7m78tiAJmcrhON+wnkPHjggHo1FcGvjHVoGuf7Qn0uHz4ZZtPxbysrJ5yRxOsiM6zq3mp8o8t8lRtAfK4ureMtYtmsbvVbPy7rStZnt5Y1XylZP7PaUPIqSS4RRJuO1nO1MgbvloA9Worgo9U1vTtQ1S6W7sbi2GtWNrOpt3zKZorOMtGfMxGoMhYA785xnub3i7xBrOlHVW0h7FE0zSTqTC6t3lMuPMyg2yLtzsHzc454PYA6+iuOm8Savo+qzWmryWFzDatZy3Fxb27w4huXmhGFaRsFJI0ZnLY2FuAQCei0O6u7/Q7S81CH7PPcxiYwFCphDfMqMCT8yqQrHuQTgdAAX6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOd+IX/JMfFH/YHu//AES9fBtfeXxC/wCSY+KP+wPd/wDol6+DqYH3l8Pv+SZeF/8AsD2n/ola3LmZ4IC8VtLcsD/q4ioY/wDfRA/WsL4ff8ky8L/9ge0/9ErXRUgMg3chu1uj4avDcIhjWYm23qhIJUN5ucEqDj2HpVCy03TdMjkj03wMLRJHjkdYILOMOyNuRiBJyVbkHseRXTUUAc0mn6fFNeSxeCNkl+rLdusFoDchjlhIfM+cHJznOadY2llpiRppvgtrNIpTNGtvFaRhJCuwuMScMV+XPXHHSujooAwYlhgtRbQeEZo4A8biJEtQoaMKIzgSYyvlpg9ti46CpJ5vtQmFz4XuphPF5E3mC2bzI+fkbMvK8ng8cmtqigDFml+0/aPtHha5l+1QiCfeLVvNjG7CNmX5l+duDx8x9TVj+1Lz/oA6h/38t/8A47WlRQBm/wBqXn/QB1D/AL+W/wD8do/tS8/6AOof9/Lf/wCO1pUUAZv9qXn/AEAdQ/7+W/8A8do/tS8/6AOof9/Lf/47WlRQBm/2pef9AHUP+/lv/wDHaP7UvP8AoA6h/wB/Lf8A+O1pUUAZv9qXn/QB1D/v5b//AB2j+1Lz/oA6h/38t/8A47WlRQBm/wBqXn/QB1D/AL+W/wD8do/tS8/6AOof9/Lf/wCO1pUUAZv9qXn/AEAdQ/7+W/8A8do/tS8/6AOof9/Lf/47WlRQBm/2pef9AHUP+/lv/wDHaP7UvP8AoA6h/wB/Lf8A+O1pUUAZv9qXn/QB1D/v5b//AB2j+1Lz/oA6h/38t/8A47WlRQBm/wBqXn/QB1D/AL+W/wD8do/tS8/6AOof9/Lf/wCO1pUUAZv9qXn/AEAdQ/7+W/8A8dq7bTPPAHltpbZif9XKVLD/AL5JH61LRQBzvxC/5Jj4o/7A93/6Jevg6vvH4hf8kx8Uf9ge7/8ARL18HUwPvH4e/wDJMvC//YHtP/RK10Vc78Pf+SY+F/8AsD2n/olK6KkAUVzWsS6rbeILL7HqkjyXNzGkOmJDH5Rt1K+fLKxUvlQzYYMq7jCpBJO6LSTrEfjJ7afW5NUt0t5Wvo/IijitJmeNoI0KqGz5ZkyGZjjaxxuXIB1VFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHO/EL/kmPij/ALA93/6Jevg6vvH4hf8AJMfFH/YHu/8A0S9fB9MD7w+Hv/JMfC//AGB7T/0Slbl1dR2cBllWVlBAxFC8rf8AfKgn9Kw/h7/yTHwv/wBge0/9EpXRUgOVki0GXW5NXMOvLeSeWHeOPUEVgmdqlFAXaMsduMZZjj5jlumWvh/SLo3Gnwa9GzSvMyMmoPGzuSWYo2VJJJPI6811lFAGX/wkFn/zx1H/AMFlz/8AG6P+Egs/+eOo/wDgsuf/AI3WpRQBl/8ACQWf/PHUf/BZc/8Axuj/AISCz/546j/4LLn/AON1qUUAZf8AwkFn/wA8dR/8Flz/APG6P+Egs/8AnjqP/gsuf/jdalFAGX/wkFn/AM8dR/8ABZc//G6P+Egs/wDnjqP/AILLn/43WpRQBl/8JBZ/88dR/wDBZc//ABuj/hILP/njqP8A4LLn/wCN1qUUAZf/AAkFn/zx1H/wWXP/AMbo/wCEgs/+eOo/+Cy5/wDjdalFAGX/AMJBZ/8APHUf/BZc/wDxuj/hILP/AJ46j/4LLn/43WpRQBl/8JBZ/wDPHUf/AAWXP/xuj/hILP8A546j/wCCy5/+N1qUUAZf/CQWf/PHUf8AwWXP/wAbo/4SCz/546j/AOCy5/8AjdalFAGX/wAJBZ/88dR/8Flz/wDG6P8AhILP/njqP/gsuf8A43WpRQBl/wDCQWf/ADx1H/wWXP8A8bo/4SCz/wCeOo/+Cy5/+N1qUUAZf/CQWf8Azx1H/wAFlz/8bo/4SCz/AOeOo/8Agsuf/jdalFAGX/wkFn/zx1H/AMFlz/8AG6vWt1HeQCWJZVUkjEsLxN/3ywB/SpqKAOd+IX/JMfFH/YHu/wD0S9fB9feHxC/5Jj4o/wCwPd/+iXr4PpgfeHw9/wCSY+F/+wPaf+iUroq534e/8kx8L/8AYHtP/RKV0VIAorIl8SWkWoNZeVcNOL9bBUCj53MAnLDJ+6I9xJ65RgATgGi3jGJ4H/0O8sJ0nsh5V5bqWaK5uBEj7Q427iHGGIdMZZDwrAHS0Vg2fiyG9ju5YdM1MwW/miKVYA4uTE5jdUCsSCGGMOEJ5IBCsRm33jyK0udNE8D2Kyag9lfwXSB5oXFs0yIvlsys7ZiwFLZ3hQN3AAOworlrbxk41S8ttR0y7gihvYLXzQi7bczRQFElO8hnMsxT93uC8FsAhjYs/Gdjc3rRT2t1Y2++4jivrry1gmaBmWUAhyQRsc/MFyqMRkA0AdDRXI6Z4k1fXNP1qa2istM+x6gIoZb9XIS28iKUSumVJYiTOwlNoIB5U5ZYeN/tnh2yug9s8919pInRJDG8UMvleciDLMXZoisQO4+YAGOM0AdjRXLW/jKGCwaXUHW5blIHtYWia7lWcW7xrDIcowmZE+ZtvzqdwGdrh43he5azi0XVJL9ZmgNmqw796xRSsNxk2ABZhyWwSpAJyu4A6eiuds/GllfRrJDZah5c9kb6ybyATexDZuMaglgQZIxhwudwIyMkUtV8bG300ywW0tpeRzz281pdxK7RypZyXKqzJJtAKqjZUvw23AJJUA6+isq+1xdO02xme2mu7q+ZYoLW2C75ZChcgF2VRhUdssw4XucA59343s7OIyS6dqW2C2F3f/uVU2ERZ13yBmBYZjk/1YfhCehUkA6WiuZn8cW0OqyWKaVqU7LdNYpLEkZWW5ERl8pcuGyUGdxAQd2GDW1pOpw6vpyXdukkYLvE8coAaORHKOhwSMq6sMgkHGQSMGgC5RRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHO/EL/kmPij/ALA93/6Jevg8V94fEL/kmPij/sD3f/ol6+Ds0wPvH4e/8kx8L/8AYHtP/RKVu3N3b2UBmvLiK3iBwZJXCqPxNYXw9/5Jj4X/AOwPaf8AolK6KkBy0x8LTeKDrr69bi5Nl9jMa36CPbuLB8ZyHG9wGByA7DvWZYaN4UsoWjPiiKZcWKoDcWyCNLSUyxKAiqOWJ3ZznJxt4x3lFAHBXOi+E7u5u55/E8RkurZrWRlubcM6F0ZfMbbmXaECDzNwKFgwbcxJJoPg283HVfEMF+XvmvmEl3Ag3m3FuANgXaFQAqRhgyg7s13tFAHJbPDL2s8Nx4khne4vba+lme7hDPLB5O0/KAAD9nQkAd2xjjGXpFloMtsR4h1yzuI0vNQlisZLuEwgTzS4Y7eWzFIRhiceY2R02+g0UAchFD4YtJ7ufTvEkNnNdXiXbNFfx4DLEsWzaeGQqvIbPJJBBClcnU4NKtNOtI7HX49Qht55bmaJby2WeWZrpLpZFLbU+WRCCh2gq55yoDei0UAebpaaHL4aGdYP2wSmeJbq+s1uIHa7FzIwZA0ZYuqsFOUOxF+XLMbXhr+zYdRutZ1nXrX7ZPey3EUT3sBZEeGGIK+wBcgQjhScZwWc/Me+ooA4efSfCE+j2GnHxFEsVhph0yJhew5aImE5YEYY/uEyCNpBYFSDimPpHhWeGZbvxRHO893JdvJ9rt0+Z7U2u0BVACiM8cZyASTznu6KAOVu5dBuvsZ/4SmCN7G6W5tWW5g/dEQmIpgjlSrPnPzZc4IwuKVzYeHLtLhJ/F/mLe2Ysr7fewE3UYd2OTt+UnzZF+TaArkADCle3ooA5JI/CseoLeDX7bzF1JtTAN5FjzWtzAR/u7WJx1z3xxV7S9S8OaTaPb22uWTI9xPcEyXcZO6WVpWHBHAZyB7Y69a36KAMz/hJdC/6DWn/APgUn+NH/CS6F/0GtP8A/ApP8a06KAMz/hJdC/6DWn/+BSf40f8ACS6F/wBBrT//AAKT/GtOigDM/wCEl0L/AKDWn/8AgUn+NH/CS6F/0GtP/wDApP8AGtOigDM/4SXQv+g1p/8A4FJ/jR/wkuhf9BrT/wDwKT/GtOigDM/4SXQv+g1p/wD4FJ/jR/wkuhf9BrT/APwKT/GtOigDM/4SXQv+g1p//gUn+NXra7t72ATWdxFcRE4EkThlP4ipaKAOd+IX/JMfFH/YHu//AES9fB1fePxC/wCSY+KP+wPd/wDol6+DhTGfePw9/wCSY+F/+wPaf+iUroq534e/8kx8L/8AYHtP/RKV0VIQUVg2HidLzxlqmgS2xgayRGhmL5+0jYjSYGPl2ebEOTzvGOhqno3xA0jVfD8OruzQQ3Mswt41VppJIo32+bsRSwXG0txhdwBNAHVUViTeMvD0AmaXVrcRwLE80obMcayFBGzOPlAbzF2knB+Yj7rYsQ+ItMnv4bJJ2FxMBtR4XXDFPM8tiQAsmz5/LOH284xQBp0Vz2keNNL1LRLa+mmW3mksba8mt1JkMPngGNMgcsxOFXG5jjA5FNv/ABpYWSrOFaeyGm3uoSSpw6C2aNXj2MAd+ZCCCQVKEEZ6AHR0VmWGqT3GrT6bd20cNxb2dvcSmOUuu6VpQUBIBIUxfewM56CqPh7xO2smxNxbrbjU9Mi1K0UHd8hVfMQnuULx88ZEgwPlY0AdDRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzvxC/5Jj4o/wCwPd/+iXr4Nr7y+If/ACTHxR/2B7v/ANEvXwZTGj7z+Hv/ACTLwv8A9ge0/wDRK10Vc78Pf+SY+F/+wPaf+iUrenghuYjHcxJKh5KyKGH5GkI4HXvDzajqGpt9m1NTdXeWkgt0+aBrdbeWLdvzhlXcDxhljJB24qNNN1ezEY06LUo4xd31y0JhKIWuJS6E+XMpby8sNpOG3Z+UgEdz/Y2l/wDQNtP+/C/4Uf2Npf8A0DbT/vwv+Fa80P5fzMHTqX+P8EcPpmi3Gn+F4dINlqchjudOn837Kgz9lFsCMeZ/F9nP03d8cyXdjqV34pj1N4NWa3i1CO9jgkjLBFWDyjEq+bsUZLPuC5JYg9M12n9jaX/0DbT/AL8L/hR/Y2l/9A20/wC/C/4Uc8P5fzD2dT+f8Eeaaf4Mk0zwx/Y1rDrXk7rS5PyFSLmEIsjB1mDhZFRQF3fIRlc8AXm8K3F9p81na2l5aXE2nahbq90XkjEtw0TozyPI7kKYQCcHcTnC9K73+xtL/wCgbaf9+F/wo/sbS/8AoG2n/fhf8KTlC3wgqdRPWf4Iyh4a0zW9Yk1vWNLt7g3NlBCltf2iPJblGlZgScjJ8wA44+XqeKreHtDlsNS0m3JkaLw9ow0z7Q0RRbqRxCWK5OcKIE5GQTLjOUYVvf2Npf8A0DbT/vwv+FH9jaX/ANA20/78L/hWZuXaKpf2Npf/AEDbT/vwv+FH9jaX/wBA20/78L/hQBdoql/Y2l/9A20/78L/AIUf2Npf/QNtP+/C/wCFAF2iqX9jaX/0DbT/AL8L/hR/Y2l/9A20/wC/C/4UAXaKpf2Npf8A0DbT/vwv+FH9jaX/ANA20/78L/hQBdoql/Y2l/8AQNtP+/C/4Uf2Npf/AEDbT/vwv+FAF2iqX9jaX/0DbT/vwv8AhR/Y2l/9A20/78L/AIUAXaKpf2Npf/QNtP8Avwv+FH9jaX/0DbT/AL8L/hQBdoql/Y2l/wDQNtP+/C/4Uf2Npf8A0DbT/vwv+FAF2iqX9jaX/wBA20/78L/hR/Y2l/8AQNtP+/C/4UAXaKpf2Npf/QNtP+/C/wCFWYIIbaIR20SRIOQsahR+QoAwfiH/AMkx8Uf9ge7/APRL18GV95/EP/kmPij/ALA93/6JevgugaPvT4e/8kx8L/8AYHtP/RKV0Vc78Pf+SY+F/wDsD2n/AKJSuioEFFZln4gsb7xDqOiws4vNPWNpQ64DB1DDaf4sArn03D1FJpfiTS9X0kalaXSCzadoEmkYKsjB9gKk9Qx+6e+RjrQBqUVRj1e1a41GKRvJGnFRPLKQqAFA+c56AHknFXs56UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc78Q/+SY+KP8AsD3f/ol6+CzX3p8Qv+SY+KP+wPd/+iXr4MoGj7z+Hv8AyTHwv/2B7T/0SldFXO/D3/kmPhf/ALA9p/6JSugkjEi7WLAf7LFT+YoEcPq3hbWZta1TUdKk+y3Nxd+THOsg3C1mtoopWHPDJJGko6E+TgEbqpR+ENWsdJhsLGwhjt0vdR8tYBb74o5ZT5IzKjqsJjJDhVL/AHMAgMp9A+xxf3pv+/7/AONH2OL+9N/3/f8AxoA83t/BniCPQNMDiSO6sZrGeUQywtK/lWXkvsMitGXEhyN4wduQQcEdx4V0p9F8N29i/mgxtIwErozKGkZgDsVUGAwG1RtXG0EgAnQ+xxf3pv8Av+/+NH2OL+9N/wB/3/xoAnoqD7HF/em/7/v/AI0fY4v703/f9/8AGgCeioPscX96b/v+/wDjR9ji/vTf9/3/AMaAJ6Kg+xxf3pv+/wC/+NH2OL+9N/3/AH/xoAnoqD7HF/em/wC/7/40fY4v703/AH/f/GgCeioPscX96b/v+/8AjR9ji/vTf9/3/wAaAJ6Kg+xxf3pv+/7/AONH2OL+9N/3/f8AxoAnoqD7HF/em/7/AL/40fY4v703/f8Af/GgCeioPscX96b/AL/v/jR9ji/vTf8Af9/8aAJ6Kg+xxf3pv+/7/wCNH2OL+9N/3/f/ABoAnoqD7HF/em/7/v8A40fY4v703/f9/wDGgCeioPscX96b/v8Av/jR9ji/vTf9/wB/8aAJ6Kg+xxf3pv8Av+/+NSxxiNdqliP9pix/M0Ac/wDEL/kmPij/ALA93/6Jevgw195/EL/kmPij/sD3f/ol6+C6Bo+9Ph7/AMkx8L/9ge0/9EpXRVzvw8/5Jj4X/wCwPaf+iUroqBBRVaDUrO51C6sbe5ikurMIbiFWy0W8ZXcO2QCRUD67pcdsJzexMjTtbJsO4vMpIaNVHLMNrfKAT8p9KANCiqK63pb6Umpx6javYSMqpdLMpjYs+wDcDj7x2/Xir1ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHO/EL/kmPij/sD3f/AKJevguvvT4h/wDJMfFH/YHu/wD0S9fBdA0fenw9/wCSY+F/+wPaf+iUroq534e/8kx8L/8AYHtP/RKVu3CzvCRayRxSZ4aSMuPyBH86CZNpXSueb6pJd6b4s1zVtHeNb2W8FiDIRt2S20KrMV6sI50TJ52oZuCareGRaeFk0+5l3NpumXGqWaxqGmmjR7hfIlEYBZ12RbdygnEgP3dxHo3kav8A8/8AZ/8AgG3/AMco8jV/+f8As/8AwDb/AOOVVl3MPbT/AOfb/wDJf/kjiNTmj8T/AGPT1sLK107F5c3UE135CyeaZIoyWVT8zpJLKyY3IxTcQfvdh4Wvbq/8M2cuotvvY1MFzIFwsssbFHkXgfIxUspwMqwOBU/kav8A8/8AZ/8AgG3/AMco8jV/+f8As/8AwDb/AOOUWXcPbT/59v8A8l/+SNCis/yNX/5/7P8A8A2/+OUeRq//AD/2f/gG3/xyiy7h7af/AD7f/kv/AMkaFFZ/kav/AM/9n/4Bt/8AHKPI1f8A5/7P/wAA2/8AjlFl3D20/wDn2/8AyX/5I0KKz/I1f/n/ALP/AMA2/wDjlHkav/z/ANn/AOAbf/HKLLuHtp/8+3/5L/8AJGhRWf5Gr/8AP/Z/+Abf/HKPI1f/AJ/7P/wDb/45RZdw9tP/AJ9v/wAl/wDkjQorP8jV/wDn/s//AADb/wCOUeRq/wDz/wBn/wCAbf8Axyiy7h7af/Pt/wDkv/yRoUVn+Rq//P8A2f8A4Bt/8co8jV/+f+z/APANv/jlFl3D20/+fb/8l/8AkjQorP8AI1f/AJ/7P/wDb/45R5Gr/wDP/Z/+Abf/AByiy7h7af8Az7f/AJL/APJGhRWf5Gr/APP/AGf/AIBt/wDHKPI1f/n/ALP/AMA2/wDjlFl3D20/+fb/APJf/kjQorP8jV/+f+z/APANv/jlHkav/wA/9n/4Bt/8cosu4e2n/wA+3/5L/wDJGhRWf5Gr/wDP/Z/+Abf/AByjyNX/AOf+z/8AANv/AI5RZdw9tP8A59v/AMl/+SNCis/yNX/5/wCz/wDANv8A45R5Gr/8/wDZ/wDgG3/xyiy7h7af/Pt/+S//ACRoUVn+Rq//AD/2f/gG3/xyrdus6QgXUkcsmeWjjKD8iT/Ok0u5cKkpOzg162/RswviF/yTHxR/2B7v/wBEvXwXX3p8Q/8AkmPij/sD3f8A6JevgukbI+lPD3x9i0Twro+l2/h17lbLT7e3Mz3gjLskSqx2hGwMg455GDx0rQ/4aQ/6lX/yo/8A2qvCLT/jyg/65r/Kuh0Dw42t2t7cG4eGK0C7zHA0xTcGPmOF5WJdh3uMlcr8pzX6dDJMrjh41KlPor6y6+jPWWHoqKbX5nq3/DSH/Uq/+VH/AO1Uf8NIf9Sr/wCVH/7VXl1l4Ve8it3F2qedpNzqYGzOBC0qlOvU+Sef9r2rY1T4aT6ZrGm2L6hg319DZK01s0RYyYPmRg8SIuQCQcgkAgZBMyyvJYT5JQ116y6b9ROjh07W/M7n/hpD/qVf/Kj/APaqP+GkP+pV/wDKj/8Aaq89t/h3fupa4u4YgNeTQ8qC2ZDnc46fKOMeue2KzIdE0+TwvdarJqcyS20yW7W4tAQZHWRkAbf0IiOTjjI4NUspyaXwwvst5dduo/Y0O35nqv8Aw0h/1Kv/AJUf/tVew+H9Yi8QeHbHVrdGjjvIVlCMclCRyvvg5Ga+La+uPhh/yTHQv+vUfzNeJxDleEwdCE6EbNu27fTzbOfFUYU4pxR1dFFFfGHAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHO/EL/kmPij/sD3f/ol6+C6+9PiH/yTHxR/2B7v/wBEvXwXQNHW2n/HlB/1zX+VbugeIZPD9wLiGwsrqaOaOeGS5Rt0MiZ2srIynvypypwMg4FeweGfgd4d1zwdoWqSXV/bSXemW00kcMi7dzRKWI3KTycnr3rS/wCGefDf/QT1X/v5H/8AG6/SKfEGXOhGnUvsr6HqLFUuWzPErXxXeWmjNYRW9qZPs0lnHeMredFA7F3jX5tuCWfkqWw5GcYxdu/H+oXWrW+opY2FtPHeQX0oiWQi4lhGIy+5zgAFhhdudxzzjHsH/DPPhv8A6Ceq/wDfyP8A+N0f8M8+G/8AoJ6r/wB/I/8A43SeeZS3zNPr0fX+r+uu4fWKB46PH+r7NOV47V/7OazMJMZGRamTywcEZ/1rZ7nA5HfEXU5l0e500LH5NzcxXLtg7g0ayKAOcYxK2eOw/H33/hnnw3/0E9V/7+R//G6P+GefDf8A0E9V/wC/kf8A8bq459lUL8qa+XbYaxNFbHztX1x8MP8AkmOhf9eo/ma5H/hnnw1/0EtV/wC/kf8A8RXp+madbaRpdtp9hEIra2jEcaA5wo9zyfqa8PPs3w2Oowp0b3Tvt5HPia8KkUolqiiivkThCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDnfiH/yTDxT/wBge7/9EvXwXX3p8Q/+SYeKf+wPd/8Aol6+C6Bo+9Ph7/yTHwv/ANge0/8ARKV0Vcn4Av40+GvhlSrZXSLQf+QVrof7Rj/utQIt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAt0VU/tGP+61H9ox/3WoAyPiH/AMkw8Uf9ge7/APRL18FV91/EC/jf4aeJ1CtltIux/wCQWr4VoGj7c8BKW+HfhpV6nSrUD/v0tdjHZwxKDJhjnqx4z6Vyfw6YJ4D8MFun9l2o6esKiuj1+D7Tos0IsmvXfAjjV9hD5G1t3Vdp53DkYyKZJPPYoyEwja3png1nVqafDcW+nW8V7cfabhIwss23bvYDk47VmOweRnX7rEkfShAxKY0saSJGzqrvnYpPLY64Hen1zniKCWTWLCe1RnubS3nuIVXq7K0WUH+8u5P+BVRJ0O9TIUDDeACVzyB6/oaZBcQ3UXmW00c0eSN8bBhkcEZFcaFnvb7U7oLJNHeQ2lwY1BO6289gVC9TuiTJXqSzDHOK0729tJor3+wgWu7tYrVbq3PysTvHysDgtGu5j04AGfQC50SOsiK6MGVhkMDkEetOrI0LdbNd6a0JgW3k8yBDg4ikyR0OMBhIoHYKv469IBCcKT7UtNb7p+lOoGFFFFADPNj87yt6+Zt3bM846Zx6UGaICQmRAI/v5YfJxnn045rmdWZrTxa2pKGxZ2cTzbQfmhLyBx9ACHxznywO9UbKCeOe4fVEZkXUori+XdlUDQbsHnlEkZOeQAgPQUxXO0hmiuIVlgkSWNxlXRgVYeoI60+s/S5LKb7XNp0ZEclxueUD5J22KC6noRwBkd1P1OhSGFNdtsbMOwJp1Mm/1L/7p/lQA+iiigBrMqIXdgqqMkk4AFJ5sflrJvXY2NrZ4OenPvmqHiLnwvquP+fOb/0A1zt7HOhh0va6W+lX1vIjcjejzIIl91VWkU+8SnPamI7ATRGNZBIhRiArbhg56YNSVg2tgV8UTRGTNrbAXkMW0/LLMXVjnPONshx/01PoK3qACiiikMKzNN8Q6dq2o31jZTF57CTy5lKFcHJBxnryCPw+lXbr7QLOb7EIzcbG8oS52F8cZxzjNcV4Z0yaz8V6tdWYmaS8u83SzwBFs1JMhQkMd7ncACpIAO49gWJm548/5Jz4k/7BN1/6JaviOvtzx5/yTnxJ/wBgm6/9EtXxJUstH234FAPw48OAjIOk2uR/2xWuljv7iFAhRZwOjM+1gPyOf0rB8BKP+Fb+GuB/yCbXt/0xWug2r/dH5UySOa8nuU2OixIfvKrbiw+uBge1R1LI8MIUzNHGGYIpYgZYnAH1Jp+1f7o/KgCvRVjav90flUU01vb7PtEkUXmOI03sF3MeijPUn0oAZRVjav8AdH5UbV/uj8qAK9FOubm1s41e7mhgRm2hpXCgn0571NtX+6PyoArEZGKWrG1f7o/KmSNFDE8kpRI0UszsQAoHUk9hQBFRVjav90flRtX+6PyoAr0U+4mt7SBprqSKGJcbpJGCqMnHJPvT42iljWSIo6OAysuCGB6EGgCGirG1f7o/KmSNFDE8kpRI0UszsQAoHUk9hQBFSMu5Sp6EYqddjoGTaysMgjkEU7av90flQBXop9xNb2kDTXUkUMS43SSMFUZOOSfelhlguYVmt3jlicZV4yGVvoRQBHRVjav90flTZGiiiaSUoiICzMxACgdSTQBDRUsTwzwrLA0csbjKuhBDD1BFP2r/AHR+VAFeipyqgZIAH0qO3mt7qBZrWSKaJvuyRsGU844IoAZTVRVZiqgFjliB1OMZP4AflVrav90flRtX+6PyoA5jx5/yTnxJ/wBgm6/9EtXxHX2942mt7r4X+JJ7WSKaJtJu9skbBlOInHBHvXxDSZSPuTwD/wAk38Nf9gm1/wDRK1f1TXbDR3gjvXmMtxu8qG3tpLiRguNzbI1ZtoyMnGBkc8iqHgH/AJJt4a/7BNr/AOiVqrqmm39j49t/EljYyanFJp50+a3heNJIf3nmLIpkZVKnkMM54QgHnFIhmnaX+n+LdCt77R7sTWck6yRzhCA3lTDIwcHqhGfx5rXrhvg1n/hU+k7gAd9zkA5/5eZa7mhgtVczJvEWlW6XLT3YiFreR2MpdGG2aTZsXkc581DkcYOc8HEd266zLPa6ddxpLYXCx3SyW7MpJRZAmcrkYdGOD6A8ZFc5rngq51vxpdCUtFoV9YtJM0cnzi88qS2ztPQGCbqB1iXOMc7PgnT9TsvDvneIoo49Zvp5Lu+WJtyh2bCqDk/djWNOp+71PWjQWtzoazdX8QabobW0eoTSCa6Zlggggknll2jLFY41ZiAOpxgZGeorSrj/ABZol3deJdL1aCzvtQtoLae2nt7DUWtJk3tGyupDoGGY8MpcdVODtoQ2bc4g8S6BE+nXq/ZLxFdZkUkSRsO3I6g9+OxBGQdWsjwvp39leG7a1+wLpxBeRrZbt7ny2d2c5lYZYksSfckAkAGtegDN1vX9N8O2cV1q87QxTTLBGVieQvI2dqhUBJJwe1JqdjH4i0EwrLNbx3MYYF4cNyONyOMjBIOOGBHY1k+OdHvtYi0AabB5xs9ctLuf51XZEjEs3JGcDsOfaupoARRhQCSxA6nvWX4m12Pw14avtXlgluBawPKIokdt5VSQCVVto45YjA6mtWsrxTp8+reD9Z06zCm4vLCeCIMcAu8bKMntyaAJZNmt6Or2xkhEjLJGbm3kjZSrhhujbaw5X2NXLeL7PbRQ+Y8vloF8yQ5ZsDGSe5NMs55LqzjmntJrORxloJyhdOehKMy/kTU9ICtdaha2M1pFdTCN7ybyIAQfnk2M+3Pb5UY8+mOpFU/tVl4htbyDT7sM1ndiGRwhISeJlfaem4A4BwfUZBBxm/EXyYfAl/fySQxS6aEv7Z5gCPPhYSRrz/eZQnHJDEDrWh4V0yfSPC9la3zbr0oZrtt2Q1xIxklI9jI7Ee1PoHWxo2kLW1nDA8rzNFGqGRzlnIGMn3PWoNS1ex0j7J/aE/k/bLlLSD5GbfK+dq8A4zg8nirtcz440e91Wx0qbTYjcTaZqtvfm3UqGmRGIZVLEKGwxIyQOOtAPY2heR3wv7awudlzav5EjGMnyZDGrjg4DfLIh445x61Pb28draxW8C7YoUCIuScKBgDJrD8LQait1rt5qunmwa/1ATwwtMkjeWLaGMElSQGzGcjnBzgsMMehoAKybKQ+IvBtvJLLETqVgrNLbq2z95HyyhwGxzkbgDjrWtWR4SsbjTPBWiWF9H5Vza6fBDNHuB2usahhkcHBB6UAXdOs/sFhHbmTzCpYs+MZJYse5PU9SST3JOTSanqlloumT6jqlylraW67pJZDwB0H1JJAAHJJAHJq3WF4v0291PQVGlost3a3dveRQPL5azmGZJPLLYOMhSAcYzjNAdCaw1nSfE0F9Z20jyGIeTd208MkEsYdcjcjhXUMp4OOecHirunWQ0+yWAOZDud2Y92ZizdSTjLHGSTjqT1rI0OHUbnxJqms6hpzabFcW1tawQTTI8pETSszsELKuTNgAM3C5OM4roaARS1bV7DQtNk1DV7lbW0jZFeZwdqlmCLnHQbmHPQdTxUGm65p2vC6gspJvMgwk8M9vJbyxhhlSUkVWAIzg4wcHB4NYPxXLj4b3xjVWf7RabQxwCftUXU4OPyqzo+n6jeeOr/xHf2M2mQmxi0+C2mmjd5QrvI0rCMsqjLhVG4nhiQMijoK+thni2yax+FvidZZRNK+lXTO6psBIgKjAyccKO/XP0r4nr7k8ff8k18Tf9gi6/8ARLV8NVLNEfcvgH/km/hr/sE2v/ola6Cuf8A/8k38Nf8AYJtf/RK10FMkhtbS2sbZbext4raBM7YoUCKuTk4A45JJ/GpqKKACiiigAooooAKKKKACiiigAooooAKKKKAILqxtL3yfttrDcfZ5RND5sYfy5B0dc9GGTgjnmp6KKACiiigAooooAKKKKACiiigAooooAiubWC8gMN3BHPExBMcqBlJBBBwfQgH6ipaKKAOf8f8A/JNfE3/YIuv/AES1fDRr7k8f/wDJNfE3/YIuv/RLV8N0mUj7l8A/8k38Nf8AYJtf/RK10Fc/4B/5Jv4a/wCwTa/+iVroKZIVhaX4x0fV7+C0tJbhZLqEz2rT2ksKXMYxlo2dQHxuU8diD05rcOSDg4PY15xoPgvxFB4o8Panq/kE6VDNFdTvrFxdvdPJEqmRUkQCMblztBA+b2GWJ3PSKKKKQzC07xlouq6lHZWdxKXn3m2lkt5Eiutv3vKkYBZMdflJyASMgZrdriNA8MazpniK2ljjtdL063Egngsb6V7e73DjZauuy3+fD/IxI5X5txNdvTYlfqFckPHFpqOuaNaaIbiaC7vpIZLlrOUQTItvM5McxUI3zxryCcgHGRzXW1xGjaB4itf+Eb02/h002Ph+X5byK5fzLmNbaWBP3JjwpxIpPznBBxnigHc7eiiikM47SPE11rfxJ1jSY2ntrLR0RfLNm4Fw7D5i0jLhQCV2gH5hlhuHTsa5/R9CudP8YeI9WmeFoNUa2MKoSWXy4tjbhjA56YJroKbEgrm38eaDHfpayy3aGS8FjFM1jMIZbjzDGY1k2bSQwI644PocdJXi3mPbf2B4O0u40u8jsPEyuPKvzJeeXHcySt5kJjBXaoO5yxBxkZ3AgSuJux7TRRRSKOQ0jx5ZSyvaam1wtx/alzYiVLKXyFZbl44kaULsDFdnfqe2RXX1y58M3h8OCw8yDzRrn9o7tx2+X/aH2nHT72zjHTd3xzXUUxK4Vlahqq2fiDSLFryGE37TKsD2zu85SPd8rhgseACTuBz0GDWrXE+JZEm+Kvgu3hdZJ4DeTzRKctHGYGQOw6hS3ygngnihAztqKKKQzlNM8YQ/2zqOn6rcKJzrLWGnwxRszyKIIpCcKCcDexLHAAxkjiurrhrPwJd6d44vfFNncQpe3V8RIhZik1kyRBkbI+WRXjLqV64Ck4Py9zTYlfqFYms6rc2PiLw7ZwFfK1C6linyuTtW3kkGPT5kFbdY2r6RPqGv6BfQvGsWm3Us0wckMwaCSMbeOTlx1xxmgGbNFFFIZz3j/wD5Jr4m/wCwRdf+iWr4aNfcvj//AJJr4m/7BF1/6Javhqkykfc3gH/km/hr/sE2v/ola6Cuf8A/8k38Nf8AYJtf/RK10FMkKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKTAznHPrS0UAFFFFABRRRQAUUUUAFFFFAHPeP/8Akmvib/sEXX/olq+Gq+5fH/8AyTXxN/2CLr/0S1fDVJlI+5vAP/JN/DX/AGCbX/0Stbs00dvA808ixRRqWd3OAoHJJPYVheAf+Sb+Gv8AsE2v/ola09W0q11rT3sr9XaF2ViEkKHIORyPcUyTEOsa5dMNY06yD6RHwtoyYuLuM9Zlz90jA2ofvAtnBK46CxvrbU7GK8sZlmglGUde/t7EHgg8g8Vxlrrkln4Iu9Oun1Q6usdzHGWtrh5NxZ/L/ebT2K4OfSul8OaPDo+lgRibzrnE9yZpWdmlKjcTk9eKZKNaiiikUc9Z+MbW78RQ6I2n6jbXs0LThJ4QNsa8F2wxwM4AJ6niuhrkfCmneKNPvbifxDa6TPcX0pku762vZCwUAiKNIjCMIowAC/Uu3JY566mxIKwtO8X6Tqt9bWVlJI93OszPAUw9uIn2P5gPK4f5fc9MgE1u1x3h/wAMavpHiy61y4nt5pdaBOqx+adsJj4txDiMbgqEo27bnhuPukB3OxooopDOdtPG2lXupxWsK3PkXE8lrbXzQkW9xMmdyI/cja2CQFbaQpOK6KuU8MaNrvh20stEQWDaRZPIq3RnZriWHLmNDH5aqrDKAtuOdp4y3HV02JXCsePxNZS29nIkc+68v5NPjj2AsJYzIHzg4AHkyHOeg46itiuYtPCRtvHtzrW+A2Tq00Vvs+ZbqRY45JPQfJAoB6kyy5ODyBqdPRRRSGchovjJTmDVorz59Vu7FL0222AMLqRIotwxn5QihsFSeC27Irr64iPw74kaNdLl/sqPTP7bbUmuVmkeYxfazdLGI9gXcW2gtvwATwcZPb02JXCuZHjzSjqUtoIL8pBfjTp7oWzeTDOxARWb/aLAZGcEru27hnpq4mPwZqCaZrluZrXfqPiKLVIjvbCxLLA5Vvl+9iJuBkcjn0EDudtUV1cJaWc1zNny4Y2kbAycAZNS1V1O2e90m7tYioeeB41LdASpAz+dIZzkHxG0u5ezjgsNVaXUYBPpyGzI+2rjLbCTgbRjO8qMEEEggnf0bV7bXdJi1CyEqxSFlKTxNHJG6sUdGVuQVZWBHqKwdH8LXuny+Emmlt2Gi6RJY3GxmO+RlgAKccr+6brg8jj02fD+mzaVpstvcMjO97d3AMZJG2W4klUcgc7XAPvnr1p6Eq/U06zNc1VtNt4o7REmv7uQQ2sLE4Zj1Y4BIVRlifQe4rTrA19JNO1G08QRK0qWiNBdR/M2IHILSIozhlIBOByoI7CgbKB1LxOOuoeFx+/+zffl/wBb/wA8/vfe/wBnrWzoN/fXkN3Fqsdul3Z3Jgka2LGN/kVwRu5HDgY55FcYdW8MHxd/wkI8SW/2veF2fYTs8nbjb03eZ/00z04xjiuq8L3cOoHV7+0LPa3N/vhlKFRIohiUkZAyNysM+xpiQzx//wAk18Tf9gi7/wDRLV8NV9y+P/8Akmvib/sEXf8A6JavhqoZoj7m8A/8k38Nf9gm1/8ARK10Fc/4B/5Jv4a/7BNr/wCiVroKZIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVS1PVrPSYBLeybd2diAZZyPQf16U9yZSjFc0nZF2iuZHjvTC2DBdAeuxf/iq37O9tr+3E9nKssZOMr2PoR2NNxa3MqdelVdoSuYvj/8A5Jr4m/7BF1/6JavhqvuXx/8A8k18Tf8AYIuv/RLV8NVDOlH3N4B/5Jv4a/7BNr/6JWtK71P7JqNrbPbSMly/lpMpXG/azYxnPAQ5OOMjrzjN8A/8k28M/wDYJtf/AEStbTW6teR3JPzxxvGBtXoxUnnGR90cAgHuDgYZJmr4gEmlm9jsbgBZZY5EkZF8ry928s24qBlCAc9SOgyQQeIYp7+ytjazRNeRiSMSMgcKY9+5kzuVRjbk/wAXHcEpdeGre60xrH7VcxQvdtdPsKHezOXKkMpBXcehHYZzzmQaHu1O3vJ9RvJzbv5iRSeXtD+UYyeEBGQScAgZJOKegtTVooopDCiqkEl6+qXazQpHZIsawMT88j8l24JGzBQDODlX4xtJt0AZutX1zaQ20Ngitd3twLeJnGVj+VmZ2GRkBUY47kAd6xgt+lvBdabruo3d1dKWhhvbMLDMUUkqwEamLOOCSP8AgVbOt6fcX1rC+nzrBe2kwuLdpBlGYKVKt32srMpI5GcjpXPxWviJzHHbx6layHcBJe3kMsFru6suz95MQCdok46E9KZLOp069TUtLtb6FWWO5hSZVbqAwBAPvzUeqsy2q7SRlwDg+xqWws49O022soCxitoliQsckhQAM+/FR6nG8lqojUsQ4OAM9jSGY+9/7zfnRvf+8350/wCzT/8APGT/AL4NH2af/njJ/wB8GgBm9/7zfnRvf+8350/7NP8A88ZP++DR9mn/AOeMn/fBoAZvf+8350b3/vN+dP8As0//ADxk/wC+DR9mn/54yf8AfBoAZvf+8350b3/vN+dP+zT/APPGT/vg0fZp/wDnjJ/3waAGb3/vN+dG9/7zfnT/ALNP/wA8ZP8Avg0fZp/+eMn/AHwaANTS3Z7Q7yThyBn0wKu1T0yN4rUiRSpLkgH8KuUDCiomE5uoykkYgCsJEKEszcbSGzgAfNkYOcjkY5loAK8uvpbnxF4gkNuGlMjlYgeAqDpn0GOT+Jr1GvNrwXvhXxK8tofLG4tF3V4yfun19D7j6GtafU8nM0+WF/hvqZj2EovDBEDKN+1ZFRgrc9eRnFbvhWSfTPFcumuVYMzxSbTxuTJyPyP51lT6/qUlxI8N/ewxsxKR/anbYM8DJPOK1fBtlcXmuHUZC5SHcWkbne7AjGfXnJ/+vWsvh1PKwyXt4+zve/4dTe8f/wDJNfE3/YIuv/RLV8NV9y+P/wDkmvib/sEXX/olq+Gq5GfWo+5vAP8AyTbwz/2CbX/0StdBXxZZfGv4gaVYW+n2Gv8AlWtpEsEEf2K3bYijaoyYyTgAcnmp/wDhfXxJ/wChk/8AJG2/+N0XFY+zKK+M/wDhfXxJ/wChk/8AJG2/+N0f8L6+JP8A0Mn/AJI23/xui4WPsyivjP8A4X18Sf8AoZP/ACRtv/jdH/C+viT/ANDJ/wCSNt/8bouFj7Mor4z/AOF9fEn/AKGT/wAkbb/43R/wvr4k/wDQyf8Akjbf/G6LhY+zKK+M/wDhfXxJ/wChk/8AJG2/+N0f8L6+JP8A0Mn/AJI23/xui4WPsyivjP8A4X18Sf8AoZP/ACRtv/jdH/C+viT/ANDJ/wCSNt/8bouFj7Mor4z/AOF9fEn/AKGT/wAkbb/43R/wvr4k/wDQyf8Akjbf/G6LhY+zKK+M/wDhfXxJ/wChk/8AJG2/+N0f8L6+JP8A0Mn/AJI23/xui4WPsyivjP8A4X18Sf8AoZP/ACRtv/jdH/C+viT/ANDJ/wCSNt/8bouFj7Mor4z/AOF9fEn/AKGT/wAkbb/43R/wvr4k/wDQyf8Akjbf/G6LhY+zKK+M/wDhfXxJ/wChk/8AJG2/+N0f8L6+JP8A0Mn/AJI23/xui4WPsyivjP8A4X18Sf8AoZP/ACRtv/jdH/C+viT/ANDJ/wCSNt/8bouFj7Mor4z/AOF9fEn/AKGT/wAkbb/43R/wvr4k/wDQyf8Akjbf/G6LhY+zKrXtha6jb+TewrLHnIB4IPsRyK+PP+F9fEn/AKGT/wAkbb/43R/wvr4k/wDQyf8Akjbf/G6dyXFSVmfVaeCtIScyMszr/wA82k+Uflg/rW7BBFbQrDbxrFGv3UQYAr43/wCF9fEn/oZP/JG2/wDjdH/C+viT/wBDJ/5I23/xum5N7kU6FOn8EUj6r8f/APJNfE3/AGCLv/0S1fDVdnffGv4garp9xp9/r/m2t3E0E8f2K3XejAqwyIwRkE8jmuLzUmyP/9k=)

**Program No: 07 Date:20-09-2022**

**Aim**:Web application to implement implicit intent

**Program Code:**

**activity.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<EditText

android:id="@+id/t1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="http://www.google.co.in"

android:textColor="@color/design\_default\_color\_secondary"/>

<Button

android:id="@+id/btn1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="click"

android:textColor="@color/design\_default\_color\_error"/>

</LinearLayout>

ManActivity.java

package com.example.myapplication7;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

EditText et1;

Button b1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

et1=findViewById(R.id.*t1*);

b1=findViewById(R.id.*btn1*);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String url=et1.getText().toString();

Intent i=new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*(url));

startActivity(i);

}

});

}

}

**OUTPUT**

![A picture containing shape

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDiRXhpZgAATU0AKgAAAAgABAE7AAIAAAAIAAAISodpAAQAAAABAAAIUpydAAEAAAAQAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHZhaXNodXMAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzQ5AACSkgACAAAAAzQ5AADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIyOjExOjAyIDE3OjM0OjExADIwMjI6MTE6MDIgMTc6MzQ6MTEAAAB2AGEAaQBzAGgAdQBzAAAA/+ELGmh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjItMTEtMDJUMTc6MzQ6MTEuNDg2PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPnZhaXNodXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgB8QDyAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A8dtvBl3Hei21RWtrjKKbZ0YTF3QsiCLG9i2AAQNuWXLAMDWr/wAIZeW9nrlyPIjh0V/LlY5QzMJUiIQEAnaZELZA2hlzgsAXvr5lkj87QNPkghjEMNuyzlIo/nYqp8zdy7lySxbIABC5UyyeL9Xkt9TgNtaCHUo2jdPsgJjVpUkO1zlicooyxY987gGH6Ph8A8MkqUEtrt7+evf8F0OxU2tkY+ladJq+sWemwSRRS3k6QI8zbUUswALHsOa6/wAT/DVNA0W71C08S6XqJ02VLXUbZGZJIbknBjQEfvAOfm4+63HynHIafdXmlana6hY7o7m0mSaF9mdrqQQcHg8joa6vxJ8Sdd8Q6KdLNtbWVtcqjaiLe1jU304YMZnIUEMSq9PT8K6q0MU6sfZ/D1/q3bbzKcZ30M3wj4btNcknn1W+WzsoJI4stKkXmSuHZUMjnbGNschLnONoAViQDc8feBn8H3g2+asRlMLxTOrtG4VWBDqAHjYN8r7VJKuCoK85/hfxFdeG7wuLZ54GljmKK2x0ljzskRsEBgGcfMrKQ7Aqe0ev67c61J5UcdxFYpKZYoJmV2QlEQjcqINoEahVChVHAAFL2eJ+s3+wHLK5h0U/ypP+ebf980eVJ/zzb/vmu3ll2K5WMop/lSf882/75o8qT/nm3/fNHLLsHKxlFP8AKk/55t/3zR5Un/PNv++aOWXYOVjKKf5Un/PNv++aPKk/55t/3zRyy7BysZRT/Kk/55t/3zR5Un/PNv8Avmjll2DlYyin+VJ/zzb/AL5o8qT/AJ5t/wB80csuwcrGUU/ypP8Anm3/AHzR5Un/ADzb/vmjll2DlYyin+VJ/wA82/75o8qT/nm3/fNHLLsHKxlFP8qT/nm3/fNHlSf882/75o5Zdg5WMqextvtuoW9qZ4bYTyrH507bY49xxuY84UZyT6VH5Un/ADzb/vmjypP+ebf980nGVg5We2a7+zvb6J4du9Tm8YRItpE8rvcWRSM4HAyrsRzxwGJyMDPXx/SdBbXJ5AxigtbdPMurucfu7dOm4nrkngKOWJAAJNa19438S6j4Ls/C13dSPplo+5FKnewGNiM3UqvO0ds99q7XN4qkbwXB4a/sKyW1iuRdPMqyCWaUKy5Zt3PDHjGBXmUaGMjTca75232Wi7+vkQoztqUtJ+F+oeKPEur6N4bkie602KaVY522eeI3VNqnoGO4YycepHWuIuLaezupba7hkguIXMcsUqlWjYHBUg8ggjBBr1DwZ4+1Dwd4xvvEEOnR3U17HJHJE+5VG91ckH6qPXiuZ+Imt3Hi/wAWXfiWezFq92YxJEmSq7UVAcn/AHf1r5zM8qqwlKtThaCSb9eun9IxnSktbHJYopaK+aMDtaK2tG8K3+u6Jq+p2LweXpKJJNE77XkUhydgxg4WNmIyOBxmpofBOsXPhe01u1hFwl5dfZre0gDSXEnDneEUH5f3Ug9cqeMc1+2SxNGLalJKzt82r/kfQc8V1OfoqWS0uIrWG5lt5Ut5ywilZCFkK43BT0OMjOOmRWunhHU38Ev4pVU+wpc+QVORJjgeYBjBTcwXIP3jjFXKrThbme7t8+w3JLcw6K0ZfD2tQaZ/aM2kX8djtVvtT2ziLDY2nfjGDuGOecj1ovvD2taXardanpF/Z27sFWW4tnjRiRkAEgDOATQqtNuykvvDmRnUV0WueELjSJr5Ypnu1tdUbTF22soMrgZBB2lMn+5vLe2OazpPDutw6nFps2j6hHfTLvitWtXEsi88hMZI+U8gdj6VMMRSnHmUhKSZnUVt2ng7X7yTUootKu1m0yFZrmF7dw6BiAo24zkg7gD/AAqx7VD/AMI5qU97FaaZaXOozyWsd0Y7a1lLKjKDypUEgbh8wypyCCc0e3pNtcy0Dmj3MqitO18M69fPMllomo3DW8himWG0kcxuOqtgcEeh5qpZ2sdxfLb3V1FYKSQ01wrlUwD1CKzdRjgHk1ftIO9ne3bUd0V6K2dc8O/2LY6deJqthqEOopI8P2UyBlVG2EsrorAFgwBxztb0rGop1I1I80dv8tATTV0FFFFaDCiiigAooooAKKKKACiiigAooooAKKKKACq2oRiXTp1boELflz/SrNQ3f/HlP/1zb+Vc2KipYeae1n+RM9Ys5HFFOxRX4qfPnsvgjxRY+G9J1E3ZEksl5ZuLYxb/AD4V81Z05BXlJCvP97itfU/Flg1lBYeE2eefTtYshpMBtjumjhjkAchVGS8zlsH5iZOnp5rQCVYFSQQcgjtX7HUy+lOq6r3f3aW/y/FnvOlFvmO4+K95ajxZ/Y2lBo9P0pXRIRKGWOWV2mlAC8KQz7CBnHlgZ4reh8YeDYRF4aktPM04aUdNbWlkldVLgSvKLZ16+fznr8oxwAK8poqHl1OVGFKUn7vZ21/m9d97rV3TF7JOKT6Hsmu6rpuh6PY3V5fk3V74Hg0+GwSJizGQcSFsbQo5OM5yOlVPiPe6fp2oeKIjrEst5qlrYQDTUiYLGUEUnmOx+UgKmBjJzIwwBk15MST1OaCSTknJrGllUac4zc27emuqa+St6+ZMaKTTuevp8Q/DtjNLc7/t+PGEmprB5LAtbtCUEo3ADcGIIUkHIHTrWHpmo+HdNu4tPvfFN9qlotneJG4SeG0jeXG1HVSJSjbSXCjGSvUbjXnlFaRyulBNRk1f087dNLXe3zuNUYrZnqGueIPDOpak9rbatHDaSeF4dNFytpNsSeOZH27SC+CI8Z+bGRyeapnxHouoaXf6NLqjWKX2maXH9rMLtGsltGA8bqqliMnggEZUdua87oqo5bTjFRUnpbtumnfbyXkNUkla56jrHjvSb/zJbW/uFk/4SCyug0qMJHhhtxG0pKjGSyg4znnpXE69cWWsePtSuY7sRWF7qcsi3TRsQsTyk79uN3AOcYzWJRWuHwNPD/w29rdPLy8hxpqOxu+MtZh1vxLNJYbhptqq2mnoWY7LeMbUxu5GQNxB7sawqKK6qdONKChHZFpJKyCiiitBhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUN3/wAeU/8A1zb+VTVDd/8AHlP/ANc2/lXPif4E/R/kTP4WcrRRRX4ofPn2r/wpXwP/ANAhv/Aub/4uj/hSvgf/AKBDf+Bc3/xdddNrljD9ozMrC3t1uCVZTuU5xt55PH/jy+tWF1CyacQrdwGU4xGJRuORkcZ7jn6V3f2hj/8An7P/AMCf+ZKxqbsqn4+v+TOJ/wCFK+B/+gQ3/gXN/wDF0f8AClfA/wD0CG/8C5v/AIuu3N5CfI8thKJ3KIyHIyASeR/un8aZHqVq9u0zypEi8kyOB8pYqrdfutjg96P7Qx3/AD+n/wCBP/Mr61rbn/H+u5xf/ClfA/8A0CG/8C5v/i6P+FK+B/8AoEN/4Fzf/F13LXdujOr3ESmMFnBcDaAAST6YDKfxHrS/aIfOMXnR+YOqbhnpnp9OaX9o47/n9P8A8Cf+ZX1iX8/4nC/8KV8D/wDQIb/wLm/+Lo/4Ur4H/wCgQ3/gXN/8XXdRzwzY8mVJMorjawOVOcH6HBwfaoU1SwkVmjvrZ1RN7FZlO1fU89Pej+0cd/z+n/4E/wDMTxTVrz38zi/+FK+B/wDoEN/4Fzf/ABdH/ClfA/8A0CG/8C5v/i67b+0LIRCX7XB5Zfyw/mjG7+7nPX2ol1GyhjSSa8t40kXejPKoDLxyDnkcj86f9oY7/n9P/wACf+YvrWl/aficT/wpXwP/ANAhv/Aub/4uj/hSvgf/AKBDf+Bc3/xddkNSgWS5W5eO3WCYQhpJAA58tX7+zHj2zU7XMCW4uHmjWEgESFwFIPTnpzkUf2hjv+f0/wDwJ/5gsU5XtPbz7HDf8KV8D/8AQIb/AMC5v/i6P+FK+B/+gQ3/AIFzf/F12ralYpEsr3tusb5KuZVAbBwcHPY9allmEUkKEZ819g+YDHylu/Xp0HP4A0v7Rx3/AD+n/wCBP/MaxLe0+3XvscL/AMKV8D/9Ahv/AALm/wDi64ia3+BkFxJC825o2KkxtdupIOOGGQR7g4Ne2xXtreRv9kuYZ9q5PlSBsA5x0+h/KviSvpMjp18xdT21eouW20n1v3v2OzCt103zu3kz2vZ8Cv8Ano/5XtGz4Ff89H/K9rxSivonlMIvleKqX/x/8A7lhm1dSl957Xs+BX/PR/yvaNnwK/56P+V7XilFS8sprfFVP/A/l276D+qye0pHtez4Ff8APR/yvataZpXwU1jU4NPsGD3Nw+yJXku4wzdhuYgZPQDPJwBya8Kra8F/8j7oH/YTtv8A0atKtlLhSlOOJq3Sb+P/AIBnKg0m+Z/efRf/AApXwP8A9Ahv/Aub/wCLo/4Ur4H/AOgQ3/gXN/8AF131Ffnn9pY3/n9L/wACf+Z5ftan8z+84H/hSvgf/oEN/wCBc3/xdH/ClfA//QIb/wAC5v8A4uu+oo/tLG/8/pf+BP8AzD2tT+Z/ecD/AMKV8D/9Ahv/AALm/wDi6P8AhSvgf/oEN/4Fzf8Axdd9RR/aWN/5/S/8Cf8AmHtan8z+84H/AIUr4H/6BDf+Bc3/AMXWL4z+EXg7TfAev31npZS4tdNuZon+0ynayxMQcFsHkV6xXO/EL/kmPij/ALA93/6Jek8xxrVnWl/4E/8AMPa1P5n958G80UUVxGZ97x6NdJp0ttuhJk0tLQtuPEihxnp907+vXjpzSpaX9zd3SPFFDC17DO7l2J+RImwg2jcNyY3ZHfirH/CP2f8Az21H/wAGdz/8co/4R+z/AOe2o/8Agzuf/jlXzs4fqNOyim7L/g6fix09tezySTYjil8jyYWRy3llm+duQM4AQgY6qR3zUd/ocd5NaoFjWzSNoZ4MY3pwUAI/usoP4n8Xf8I/Z/8APbUf/Bnc/wDxyj/hH7P/AJ7aj/4M7n/45SU2tjSWFpzTU9b7/ff8dn3WmxAmi3RtLET3KNcpMXupQP8AWIzb2QD0JCDtwPwpo8PH+yxa+YCwmznd1j2eT6fe8r8N3tVn/hH7P/ntqP8A4M7n/wCOUf8ACP2f/PbUf/Bnc/8Axyn7SRn9QodVfS2/kl9+m4tjps1oblXdHWWQrGyna0UGCVQcfwsxA9j14xWTZ2l3fPGgi8pbO3iSNnikjEjJIrj7yjGfLwQAduep6Vq/8I/Z/wDPbUf/AAZ3P/xyj/hH7P8A57aj/wCDO5/+OUKoxTwMJKMU/dV9PXz9Rg067E/24eSbk3BmMBlPl8xCPG7bnOBnO3uR71m39jeWFlcRwotzJf20kUiJHJhXLO3ykKQBmUj5sdBz1rV/4R+z/wCe2o/+DO5/+OUf8I/Z/wDPbUf/AAZ3P/xyhVGhVMBCSfK2m76+u7+a+XZFe70SeXUJLyMqzGZmWP7RJDlWjjU/MnIOY/cYPr0svYTrZWkMEcGbLy2iUu2xiFKlTkEgYPByTnBPTlP+Efs/+e2o/wDgzuf/AI5R/wAI/Z/89tR/8Gdz/wDHKXOzRYOkpSkt5b/1933epG+m3YZ5oYrIS3MLRTKchUyzMCOPm++d2cbjg/LVkWEi/wBnxqwMdlKCGdyWdRCyZPH3st+Qz7VF/wAI/Z/89tR/8Gdz/wDHKP8AhH7P/ntqP/gzuf8A45RzMqOFpxenl+Dv+erCw02azW381kPk2KW7bSeWXuOOlfGFfa1rpVvZyM8Ml2zMpUia8llGPo7EZ469a8BuP2efEy3Ei2upaXJCGIR5JJEZh2JUIcH2yfrX1vDeOw+GdX281G/Lb5X/AMz08vVLDxcL2R5PRXqn/DPfiz/n+0f/AL/y/wDxuj/hnvxZ/wA/2j/9/wCX/wCN19PUzLLakuZ1knp+DuunT/hz144unFWujyuivVP+Ge/Fn/P9o/8A3/l/+N0f8M9+LP8An+0f/v8Ay/8AxuspYzKpRcXVVnq9et7323KWOimmmtP+GPK62vBf/I+6B/2E7b/0atd1/wAM9+LP+f7R/wDv/L/8brW8L/AnX9L8VabqGpahpwt7O5S4YQO7uxRgwABVRyRjOePetq+cYB0ZJVU3Z/kc869Jxep7zRRRX5OeKFFFFABRRRQAVzvxC/5Jj4o/7A93/wCiXroq534hf8kx8Uf9ge7/APRL0AfB2KKOKKoD9E6KKKkAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK534hf8kx8Uf9ge7/8ARL10Vc78Qv8AkmPij/sD3f8A6JegD4OoooqgP0ToooqQCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnfiF/yTHxR/2B7v8A9EvXRVzvxC/5Jj4o/wCwPd/+iXoA+DaKXFFUM/ROiiipEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXO/EL/kmPij/sD3f/AKJeuirnfiF/yTHxR/2B7v8A9EvQB8HUUUUxn6J0UUUhBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzvxC/5Jj4o/7A93/6JeuirnfiF/yTHxR/2B7v/wBEvQB8HYooopjP0TooopCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnfiF/yTHxR/wBge7/9EvXRVzvxC/5Jj4o/7A93/wCiXoA+DqKMUUxn6J0UUUhBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzvxC/5Jj4o/wCwPd/+iXroq534hf8AJMfFH/YHu/8A0S9AHwbmilopjP0TooopCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnfiF/wAkx8Uf9ge7/wDRLV0Vc78Qv+SY+KP+wPd/+iXoA+Dc0UlFMZ+itFFFIQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc78Qv+SY+KP+wPd/+iXroq534h/8kx8Uf9ge7/8ARL0AfBuKKKKYz9FKKKKQgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK534h/8kx8Uf8AYHu//RL10Vc78Q/+SY+KP+wPd/8Aol6APgyiiimUforRRRSJCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnfiH/AMkx8Uf9ge7/APRL10Vc78Qv+SY+KP8AsD3f/ol6APgyiiimUforRRRSJCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnfiF/wAkx8Uf9ge7/wDRL10Vc78Qv+SY+KP+wPd/+iXoA+DKKKKZR+itFFFIkKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACud+IX/JMfFH/YHu//AES9dFXO/EP/AJJj4o/7A93/AOiXoA+DKKSigo/RaiiigkKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACud+IX/JMfFH/AGB7v/0S9dFXO/EP/kmPij/sD3f/AKJegD4LooooKP0WooooJCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnfiF/wAkx8Uf9ge7/wDRL10Vc78Q/wDkmPij/sD3f/ol6APguiiigo/RaiiigkKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACud+If/JMPFP/AGB7v/0S9dFXO/EP/kmHin/sD3f/AKJegD4LooopFH6LUUUUyQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK534h/wDJMPFH/YHu/wD0S9dFXO/EP/kmHij/ALA93/6JegD4LooooGfotRRRQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACud+If/JMfFH/AGB7v/0S9dFXO/EP/kmHij/sD3f/AKJegD4Kopc0UDP0WooooEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXO/EP/kmPij/ALA93/6JeuirnfiH/wAkw8Uf9ge7/wDRL0AfBVFFFAz9F6KKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzvxD/5Jh4p/7A93/wCiXroq534h/wDJMPFP/YHu/wD0S9AHwVRSUUDP0YooooEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXO/EP8A5Jh4p/7A93/6JeuirnPiH/yTDxT/ANge7/8ARL0AfBdFJRQM/RiiiigQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc58Q/+SYeKf+wPd/8Aol66Ouc+If8AyS/xT/2B7v8A9EvQB8FZopKKBn6M0UUUCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnPiJ/wAkv8U/9ge7/wDRL10dc58RP+SX+Kf+wPd/+iXoA+CaKM0UDP0ZooooEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXOfET/kl/in/sDXf/AKJeujrnPiJ/yS/xT/2Brv8A9EvQB8E0UUUDP0ZooooEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXOfET/AJJf4p/7A93/AOiXro65z4if8kv8U/8AYHu//RL0AfBNFFFAz9GaKKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVznxE/5Jf4p/7A93/6JeujrnPiJ/yS/wAU/wDYHu//AES9AHwTRRRTGfozRXyT/wANV+N/+gV4f/8AAef/AOPUf8NV+N/+gV4f/wDAef8A+PUhH1tRXyT/AMNV+N/+gV4f/wDAef8A+PUf8NV+N/8AoFeH/wDwHn/+PUAfW1FfJP8Aw1X43/6BXh//AMB5/wD49R/w1X43/wCgV4f/APAef/49QB9bUV8k/wDDVfjf/oFeH/8AwHn/APj1H/DVfjf/AKBXh/8A8B5//j1AH1tRXyT/AMNV+N/+gV4f/wDAef8A+PUf8NV+N/8AoFeH/wDwHn/+PUAfW1FfJP8Aw1X43/6BXh//AMB5/wD49R/w1X43/wCgV4f/APAef/49QB9bUV8k/wDDVfjf/oFeH/8AwHn/APj1H/DVfjf/AKBXh/8A8B5//j1AH1tRXyT/AMNV+N/+gV4f/wDAef8A+PUf8NV+N/8AoFeH/wDwHn/+PUAfW1FfJP8Aw1X43/6BXh//AMB5/wD49R/w1X43/wCgV4f/APAef/49QB9bUV8k/wDDVfjf/oFeH/8AwHn/APj1H/DVfjf/AKBXh/8A8B5//j1AH1tRXyT/AMNV+N/+gV4f/wDAef8A+PUf8NV+N/8AoFeH/wDwHn/+PUAfW1FfJP8Aw1X43/6BXh//AMB5/wD49R/w1X43/wCgV4f/APAef/49QB9bUV8k/wDDVfjf/oFeH/8AwHn/APj1H/DVfjf/AKBXh/8A8B5//j1AH1tRXyT/AMNV+N/+gV4f/wDAef8A+PUf8NV+N/8AoFeH/wDwHn/+PUAfW1c58RP+SX+Kf+wPd/8Aol6+bP8Ahqvxv/0CvD//AIDz/wDx6qesftLeMde0O+0i803Q0t9QtpLWVooJg6q6lSVJlIzg8ZBoA8oopM0UDK1FFFAgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKVfvD60UUAWKKKKBn//2Q==)

![Graphical user interface, text, application, email

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDiRXhpZgAATU0AKgAAAAgABAE7AAIAAAAIAAAISodpAAQAAAABAAAIUpydAAEAAAAQAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHZhaXNodXMAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzcwAACSkgACAAAAAzcwAADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIyOjExOjAyIDE3OjM0OjM3ADIwMjI6MTE6MDIgMTc6MzQ6MzcAAAB2AGEAaQBzAGgAdQBzAAAA/+ELGmh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjItMTEtMDJUMTc6MzQ6MzcuNzAxPC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPnZhaXNodXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCCQD4AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+d812Xg34VeL/HKpNoulOtizAfb7o+VBjJBIY8uAVIOwMQeorrvg38KR4gt18V6/Ex0yG4MdrbPYS3KXbqpJdlQgmNWAHGQzAqehB+l5HdIrOKO3uraVZIQIFgkaKFf3e6JWjAXA4+dsry4zjcFYHhenfspX8tmrat4qtra5yd0dtZtOg+jM6E/981b/AOGTh38Z/wDlL/8At1e36V/aP/CS6k18twIZLeFog2PKjIeUFVwTzt2E98+g2iqXxAtr660CEWSXckKXIe9jtJhG724VvMHJG7I429yR1pAeO/8ADJ47eM//ACl//bqgu/2XbKwVGvvHsNsrttQzaeEDH0GZuTXsPw/tbuCG/keC/t9MmZH02K8uRJshweAvJT6E9CPQk5fjKCZdUuZDeGwuZ5FS3uZJI0i8jy1+Ri4+ZfMEm5FOcOGKuABQB51/wyeP+hz/APKX/wDbqP8Ahk8f9Dn/AOUv/wC3V7t4dtLix0k290AuyeURIOix7ztAHZcfdHZdo7VqUAfOn/DJ4/6HP/yl/wD26j/hk8f9Dn/5S/8A7dX0XRQB86f8Mnj/AKHP/wApf/26j/hk4f8AQ5/+Uv8A+3V9F0UAfOn/AAycP+hz/wDKX/8AbqP+GTh/0Of/AJS//t1fRdFAHzp/wycP+hz/APKX/wDbqP8Ahk4f9Dn/AOUv/wC3V9F0UAfOv/DJ4/6HP/yl/wD26k/4ZOH/AEOf/lL/APt1fRdFAHzp/wAMnD/oc/8Ayl//AG6j/hk4f9Dn/wCUv/7dX0XRQB86f8MnD/oc/wDyl/8A26j/AIZOH/Q5/wDlL/8At1fRdFAHzp/wycP+hz/8pf8A9uo/4ZOH/Q5/+Uv/AO3V9F0UAfOn/DJw/wChz/8AKX/9uo/4ZOH/AEOf/lL/APt1fRdFAHzp/wAMnD/oc/8Ayl//AG6mr+ygrrlPGoYZxkaXn/2tXuHjLw8/ifw1Np0N01tKSJEOSEdh0VwOq/yIB5xiuO+GPgy+0Se61jWkmtXUNFHbhjlgD8zMq/eHHyjnPUD7poA8Z8Q/szeMNLEkui3FjrUIYBESTyJmB7lX+Qc9t5NeRahp17pN9JZapZ3FldxY8yC5iaORMgEZVgCMgg/Q19xQX0/iK4N3PbX1pFa3saWlrJA6bwHQtM/HPBYAHgYJ5OMebfHvwv8A8JF4itR9llZhYqIriOIsUbzH4z36jI9/oaYHy7RWjruh33hvX73RtWhMN5ZymKRSCAcdGGQMqRgg9wQe9FMD748P6JZ+GvDtho2mrttbGBYY8gAtgcs2AAWJyScckk1o013CLk1VaRn6n8KkC5RVGimIvUVRooAvUVRooAvUVRooAvUVRooAvUVRooAvUVRooAvUVRooAvUVRooAvUVRpaALtFV45iGw5yPU9qsUhhRUN3eW2n2r3V/cQ21vHgvLM4RF5xyTwOTWfbeLPDt5cx29nr+lzzyHakUV5GzOfQAHJoA1qKKKACiqUes6ZNfGyh1K0kuwSpt1nUyAjqNuc8YNXaSaexUoyjuj5n/am8NRW+r6N4jtoGV7yN7W7dVAQsmDGTgZLEM4ySeIwOMUV2H7UQz8L9O/7DEX/omaiqRJ7Fc9FrnvF2sT6B4TvtTtEjeaBVKLICVyWC84I9a6WRN6Y79qoXNtFcwvb3cKTROMPHIoZWHoQeDS6ETTcWouzPLfhV4outU8Q3Vg1raWtt9iEpS2RlzIjBd5yxyzB/mPU7V9Oe51ebUF8QWUWmzxxM1lcuRMrPHlXgwSgIyeSByMbj9DfstE0rTZjNp2mWdpKy7S8FuiMR1xkDpwPyq2YkaQSMil1UqGI5AOMjPocD8hSUWlZnNRozhS5JSuzkbDVtcvdUR/ttqtpJqSRiE2hLLE1oJtu7f74zjO7np8lLb+JdXk0q3nC2NxPe2UFzEkQ2eSzuiFW3yYbJclBuXcUZevNdT9jtf+faHog/1Y6Icp/wB8nkeh6VXsNGsdP0tLCGBHiEKQOZEUmZVQIN/HzfKMUWY/ZVF9ruQWmoz3OjtcCSB5tzQLsicL5okaPJB5A3AZHO3DfMw5qhrGs3WkRRSW4R/tcz2Nqs4fAn2Hyi5zwrSIyk4yd6cjFb6WsEYjEcEaCMBU2oBsABAA9MAkfiad5EXkrF5SeWm3am0YXaQRgdsEDHpiqOmN0tTjW8W63JZpcwadbxi9Y21lFISzC5KQ4R8Hoj/ag/AIEPbu2Tx1dTWkd7o9tHqEOoCV9LhETxvKIGUSoSScu6+Y6cDhOc12Qtbddm2CIeXI0qYQfK7Z3MPQnc2T33H1pxgiPl5iT90d0fyj5DgjI9OCR+JoGc/Jrt/Lpdg9qLWKbUr6SCC4cGWFIf3rRSkKw3b0jXHzDmQfSs+Hxff3HmzRfYjBZossyqrObtXuJoUSE7gA+IeMht7Oo+XrXSXujWd7pj2PlpBE0axDy4kO1V+6NrKVIGeAQQPSpINJsbdbYJbRs1ru8mSRd7oW+8Qx5y3c5yc80AczdeLNRtW3FbJ47tJWtsKw+yeXcRQMZju+bHnbmA2bPLZct94U7rxRqNnrlw0zx3f9n2t3GVtcxxSOPsR3uGchQplfJJ+Vd3vntH0+1Y3TLbxJJdqFnkVAGkAGBuOPmwOOc1BpeiWWk26R28YaRQQZnVd7ZCg9AABhEG1QFAVQAAAKAMyLXtRt/D97NqsEMd7ay+X1VVIIQ+a6LI/lovmAtlidqluMgVX1HXtW06GWJrnSJbizguLq4kVXAkSJY2KbNxMTHzRliz4AVtp34Xo7fTrK0jjS1s7eBIlZI1jiVQisQWAAHAJAJHcgU0aXp628FutjbCG2cSQRiFdsTDoyjGFIyeR60AZHibW59G8+e3RHaDSL28CuWwXi8oqCAQCPmPv6EZOZNN1K+u5rrT7ySFrqzvRDJNbp5augijmLBGZiB+8WM/MeueM4GvJZ202/zraGTzFZH3Rg7lbAYH1BwMjvgU5beFJmmSGNZXOWcKAzHAHJ+iqP+Aj0oAzN95bXHlxyHbcTCGN7j5/mCOzSYBHB24CggDGR1wWjWph5GYo2V0jmdg2FWI5DMCeu04J9m/GtK6s47u2ML5VSc/KAefoQQfxB9etOW1gSFIhEpRI/LAb5vl4yMnrnAz60AULe/vHurdLlIYlcKjoPmYSGMuRkHgjHQjpzu5xUt/eXFvdxRwBWXyJZnUoWZghT5VwRgncfXtVwwRNL5rRIZNuzftGdvpn0oWGNGDKihgCAccjOM/yH5UAR2bySWyvNLDKzDO6AELgjIxyc/XvWopyi564qpb26qNsaKiZJIUYGTyauUAYHiWCG51bwzHcRJKn9ql9rqGG5bS4ZTg9wQCPQgVl+JBdXfg7xqmrqssdqJnsSYdgVVtY5EZfUrIW+bP3gcYxgdPqmk2Ws2qwahEZFjkWWNkkaN43HRldSGU9RkEcEjoTWbL4L0a4UJdjULuLcrGC61S5micggjcjyFWGQOCCKQzernfH11d2fgTU59Pd451jUBoxyFLqGPt8pPPbrXRU2WJJoXimRZI3Uq6OMhgeoI7ipkuaLRrRmqdSM2r2aZ4HeaXoNn4B07V9P1GYay0/zIHUMpyeqhsoF2ZDdTnkcjb7hok1zceH9Omvt32qS1iebcu07ygLZHbnPFZEPw88K294tzHpEfmK24BpHZc/7pbb+GK6WsKFF022/wPRzDGwxMVGN3Zt3duvRW6HjH7UP/JMNP/7DEX/omaij9qH/AJJhp/8A2GIv/RM1FdSPJPYPtsH95v8Avhv8KQ3luepJ+sZ/wqby19KPLX0pAQfarX/MZ/wo+1Wv+Yz/AIVP5a+lHlr6UAQfarX/ADGf8KPtVr/mM/4VP5a+lHlr6UAQfarX/MZ/wo+1Wv8AmM/4VP5a+lHlr6UAQfarX/MZ/wAKPtVr/mM/4VP5a+lHlr6UAQfarX/MZ/wo+1Wv+Yz/AIVP5a+lHlr6UAQfarX/ADGf8KPtVr/mM/4VP5a+lHlr6UAQfarX/MZ/wo+1Wv8AmM/4VP5a+lHlr6UAQfarX/MZ/wAKPtVr/mM/4VP5a+lHlr6UAQfarX/MZ/wo+1Wv+Yz/AIVP5a+lHlr6UAQfarX/ADGf8KPtVr/mM/4VP5a+lHlr6UAQ/bYP7zf98N/hS/bYP7zf98N/hUvlr6V5/wDFLxPqfhuPTY9GlS3a5MjSSGNXbC7cAbgRj5vTPA989GGw88TVVKG7Ma1aNGm6ktkd39tg/vN/3w3+FH22D+83/fDf4V4D/wALL8Wf9BUf+A0P/wARR/wsvxZ/0FR/4DQ//EV7H9gYr+aP3v8AyPO/tah2f4f5nv322D+83/fDf4UfbYP7zf8AfDf4V4D/AMLL8Wf9BUf+A0P/AMRR/wALL8Wf9BUf+A0P/wARR/YGK/mj97/yD+1qHZ/h/me/fbYP7zf98N/hR9tg/vN/3w3+FeA/8LL8Wf8AQVH/AIDQ/wDxFdP8P/Hmt6t4tg03V51u4bpXAJiRDGVUtkbQM/dxg+tZVslxNKnKo2rJX3f+RdPM6NSagk9f67lL9p24il+GWnrGSSNXiPKkf8sZvWin/tQKF+GOn4H/ADGIv/RM1FeKeoe0Vha3DeyXqG0OshPLAP2CS2VM5PXzTuz9OMY963ap3mj6ZqEwlv8ATrS6kVdoeaBXIHXGSOnJ/OkBk6Vb6gmpRNcHXjGM5+1y2hi6HqIzu+mO+O1dFVC20LSLO4Wez0uygmTO2SK3RWXIwcEDPQ1foAZNNHbwSTTuEijUu7t0UAZJrk7XxNcpPaJq8y2W653SidBEBDJC7opLcfK6lMjBOwZ689fRW1OpCKalG9zOcZSaadjN0XUVvoblGuY5bi3upo5EVhujUSuEBA6fKo69cVpUUVnNqUm0rFxTSszm/FWoanaTW8GkTpDNPGQpdAV3m4t0BOQeMSMOPX1ArH/4SvVb37V/ZiyedcGOWytpIQWjjCu2SByQ+xAST8vnDB4Ge8opAcXd+Jbxob+6tbiaMG3lltYRCjKIRbeYk5zhhl+M8rn5SM81PHq98l9pipqK3sExVf8ARyk3mkyMGJIRAyqoGShBQ8srA11tFABRRRSGFFFFABRRRQAUUUUAcZ4l0+W41fVnXS9Tuo5dF8km2uxGsreYSEVcfeAyc5IxkbTnDXdBs5YfE19NNp+o2++ytkWa5vBLG21TlMZ+8DnJy2Tk8bvm0NR8MaRqt1PcX9qZZZ7cWsjCZ13RBg+3gjHzAHjmpNO8PaZpN5JdafbtFNLFHC7ea7bkjUKgwSRwABnr+dMDSryb43ff0T6T/wDtOvWa8m+N339E+k//ALTr1cn/AN+h8/yZ5+Y/7rL5fmjzCyRJNQt0lQSI0qhkMoj3DPI3nhfqeB1rs5fDFlcXTRPaDSxLEvlmVJYnhzcwR73ikc9pH5DlSPQqa4WnIxR1ZcZU5GRn9K+3q0pzacZWsfL06kYpqUbnajwhpwksVuYdTspLya3hEE7LvjMslwmWyg4AiRsY5yR3BGVoGkWWo6LezXayb4JMq8b4battcS7ecjlol7ZrGvr+41GZZLpkyi7EWONY0Rck4VVAAGSTwOpJ71WrONGryNSnq/wLdWnzJqOi/Ev6xZRWGpeVblzE8MM6CQgsokjWQKSMZI3YzgZxnA6Vu/DH/ko+l/8AbX/0S9cnXXfC6N3+ImnMiMyxrKzkDO0eUwyfTkgfiKWLTjhKib+y/wAgw+uIg13X5m1+1D/yTDT/APsMRf8Aomaij9qH/kmGn/8AYYi/9EzUV+cH2p7PRRRSAKKKKAM66j1prlzZXVhHBxtWa2d2HHOSHA657VF5PiL/AJ/dL/8AAOT/AOO1rUVqqrStZfciHBPq/vMnyfEX/P7pf/gHJ/8AHa04hIIUE7K0u0byikKWxzgEnA/E0+iplNy3S+4aikFFFFQUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFV72ws9RhEOoWkF3EG3BJ4w6g+uD35NWKKabTuhNJqzMn/hFfD3/AEAdM/8AAOP/AAo/4RXw9/0AdM/8A4/8K1qK09tV/mf3keyp/wAqMn/hFfD3/QB0z/wDj/wo/wCEV8Pf9AHTP/AOP/Ctaij21X+Z/eHsqf8AKjJ/4RXw9/0AdM/8A4/8KtWWkabpjO2m6fa2hcYYwQLHu+uBzVyik6tSSs5P7xqnBO6R4x+1D/yTDT/+wxF/6Jmoo/ah/wCSYaf/ANhiL/0TNRUIs9nooopAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB4x+1D/wAkw0//ALDEX/omaij9qH/kmGn/APYYi/8ARM1FNAez0UUUgCiiigAooooAKKKKACiio7i5htLd57qZIYkGWkkYKo+pNNJt2QbElFcw3xE8MrJt/tBm9WED4H6Vt6bq1hrFt5+m3UdxH32nlfqDyPxraeHrU1zTg0vNGcatObtGSZcooorA0CiiigAooooAKKZNNHbwSTTuEijUu7t0UAZJqKyv7XUrYXFhOk8JJAdDkZFF+grq9ixRRRQMKKKKACiiigAooooAKKKKAPGP2of+SYaf/wBhiL/0TNRR+1D/AMkw0/8A7DEX/omaimM9nooopCCiiigAooooAKKKKACvNL1bjx942n00zPDpOnMd2z+Ig7Se4LE5wT0A+ufS6858BSLpHjDW9HusrPK+Yy3G/YW6euVbd9Aa9PA+5CrVj8UVp9+r+Rx4n3pQg9m9f8jr4PCmgW9uIY9HsyqjAMkIdv8Avpsk/nTNH8J6VoOo3F5psTxvOoTaXLKg7hc88kA859sVJ4i0e61rT47ey1OXTXWUOZYgcsMEbeGHrn8K888V6Xqvhi2tm/4Si+upriQqkIZ04A5Od57kDHvVYaMsT7ntrOXTV/8AAFWlGj73s9F10PU7q7t7G3a4vZ47eFfvSSuFUfiaz9N8U6Jq1x9n0/UoJps4Ee7azcZ4BxngHpXDa1C/if4pW+galKxsbKMFkVseYfLDk/UkgfQcVa8c+DNG03wvNqWlW/2K5syjI8chG4bgMHJ685z1yBXz8q0/ecUrR/Q+np4HDr2dOtJqdRJqyVlfa/X7j0RmCKWchVAySTgAVTXWdOabyxeRbv8Ae4/PpXJWur3WveF9CE7lXvMpM2PvlX2bj+IJxXRzeGtPezMUcWx9vyy7iSD6n1rz543FVas4YSKaha/M3q2r2VvLqzklhqdF8tZu92tPJ2NesmfxVoVtffZJ9UtkmBIIL8KR1BPQH2Jrkdb167svh86wuwkkuBarIDyiFSxwfoCPYGtLQvAWhSeG7U3dr589xAskkxkOcsM/Lg4AGf8AHNfQZe6GJwUMZVulPZK1/P7jy8Q6lOu6ELXW9zY1y/tLvw1rcVrdQzSQ2cyypHIGMZ2NwQOnQ/lWV8MjjwWmf+e8n865rw1ZjT9P8cWavvFvBJEGI+9tEoz+lY13q01l8LrKwgZk+3XcvmOp6ouMr+JYfkfWsswhHCV2k7pL87GeApzx2OpU1o5J/Kz/AOAepp4w8PPe/ZU1i0Mvb94Np/4F939a2q8bkstK1jTjpfg7w1cX0i/K2qTMYwGH8WSccjnBI69K9L8KafqWleHbey1iaKeeHKq8bE/J/CCSByOn0Armo1ZTdmtO6PoMdgqOHgpQk077Stf1stvR6mzRRRXSeQFFFFABRRRQAUUUUAeMftQ/8kw0/wD7DEX/AKJmoo/ah/5Jhp//AGGIv/RM1FMD2eiiikAUUUUAFFFFABRRRQAVyvivwWuuTR6hps/2LVIsbZQSA+OmSOQR2Yc9ueMdVRWtGtOjPng7MipTjUjyyOCjvfiNbR+Q+nWl0wJAnYpk+/DgfpUuheD9Tudai1zxddefdx4MUCkEIR0zjgYPOF4zznrXcUV1Sx0uVqEYxvu0tf69DBYaN05Sbt3ZxXi/wlqFzrEHiHwzKsWqQABo2IAlABAIJ4zg4IPBHpjnL1HTvHfi5I9O1a2tdLsd4MzxsDvwR1AdicdQOBnqemPSaK8iWHjJvVq+57tLMqtOMVyxbjs2tV/w3S5h3PhuFdFtLHT28o2ShYWY9fXOO5xnPrULt4kuLc2zwRJuG1pgwBx3PX+QroqK46+WU6tR1IzlByVnyu17bX0fTTQ5o4qaXvJS66mBd+FLa98LyaRM+GkPmecBnbJ2YA/l2yM+tc3YL4+0qwXTLS1tLmFF2Q3ZkVtq44IywyB2yv59K7fVtMh1jSriwuiwinXaShwRzkEfiBXFw+G/HGnW39n6drVt9jXKxs3DKvbkoSv0BOOxr6TLo06OG+rxcVFbKSdvVPv3PKxXNOr7Rp3fVGf4OsLuS38Y2Bb7TeNE0BYN/rJCJRnJ9T3NaFp4Fur/AOHY0jUVFpex3DTwksGAbtkqTwQSPbr2xXR+E/DMfhnTGh8zz7mZt88uMZPYD2Hv6k98Vu1z5g6eJxEprVbfgkXgoTw0oVk7Sj+rueb25+I9lpiaTBp9ptiTykvN6bgo4B+9jp6rn15ruNCtL+x0W3t9Wvftt2i4ebHX2z1OPU8nqa0KK4YUuR3u2eriMY68bckY630W7/EKKKK2OIKKKKACiiigAooooA8Y/ah/5Jhp/wD2GIv/AETNRR+1D/yTDT/+wxF/6Jmopgez0UUUgCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA8Y/ah/5Jhp//AGGIv/RM1FH7UP8AyTDT/wDsMRf+iZqKYz2V32LwMsThRnGTUUzQ28LS3syKg4ZpWCoOffinsT9qjHbYxx+K1R1AeXqlpdTQSTwRo6ny4/MMbkrtbaOegYZAOM+9IRaijs54llgSCSNvuugBB/EU/wCy2/8Azwj/AO+BWTos0Z1bUlRWt1ldZY7aSPy2IxtaTaezEfXjnGa26AIvstv/AM8I/wDvgUfZbf8A54R/98CpaKAIvstv/wA8I/8AvgUfZbf/AJ4R/wDfAqWigCL7Lb/88I/++BR9lt/+eEf/AHwKlooAi+y2/wDzwj/74FH2W3/54R/98CpaKAIvstv/AM8I/wDvgUfZbf8A54R/98CpaKAIvstv/wA8I/8AvgUfZbf/AJ4R/wDfAqWigCL7Lb/88I/++BR9lt/+eEf/AHwKlooAi+y2/wDzwj/74FH2W3/54R/98CpaKAIvstv/AM8I/wDvgUfZbf8A54R/98CpaKAIvstv/wA8I/8AvgUfZbf/AJ4R/wDfAqWigCL7Lb/88I/++BR9lt/+eEf/AHwKlooAi+y2/wDzwj/74FMljtIIXmnSGOONSzuygBQBkkn0qxWB4wuTHoVzbPGFhu7eWI3LOFSKQr8gfPQMcjcTgHA70AalhNYX9nFeaeYpYJRlJYxjPb8D29qnyYiMkmMkAZPKnp+P+fw5P4eSvBoNtpiokwgR3nuIpVeNHZ8rGGUkMdpJODxx611s+Ps8mTgbTk+nFMDxv9qH/kmGn/8AYYi/9EzUUftQ/wDJL9P/AOwxF/6JmooGeySKThk+8pyB6+1KkivnHUdQeop1NaNHxvRWx0yM4pCGSW0M08M0katLASY37rkYP5g9P8Klpvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAOopvlp/cX8qPLT+4v5UAMtbaKztIbW2TZDDGsca5J2qBgDJ56ClZvNOxeV/iOOPp/n3pTDGww0aEe6in0AeMftQ/8AJMNP/wCwxF/6Jmoo/ai/5Jhp/wD2GIv/AETNRTGez0UUUhBRRRQAUUUUAFFcyNau7aadb25jhi0/MFxcTlBCWd8xu7cYYRqhKrgEzqOMZEGo+LbnTbD7W0NvP5skOIhKsYhjeEsHZ5CoKM6FAzBeexI210rDVG7L+v63MvaxSuzraKx9Y1C506X7Srp9mSNA8bLwm6VVaVm/uopLEcDAOSOoZp2r3eq/aPsscKKtuWgZ8kTMZJER8j/lmwjDDGchxzxzHsZcnP0K51zcvU26K5eDxe9xNb7bKWAXTRfZ4LqMxTTK0pjkwuTkxhfMbAPyMudv3qs6H4hfW4bF4fs+ZrYSz7W3eU4Cb0+oLEYPIxz6VUsPUim2thKrFuyN+iufvNbudM1a0tZjHOL6eUp92Pyo0KLtGWG7gs5OSeDhcZK07nxdc2sMjSWgDRpLGu5WRbm5i25hiJ5YyMzKnGf3TEBuxHD1JWt1E6sVudZRWHaa+166Qw+R5/264tZU3ZMQjMm0kdclUVscZz+NYUfjK+svDltfXKxXcky2x2ySRwmNZLbfvdmZVw0isgPygHOAxG2nHC1JNpA60FqdzRXMahqssPjN7IaqYClpby2+nhYz9rdpJg45XfwEXlSAvU8ZobxaA/zNaxQCVEuLiSX5bEsshKTfwhgY1X7w5lA7Devq1Rq69Q9rHqdPRXLxeJLq9kjAWO0kAtjNaMxM0PmNCcOCoxkSOv8AwEnOcha58VX+oeEde1C2tTYS2Nm8kTyPFI0coRmaNkV22suF+/tOW5UYOaWFqfl+P9dBe2idhRXM3PieaC5+yp9ne4WWKGWMkh4i1xFEHZQTgOJC6gkHCjrk7X6tqstr4kitp79rKHy4Wt408ofbZGdw6fvOWwFj4jIYeZ3yMSsPNj9rE6OiuY/4S5SwLG2ht/MjSe4kf5bEskhKTfwhg0aKRuGDKox03OsvEs99LFE8UVpOyQPLaFyZoN/lEh1IGM+Yy9P4M9SQp9WqLdf1/X9bB7WB0tFYXhnxBP4ginllsGtEi2rh5Y2ZZCDvjZVZirL8ud20/N90YrdrKpCVOTjLcuMlJXQUUUVBQUUUUAeMftRf8kw0/wD7DEX/AKJmopP2ov8Akl+n/wDYYi/9EzUUDR7RRRRQIKKKKACiiigDG/4Q/wAM/wDQu6T/AOAMf/xNH/CH+Gf+hd0n/wAAY/8A4mtmitfbVf5n95Hs4dkY3/CH+Gf+hd0n/wAAY/8A4mpbfwvoFpcJPaaJp0EyHKSxWiIyn1BAyK1KKHWqPRyf3h7OHYypfCvh6dw8+haZKwVUDPZxk7VAVRyOgAAHoAKj/wCEP8M/9C7pP/gDH/8AE1s0Ue2qr7T+8PZw7GN/wh/hn/oXdJ/8AY//AImj/hD/AAz/ANC7pP8A4Ax//E1s0Ue2q/zP7w9nDsjG/wCEP8M/9C7pP/gDH/8AE0f8If4Z/wChd0n/AMAY/wD4mtmij21X+Z/eHs4dkY3/AAh/hn/oXdJ/8AY//iaP+EP8M/8AQu6T/wCAMf8A8TWzRR7ar/M/vD2cOyMb/hD/AAz/ANC7pP8A4Ax//E0f8If4Z/6F3Sf/AABj/wDia2aKPbVf5n94ezh2Rjf8If4Z/wChd0n/AMAY/wD4mj/hD/DP/Qu6T/4Ax/8AxNbNFHtqv8z+8PZw7Ixv+EP8M/8AQu6T/wCAMf8A8TVuTRNKmt/Im020kh2CMRPApQKNuF2kYx8icf7C+gq9RSdWo95P7x8kV0Ken6Ppmk+Z/ZenWll5uPM+zQLHvxnGdoGcZP51cooqJScndsaSSsgooopDCiiigDxj9qL/AJJhp3/YYi/9EzUUftRf8kv0/wD7DEX/AKJmooGj2eiiigQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHjH7UX/ACS/T/8AsMRf+iZqKP2ov+SX6f8A9hiL/wBEzUUxo9nooopCCiiigAooooAKKKKACiiigArAv7+a21sLJd3UZMsCQWUUSOtwjMFd+V3HbuJba3yKgYjBw2/RQByFv4m1Wew86RLW33JFL5jQSMsbvuzaMobd5ylVXdgZLgbAcKamo+KdW/taC1Hk2yy3QU24Q+fEqX9tD8zbsESRysw+UYDDBPU91UMdlaw3D3EVtCkz/fkWMBm5zyep5oA56z8Q6nP4Tk1Oa1jS4a4SNU2cW6u6KzSKGJ/dbmLAlDiM5CdsG+1rxLe3Uxtb2CzjQWUAU2rsJBLfSQGVCJBhXSNX/iIVgFZTlz6LRQBx1r4n125024n/ALLjWePbILfbl8+W8jW2Fc/vBsVdxwf3gJjGAGWPxBqs8dqJnt4A18sPmLFn7Uu+MEJtkZUI3OG+Z8hGPHzBOwooA5DV/Eup6bf6qIBDJDYw3F1skiJLpDFbP5akEYLebJ8xDYOOCBiuqt3Z4iWljlO9xujGAAGIC9TyOh9weB0EtFABRRRQAUUUUAFFFFABRRRQAUUUUAeMftRf8kv0/wD7DEX/AKJmopP2ov8Akl+n/wDYYi/9EzUUDPaKKKKBHAWvibxIdVmWO1guoopJ/OSS7wI0WWdF2qsG8sTCwG3eSF5ALZD5PFevXU0NxY29jHEJYovs8l1IhkLSRq2Vkt1fGJoyGXAGQTuztPZJpljFdfaIrWJJeTuVQOSzMT9cu5z1+dvU5WTTrKa7F1LZ273AUKJmiUvgMGAzjOAyg/UA13vEUOa/s1/XzOb2dS1uYs1z/i3xHc+GrAXVtYRXoEckjpJcmE4QAnadhUnG47SQSFOA2DjoKZNDFcwSQXEaSxSKUeORQysp4IIPUVyU5RjNOauuxvJNxtF2ZzcnibVIbF5ZNMsfMT7QzKdR2KEhbazZKZ2gggnHG6PszbGQeJtZbWLGyvNFtbb7TMI3P212ZMpKx4MQzjyG5BweMEg5HS/ZbfMZ8iPMcjSp8g+V2zlh6E7myf8AaPrQ9rbyTpO8EbSoQUkKAspAYDB7cOw/4EfU1t7WjZ+536v5dTPkn/N+RLWF4g8Sw6KswWSOS4ghSZrU4DMryeWrbmZQq7urHIUcnsDu1Xn0+zumka5tIJjLH5UhkjDb05+U56ryeOnNY03CMrzV0aSUmrRM2z8TW+orM+n2d5cxRsUjmWNVScjeCEZmAPzRlecclexzUR8StJqFtHbWUzWsykxzsoBnfyfNWFVYgqxXcxZgFG3bnLfLpT6LpV1OZrrTLOaUuJDJJbqzFgAA2SOoAAz7ClOj6YbcW5060MKsriPyF2hlUKpxjGQoAB7AAVrzUb7f1+v4EWqdye2uYby0hubWQSQzIskbr0ZSMg/kaz/EWrXGi6Yl1a2iXTNcRQmN5WTHmOEBG1HJ5YcY6Z74B1ERY0VEUKqjCqBgAelLWMXFSu1ddi2m42T1OPPi/WPMCLolmTi3L5vpU2ee6pH963GcljnbnGxgcHAM+j6trV1rai9S1W2mHzQid98QZS0bBGgRsHYynceoPTaRXRyWdrKYzLbQuYgBGWjB2YZWGPTlFP1UHsKbbafZWahbOzggVcYEUSrjAwOg7Dj6V0OrR5WlCz+f+ZkoVL6yLFU7nU4LW7jt5FmaSTGPLhdwMkgbioO0cHk4/Q1cqlPpNrdXj3NxGrSNEI1cKFePAcErIMOpxIw4PHOMZOeeHLf3jWV+hW1HVF8yOztpZkeaJ5vPgCNsjUxhmG7IOPNU9DwGwCcAp/azxyWdvKS9y+3eI4wBMTHKcLlvl5iJ5z2HfIuHSdOLxMbC1LQgCM+SuUAKkY44wUXH+6PQVn6r4e/tW9jZ5baO2VQCv2NXlzhhw7ErtIcgqyN1OME5G0XSa5XoRJT3RrwTx3NtHPC26OVA6HGMgjIqrrOpf2Tpcl3iE7CP9fKYk6922nB7DI5OBkZq9TJkaWCSNJXhZlKiRACyEjqMgjI9wR7VhFx5tdjR3toc8fFN19oPl6PNPbo0yyNB5jyZjmeIBR5ewklFOC4IDEkbVLVYl8QTQXrwvaQyR+ZCiS29zv275I0xINo2NiUMoBbcFPI4zctNFtLbTXsJIxcW7yNKY58yDLNvP3sk/MS3JPJ9MAWZLK1mlEs1tDJIAoDtGCRtbcvPswBHoRmt3OjzaR0MlGpbVlezne7mF1HO5tnP7qMqoDKyIwbpu7HHI++cjgYv1CtnbI0ZS2hUx42ERgbMAgY9OGYf8CPrU1YSab0NVdbmVqeuRafdJbssiDAeW5lhcQRJnndIBgHaGIycDHJGRlz6wsc9yfLMtvF5UcbRfMZJGkaMqD04YBTkjBznAwas3Ol6feTGW7sbaeQp5ZeWFWJXDDbkjph3GPRj6ms9/DqzazLczyW72krrK1r9kUF2VcDe/wDGoYlwCCQxzngAbR9i1r/XoZvnvoXrG/8Ats10BGyRxSBI2YEGUYHzgH+HOQD32kjjBq5UFpZWthEY7G2hto2O4rDGEBOMZwPYD8qnrGVr+7saK9tTxj9qL/kl+n/9hiL/ANEzUUn7UX/JL9P/AOwxF/6JmoqSke0UUUUCCiiigAooooAKKKKACiiigAqg2t6eusDSzOftZUvsEbFQBtyC+NoPzrwTn5l9Rm/WHe+GI77WTqE2o3oB2f6Ooi8sBWVsAlCwyyKThudozwABrTUG3zuxEnJL3S2uvWDWpuC80ab/ACwJbaRGZsZAVWUM2ccYByeBk8UxPEmmODmaWNgeY5beSN/uM+drKDjEb84xlSOoxVKz8HWtp8rXlxNDnf5Jht4l34wHzFEjbhng54PPUCnW3hOOC8e6m1XUrqcqQrzSIDGf3mGG1B086QAHKjI4+UY2ccOr6v8Ar5EXq6aE0ni3RYvKD3bbpI2l2LbyF40VtrNIoXMYDAglwACD6GtmuVvvAdvqN4st3ql46LCEKssTl33u5kbehUNmQhSqqVGQDg4G1p2jW2m3l3cwtI8l02W34wo3u+0AAcbpHOTk/NyeBiakaCjenJ3/AK9BwdS/vI0KoxarBNJuR4/s+5o/MJYN5qyGMrtK/wB4Yznk9B3q9WbLoNlK0pYS4llSZkaVmXcrh+FbIUEjkKBnJ781lDk+0XLm6Etzqtvbxbix3MrmMMrKHKjO3OOuOcdcAnHBqzA0jRZm27wSDtBAPPB59qrT6TaXNskMisBGrqjRuUZQylTgjHY/oD1Aq6BilLkt7oLmvqFFFFQUFFFFABRRRQAUUUUAFFFFAHi/7UX/ACS/T/8AsMRf+iZqKP2ov+SX6f8A9hiL/wBEzUUDPaKKKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAeL/tRf8kv0/wD7DEX/AKJmoo/aj/5Jfp3/AGGIv/RM1FAz2ioLx7pLORtPhhnuQBsjnmMSNz3YKxHH+yanooEcpYeMLkaVcat4jsrLTNNguJLQzQXkly5lS5NvjYIV+UuDg5J5GQOcaI8W6MdQisftMizyCPcGtpVWEyDMaSsVxE7ZGEcqxLKMZIzS/wCEavP+EZ/s7zIPO/tz+0d247fL/tH7Vjp97Zxjpu4zjms+88F3k/jO61D9zcWN5e216fM1G6h8h4ljGPs6Hy5T+5UhmKkE8hgoBAN2y8XaLqGqDT7a6k+0M8scfm20saSvExWRUdlCuylWyFJOAT0GayLr4gWbXj/2ZLFJaxaReajJJcwzRAiIw7HU7ctEwkc70Vgdvy5wQWv4JubrR7DT7ueMRx6pqFzcNDIwbyblbtVCHH3x9oTPYYOCcDNO78I+I9T0x7S8bSohF4evNHgMMj/vJJRCFlYbAEU+UcoN23sXzwAdM/i3RotaOly3MiXK3C2rM1tKIhMyK6xmXb5YYqy4G7JJAHPFLH4s0aXWI9MS6f7VLO9vEDbyBJZEVmdUkK7W2+WwbBO0jBwSBWdceGL2VdWCywD7brtlqUeWPEcJtdwPH3j9nfA5HK8jnHP6JZX1pruhaBa27Sadoeo3MxuXgnSRozFcIpcvGqcNKq5VnMnLjABoA7PVPFGkaLeR22pXTQyPsJIhkdIg7bEMjqpWMMwIBcgEg46Gli8T6TNrbaTFdM92shhOIX8vzAm8x+bjYXC/MU3bsAnHBrH8VeHta1TVEuNClt7GTy40GoLdzQzQFXLEtEoMdyuD8qSYAJfn5zijY+Bru28UefcpFdWC6nNqMMzapdq0RkLvtFqD5OQ7kb8jK9VySSAb0fjTQZYbyYXrLFZ2zXkjvbyIJIFGWliJUeag4+aPcOV5+YZJfGeiW8UMlxPcQpKu8mSynXyE3FQ82U/coSrYaTapCsQSATXJJ4C8RTaZPb315bySt4fvNKEs2oXFy000wixMxkHyKTGcooO3jBYEBem1DR9Wi8QXt/oy2Ey6naw20/252xb+WZPnCKp80ESn5C0Y+X73zEgApeHfHtvqOqX2m6oRBdR6vc6famO3l8p/LyVVpcFBIVUnbuBPGByK17bxfod1NcpFfqFto5ZXmkjeOIpGdsjLIwCOEJAYqSFJ5xXPR+CNSS1kjM9rubxT/bI+dv8AU+aH2/d+/jt096r6F8PrzTYo7S8is7qOysprW0ubnULu5SQMuxQ9o7eWi7OGVWIP8O0dADsdI8QadrjXCafLJ51qyrPBcW8kEse4ZUtHIqsARnBxg4OOhrSrnfCmkarpbXp1ObZBMU8iz/tCa+8kgHc/nzKHO7K/JjC7Mj7xroqACiiigAooooAKKKKACiiigAooooAKKKKACsnSpryTW9cS6kuHt4rmNbYSRRpGi+RGWVCpLP8AMWJLgctgcDJ1qghsbS2urm6t7WGK4umVriVIwrzFV2qWI5bAAAz0AoA8e/aj/wCSX6d/2GIv/RM1FH7Uf/JL9P8A+wxF/wCiZqKBntFFFFAgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPF/wBqP/kl+n/9hiL/ANEzUUftR/8AJL9P/wCwxF/6JmooGe0UUUUCCoxcwG4NuJozMBkxhxuA9cday9XtdX1G9itbK7bTbJVEst3DtaZ3B+WNAwKgcZYkHIwoHJIj07w4serrrmrTLd615RgM8StFGkWc+Wke48Z5ySWJJ5AwoANyiiuL8YmZ/FelwQ6beap5mlX+La0uVgIbzLXa5ZnTG0nggllJBAyMgA7SivMtY0PxXOLyxW0ubqSSeS4/tBJoo4pc6SbfAXzAykz8427RnOa2dS0TUrGdf7Ls7i80+K6jme0+0LI048h42J82QB/m8tiHYZYF+W6gHaVVttSs72by7O4Sc+RHcAxncrRybtjBhwQdjdD29xXI6VoOqW+tRQasmoX1riMpdyzxyKIxaLE8M+XDNukV3IVGUsytnI+XP0Xwxq9pommeXpb2F3bWujwMomjDKYbpzckFHIw0bsTzllfBycrQB6RVW81K0sFDXc6x/vIo8dSGlkEcfA55cgZ6dfQ1zuv6bqbanqV9ZWLXoe2sIo4hMFMircyNOqguoz5ZXhiFbhW3DIrmo9N1rVdI1PR4J5LXVorizmVJJIpZLGP+05po2ZQxTKwhCEBxhQo7CgD1GivPJtK15LyCO30W5jimGlpI8d5G6QNb30kk7szyB3DowYNgu2fnAbIpZ/COpweGohp8Vz/aX/CPTxPuvS2L7bGYWG58Bw3mBXH3RhchQooA9CqKS5iiuIoJHxJNny1wfmwMmuFn0jxDdapqiGxuYIpLLUIfOjulCXDSTI1uVPmGTcqBxlgoQsQmFrY8W6JqOoWtlDoRSFIA4kQHZ5kW3/Uq4IMe8DZvAJQEkDIFAHT0V5p4j0fxJqEd7Ho+kXdm00M8Q23MSxmFrCRI4v8AWkgrN5fACopJIzlnbffw5PBf3N1ZRTK66haPbkXJwIR5YmOC2OQZd2eWwCckLgA6iaeG3jD3EqRIXVAzsFBZmCqOe5YgAdyQKZeX1vp8CzXknlxtLHCGwTl5HWNBx6syj8a82TQtevdJn/tTw7O5iGkyfYpJ4JFmnhuGa5eMtK2cxlRvlYO44YmnatoHijVNQZbS0urD/SWd7hponicjUbaWKUKZGZykKSnD4xjaqqCFoA9Oorz86X4iij0mAaZNvga1Elzb3anDxXJNxI2+TO2WPkFQXbeyyEDitPW9F1GfxDqepWtq1xjT7SK1U3DICyzTGbaodcSeWyhSSoO7buCl6AOpa4hW5S3aWMTyIzpEWG5lUgMwHUgFlBPbcPWpK8x1HwtrFzZyS2+jy/aG0rVbO28yaEy2zTiN4AW3YUDEiAKSELYHyfNW5faTqMElxFDp91eWMmqiQRxXKl1iNqq7wJJFXHnbmO7cd2XCliHUA7KiuPex1l/B/hy11Gyur25jgiXURFcr5qy+TtLFmkVWAcklsuQQCqk4dcNvDPjBrKG4jvbxNRS1ikAa5Ty/tU0EdtKWAJyIQjzccM0vGSDkA9MqG6u4LONZLl9ivIkSnBOWdgqjj1JArz/xJoev3K6nb6NptzE0kNzbxyRXSLDJC1m6RIN0m7IlEf8ACiqWOAcs7Xr3w/fDXGjj065nhXULS4tLpLpRHbwIY/MjdS4ZmLiWQ/KwbchLFlAUA7iiiigDxf8Aaj/5Jfp//YYi/wDRM1FH7Uf/ACS/T/8AsMRf+iZqKBntFFFRlZ9x2yRgdgYz/jQIkoqLbcf89I/+/Z/+Ko23H/PSP/v2f/iqAJaKi23H/PSP/v2f/iqNtx/z0j/79n/4qgCWiottx/z0j/79n/4qjbcf89I/+/Z/+KoAloqLbcf89I/+/Z/+Ko23H/PSP/v2f/iqAJaKi23H/PSP/v2f/iqNtx/z0j/79n/4qgCWiottx/z0j/79n/4qjbcf89I/+/Z/+KoAloqLbcf89I/+/Z/+Ko23H/PSP/v2f/iqAJaKi23H/PSP/v2f/iqNtx/z0j/79n/4qgCWiottx/z0j/79n/4qjbcf89I/+/Z/+KoAloqLbcf89I/+/Z/+Ko23H/PSP/v2f/iqAJaKi23H/PSP/v2f/iqNtx/z0j/79n/4qgCWiottx/z0j/79n/4qjbcf89I/+/Z/+KoAloqLbcf89I/+/Z/+Ko23H/PSP/v2f/iqAJaKi23H/PSP/v2f/iqegcL+8ZWPqq4/qaAPGf2o/wDkl+n/APYYi/8ARM1FH7Uf/JL9P/7DEX/omaigZ7RRRRQIKKydYu9W3fYvD9vEbsx+Ybm8Rvs8Y5wpxgszEYwp+UZY/wAKvS0aw1m81ga7rksunuYfITSIbkywxr13ueA0hP8AEAAFwOetAHR0UVy3i1tda+ij0S7vbSJNMvZ2a1t45N86GEQoS6N13SEKME49qAOporko77Wf+Eut0aW/MEl88U1qbEfZooBbF1cTbAcmQJ1cjLsuPlyKOsTeLhrN/JpVzfeV9uktra2+yxGHy/7NMiybjHu/4+cLuLbc/L7UAd3RXDahqOo6p400eSwOrw6VBdQeaP7PkiUl4Lstv3x7iufIU/wqW5wwyL+vS69Hr3mabcXi2sLaePs8VujxzCW6ZLgsxQt8sWG+Vht6nigDqqK4Oy1LxULe3uJWvJHFot1qcE9jgW0qzJvgtwqBpNyfaQuDIf3cR3fPl2fbvGsfiDTo7gGOFltXukKNJGDJI3nIDHbNnYDtU+amNiM+QSWAO/oBB6c151ox8Ytb21zf6rqzONO025kt5LGBVaaWR/tERxCGG1VUYBDKGyT0NUo7nxTpa6jDoq6lIWm1KZ4J7HZFBnUFKvFJ5JLMYZJpAP3uSBhGwEIB6lRXH+HpvEtxqdimrzypbxi8aTZHkTbWiWNZHe3iPBeUrsVQwRTlsNmr4ovPFVlBfXeiy30rl7qGG2S0SRUVbOSSORfk3FvORFGSVO7bgkigDuqK4xo/Ei3aaauq6mYm1nyTf/ZYPMFt9gMmc+V5ePPG3dt6nbmrEc2v6j4Z8K+ZPeafe3qxnU5YbdPMhJtZHbKyIyp+9CDkdTjvQB1dFeaRah46TTbdgbyeW7tNOnnaeBYTaSS+f56Jtgc8MsKkMjlVckkfeD/7a8YxXejLJHcyb3tUuPKt5DG6PcujFgbRSGEIDOxaJQ2CEAIDAHpFFef2h8TN4d019TkvdQuLlNJuJ47qxi/0eQ3UZnAVYxjapJ+bJTYGBBGaSzuPFcXhuzkvtQ1Zri7tNPluJP7PiaW1d5f36pGsQ/hOCGDFAN3JByAeg0VgeCtQudT8MLcXlzNdSC8u4RNcQiKRkjuZI03IFXa21VyNo56jNb9ABRRRQAUUUUAFFFFAHi/7Uf8AyS/T/wDsMRf+iZqKP2o/+SX6d/2GIv8A0TNRQM9oooqMtPuO2OMjtmQ/4UCJKKi3XH/PKP8A7+H/AOJo3XH/ADyj/wC/h/8AiaAJaKi3XH/PKP8A7+H/AOJo3XH/ADyj/wC/h/8AiaAJaKi3XH/PKP8A7+H/AOJo3XH/ADyj/wC/h/8AiaAJaKi3XH/PKP8A7+H/AOJo3XH/ADyj/wC/h/8AiaAJaKi3XH/PKP8A7+H/AOJo3XH/ADyj/wC/h/8AiaAJaKi3XH/PKP8A7+H/AOJo3XH/ADyj/wC/h/8AiaAJaKi3XH/PKP8A7+H/AOJo3XH/ADyj/wC/h/8AiaAJaKi3XH/PKP8A7+H/AOJo3XH/ADyj/wC/h/8AiaAJaKi3XH/PKP8A7+H/AOJo3XH/ADyj/wC/h/8AiaAJaiuLaC8h8q7gjnj3K+yVAy7lYMpwe4IBB7EA0brj/nlH/wB/D/8AE0brj/nlH/38P/xNACWlpbWFsttY28VtAmdsUKBFXJycAcdST+NTVFuuP+eUf/fw/wDxNG64/wCeUf8A38P/AMTQBLRUW64/55R/9/D/APE0brj/AJ5R/wDfw/8AxNAEtFRbrj/nlH/38P8A8TRuuP8AnlH/AN/D/wDE0AS0VFuuP+eUf/fw/wDxNPQuV/eKqn/ZbP8AQUAeM/tSf8kv07/sMRf+iZqKT9qT/kl+n/8AYYi/9EzUUDPaaKKKBBRWLrfiMaZeW+nWFlLqmqXA8xbKB1VliB+aRmbCqvYZI3NgDuRS0e517V/Ecmpnz7HQPKMUVjeQhJpJAeZdpUMi9gGOT1wBjIB09FFYmryasdesLbT7+C1t54LjzA9r5jbwo2MDuAGCc4wc4I75ABt0VwSTXU15p0dvqV7Jomq6n9njZ5j5k6La3ErSpKCGVHkRNoXAwmVOxwBfk8S3+n+BtG1rYupI8atdScK86tC/llAMDfJN5KgAEfvOncAHXUVxWm+KtV1fbZ20unW94k/2CeeWF2hW7ii8y4WMb1MgydqrlSBHKxLbQDTPinVNd0G31KLyrC0ku9IKxxMxlPny2rspfIG0LI6nj5g38ODuAPQaK5Hwtrl9reoWd1ez24S90sXsdrBuBgV2XajgsdzL8w34XOCNoxyWHibUZtPs9Qu5dOEOoPbNFbBWSa1WWQJskyxDMC23cNuGBG00AddRXn0PjfWLmfUpYTpot9NbeYjE5kuk+3XVvsjbfgSFbePbwQztjgMMa3ibxPqGla5a2unxQSwpJafbQ65ZI7icxK2S6BeVbG0SEnghBhmAOrorzXT/ABBrmnWV2899aXF3JLq17JPcJKIhDZ3Ai8lUMpEe7dkOOFC8q7Zc3rrxTf6Dq2q3V5Lby6ab54Vjl8wNAU04XJfeN2E/dsNixk5Ytk/dIB3lFcNa+J/EVz5WnyJZ2eotrTac0s9ruVUFkbkN5STtycBf9YeDng8Ctp/jPVtW0c3+mw29u9zdwMUlDXBhhbT4rhisfmI0hDPjEfODu2E5yAehUV57aeK9fmj1N4bmxvJLjUorfTIorUnYrWSXJA3SIJPlJ5doujNnlYhctvGOp3VhperLBaR2VzFprTW5DNIWvHVPlfIChC4PKtu5Hy9aAO2ormdS8SXmn+IJNO8m2KhRd+dM/lJHaiKTezMSclZY1VmAwonjJB7mma/qQ8N6teaqlo19pys5h/49UX9ysoV2Z3RfvcursuOeCCAAdNRXG6b4i1y88RWujSvp6zos73rfZnVl8v7I4TZ5hVWK3JGQ8i/dbPVKry+JZ4PBXhHXbiURCW2+13S+ZII2A0+aUhiN7Fdyg9GPAOCRQB3VFcTpPiLxLqtxPpnkWVnf208sMs1zAdoCxwSKwiSVhyJ9uPN/2sjGysvRfHtxLNq17c7La0aP+0lF5K7qEGnW0pgjKgldrSb2O3oTtRyXMYB6VRWB4T1jUdVh1KLWbZYLvT737M+1Am8GKOUNtEkgXiUD77dM8Z2jfoAKKKKAPFv2pP8Akl+nf9hiL/0TNRR+1J/yS/Tv+wxF/wCiZqKBntNFFNLsD/q2Pvkf40CHYGc456Zopm9v+eT/AJj/ABo3t/zyf8x/jQA+oLqytb6NUvbaG4RSSqzRhwMqVPX1VmH0JHepN7f88n/Mf40b2/55P+Y/xoAzLbwp4esrW4tbPQdMt7e6Ci4iis41SYLyu4AYbGTjPTNaU1vDcRiO4hjlRXVwrqGAZWDKcHuGAIPYgGl3t/zyf8x/jRvb/nk/5j/GgCGfTrK6tHtbqzt5reRt7wyRKyM27dkqRgndzn15p0ljaS7/ADbWF98iSvujB3OhBRj6lSqkHqNox0qTe3/PJ/zH+NG9v+eT/mP8aAIoNPs7WaSa2tIIZZXZ5HjiCs7NjJJA5J2jJ9h6VG+kabJFdxyafatHenddI0CkTnGMuMfNwAOc9Ks72/55P+Y/xo3t/wA8n/Mf40AZcPhjSYNafU47OETMkaonlJsiZHmfzEGPldjcSZOec/XN+4sLO7mimurSCeWEMInkjDMgYYbBPTIAzjrUu9v+eT/mP8aN7f8APJ/zH+NAGRrPhXTdbsEs50MECytKyQKgDFyS55U7WJJO9cOCSQwJOdL7BZ+csv2WDzFl84P5YyJNnl78/wB7Z8ueuOOlS72/55P+Y/xo3t/zyf8AMf40AVrfR9Ms0hS0060gWB98KxQKojbaV3LgcHazDI7EjvTP7C0j7F9j/sqy+y7kbyPs6bMoqqh24xlVRQPQKAOgq5vb/nk/5j/Gje3/ADyf8x/jQBBcaZYXbSm7sbaczBBIZYVbeEYsgORztYkj0JJFL/Z1kYxGbO32KYyF8pcDyyGTjH8JAI9COKm3t/zyf8x/jRvb/nk/5j/GgBDBC1ylw0SGeNGRJSo3KrEFlB6gEqpI77R6UyzsbTT7fyNPtYbWHcX8uCMIu4nJOBxknk1Jvb/nk/5j/Gje3/PJ/wAx/jQBXtNK0+wEQsbC1thCrpEIYVTy1chnC4HAYqCQOpAJ6U9LCzihtoY7SBIrQAW6LGAsIClBsH8Pykrx2JFS72/55P8AmP8AGje3/PJ/zH+NAEFnpdhp6IlhY21qqAhVhhVAoIAIGBxwq/8AfI9KbDpGm2wjFvp9rEInEkYSBV2MI/KDDA4Ij+TP93jpxVne3/PJ/wAx/jRvb/nk/wCY/wAaAIrLT7LTYPI060gtIs58uCJUXoB0A9AB+FWKZvb/AJ5P+Y/xo3t/zyf8x/jQA+imb2/55P8AmP8AGnKSRypX2NAHi/7Un/JL9O/7DEX/AKJmoo/al/5Jfp3/AGGYv/RM1FAz2miiigQUVma14gsdCW3F550k11J5cNvbQtLLJ3YhFBJCrliQOAPUgHN0vX9Q1nxPIdNjt7nw0Iiq36DBecHlUO7DqOfmC4zkZJBoA6Wiiue8SatqenTpFYQ2/kPZXM0k7yHzI2jTK7U2lW5Izkj9MEA6GiuUPjK4huYtNuNLKapO0XkQtNlCskc0is7IrbTi2lBCh8EDBIO4TarreomHwzPpVs0Mmp3WJLO+/cttNnPKI5DtYoQyLnAJyuOmaAOlorkbbx4mo2CahpunM1k5tofMuJRGyT3EcTwqVAb5T58aswyVLcKwBIs6T4i1K6+Hema7dadHLf3ttBJ9ntXYx5lKgMTtLKgDhm4bYA33sZIB0tFcVB44vW1a7EthZtpy21k1tJb3gleSW5uHgXJA2eWWXqDkKAcEsVSXUPHcmnNLHNpamaxtbq61GMXP+pFv5DMIztxIWjuFdc7ewbaSdoB2FFYmneIm1LVJIYbCb7EJZoEu8EgyxOyOrDHyjKsFbJyVOcfLuypPHyxX8tlLprxXCeYi+dIVRpTdNb2yZ25/fFGfODtUZ5HNAHYUVxmq+Lr5rSN9PsZoI5r22S3uiuVkjN7BC4cldqF1kJTBYlcn5WGBstr86eH5b19Mme8hmFvJZwEy4k8wJkMq5MfIcsF3BMkrkFaANqiuXt/Gf2yaKKz083boqSXZtZxMsaNLJEGjZARJ80LnB2kKDkB/kqvP42ktdQgN5YtFbzLdpFHHIJHmeO5t7ePjACl3mOBnABBJ6hQDsKK5ifxbdWscH2nRpIpNzi5aWXyoUKmMBY5ZFVXZzKuwHYDhwSGUrXT0AFFFFABRRRQAUUUUAFFFFABRRRQB4t+1L/yS/Tv+wzF/6Jmoo/ak/wCSXad/2GIv/RM1FAz2miimGWMHBkUH/eoER/YbX+0jqH2eP7Z5Xkeft+cR53bc9hnnH09BU/TpTPOi/wCeif8AfQo86L/non/fQoAfVS/0u01NUF5GzhA4G2Rk4ZSrA7SMgg9DxkA9QCLHnRf89E/76FHnRf8APRP++hQBnXvhvS9Qnee5t3E7xxR+fFPJFIgj8zZsdGBQjzZBlSCQ5BJBxVltLs3+wZgH/EufzLUBiPLby2j9efkdhg56+oFWPOi/56J/30KPOi/56J/30KAMi08I6JYy2j2lo8Qs4444oxcSeX+7QIjMm7a7qoUB2BYBV54FWG0DTjog0lYZI7JSDHHFPIhiw25QjKwZApxtCkBQABgACr/nRf8APRP++hR50X/PRP8AvoUAZQ8KaKIyi2e0GHyWZZXDOBJ5gdmzlpBIS4kPzhmZgwLElG8I6I9kbWSzZ4mtbi0bfPIzPHOVMwZi25ixRSWJLcdeTWt50X/PRP8AvoUedF/z0T/voUAU7XRLGx1Ke+tEliluMmRFuJPKLE5LCLdsDEjJYKCcnJ5NMk8O6TNeG6mso5Zvti3+6TLYnWIRLIATgEIAB2B5681f86L/AJ6J/wB9Cjzov+eif99CgDJn8JaNcC5EltJi5lWZglzKoR1kEu6MBh5ZMih22bdzDLZNTp4f01NE/slbdjZ7i+GlcvvL7/M8wnfv3/PvzuDc5zzV/wA6L/non/fQo86L/non/fQoAyovCukQS2stvBNBJa/deK6lRpfnL/vSGzNlmZv3m7JZj1Y5kn8N6TcgCezDgRTwjLtwszrJJ36lkU56jHGK0fOi/wCeif8AfQo86L/non/fQoAyZvCekXEFvDcx3M6W6sg82+ncyoxyySkvmVDj7r7lxxjHFbNM86L/AJ6J/wB9Cjzov+eif99CgB9FM86L/non/fQo86L/AJ6J/wB9CgB9FM86L/non/fQo86L/non/fQoAfRTPOi/56J/30KPOi/56J/30KAH0Uzzov8Anon/AH0KPOi/56J/30KAH0Uzzov+eif99CnKyuMqwYexoA8X/ak/5Jfp3/YYi/8ARM1FH7Un/JLtO/7DEX/omaigZ7TRTPNj/wCei/8AfVHmx/8APRf++qBD6KZ50f8Az0X86z21tF8RLpP2O6Ia2+0fbRH/AKOPmxsL5+/xnHpQBp0UzzY/+ei/99VUu9US0uVV1LwC3lnd40kkYbCmFCqhDEhjxkMcfKrc7QC9RWUfEmni2efbfbI5XiI/s643FlUsSF2ZK4HDAbSeASTipv7as/7S+w/6R52QN32SXyuVLf6zbs6A9+uB1IFAF+is8a3ZnVGsB9p85WCljaS+VkqW4l27CMA87sA4U8kCoo/Emny2/nKt8F3omG0+4VsuMj5Smcepxhe+KANWis+e/uJdPhuNHhgneUK3l3sr22EIzyPLZg3T5SoI5zgjFQWGuNLoFpqGq2r2ctyFJtoVknaPcflDAIGBwRuyo2nOTxmgDXorMTxDYPPBEFvA06oyE2E4UBwSNzFMIeDkMQVOAcEilTX7F1lIF2BEyq26ymGSzlBjKfMMgkkZAXDHCkGgDSorCutcuZWji0q3GbhIWinuIZVEW/zCzSIVXG0IPl3BtzANsyGNlfEFnutY5FuhJcpGy7bKcqu/OAzbMJjByGwV43AZFAGpRWOfEltJbCWztr2Y+ZApR7OWEhZZAu751H3RlmHUAc4yKfHr0Cskd1HMkskrooitppFwJfLUlvLAXOQeeMZILKN9AGrRWUPEmnmW5j232bZXZz/Z9xghCAdh2Yc88BclhyMgVdtr6C6h82JmVdzLiWNo2yrEH5WAOMjg4wRgjIINAFiimebH/wA9F/76o82P/nov/fVAD6KZ5sf/AD0X/vqjzY/+ei/99UAPopnmx/8APRf++qPNj/56L/31QA+imebH/wA9F/76o82P/nov/fVAD6KZ5sf/AD0X/vqjzY/+ei/99UAeM/tSf8ku07/sMRf+iZqKb+1G6N8L9OCsCf7Yi6H/AKYzUUDPa6KradqFtq2l2mo2Enm2t5Ck8Em0jcjqGU4PIyCOtWaBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFNEiGQoGUuBkrnkD6UAOooooAKKKKACiiigAooprSIjKHZVLHCgnGT7UAOooooAKKaZEEgQsocjIXPJH0p1ABRRRQAUUUUAeK/tS/8AJLtO/wCwzF/6JmornP2rPEA26D4dhn5+e+uIdp4/gibPT/nsMf8A1qKBifs6fFW1t7WPwR4huRC3mH+yppMBW3HJgJ7EsSVznO4rkfKD9HV+ctfoN4X/AORQ0f8A68YP/Ra02I1KKKKQBRRRQAUUUUAFMllWGF5X4VFLH6Cn1R1r/kDXH+6P5igCvYq9rdRPMT/pqFmyeknXH5HH4VblvJPtLW9rB50iAFyz7VXPQZ55/CotS+9Yf9fK/wAjT7P/AJCN/wD9dE/9AFAFe5ub4X1mqwKu4MTH53DHHQ8dqmku/KuLnZaq0sUKuSGwX68Zx2xRd/8AIXsP+2n/AKDTV/5DV3/17p/NqAJ5b5UtYZYl8wzsojXOM5/+tzTLq9uLfzHWzLwxDLOZACR3IHf9KpWf/Hvo/wDwL/0E1U8U9V+g/nQBo3d1c/2hZi2RWjkDMAZNu/jvx2qxJey+e0NrbiZ4wDJmTaFz0Gccmq3/AC9aT/1zb/0AVzev/wDIcuPqP5CgDtLW4W6t1lQFc5BVuoIOCKoWsosVv4m+7AxlUf7LDP8APNJ4b/5Akf8AvN/Oq+rf66+/69U/9DNAEumSNYx3MdyeVQXHP+0Of1Bp9pi1tbFZoVeW4kLFj1RiCc/0qDVf9fc/9eJ/9Cq1df67TP8Arr/7IaAHHUZ3kuEt7PzTA+1sybc8Z446+36086mrWsEkETSyXH+rjzj65PbFN0//AF+of9dz/wCgiqOnfe0n/rnLQBYWWWTXoBcQeUywv0bcp5HQ1MNQnmVpLSz82FSQGaQKWx1wMfzxST/8h23/AOuEn8xTtF/5A1v/ALp/maAHxagk01uEQ+XOhZXJ6EdVI/z0qJdVVre7l8oj7OxABP3x2P4mqVl/qtN/67Tf+zVCv/HnJ/1zt/8A0M0AapvpmuHht7USPEFMmZduCRnA45/SqXi3xdpHgnw7PrOv3Hk28XCIvMkznpGi/wATHH0ABJIAJCTf8jhF/wBca+ef2q/+Rv0L/rxb/wBGGgDyLxZ4kvvG3jC91vUSBcX03yoMYjThUQYA4VQBnqcZPJNFZNr/AMfcX++KKbA//9k=)

**Program No: 08 Date:25-09-2022**

**Aim**:Implement options menu to navigate two activities.

**Program Code:**

**Activity\_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Hello World!"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintLeft\_toLeftOf="parent"

app:layout\_constraintRight\_toRightOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

**menu.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<menu xmlns:android="http://schemas.android.com/apk/res/android">

<item android:id="@+id/item1"

android:title="File"/>

<item android:id="@+id/item2"

android:title="Edit">

<menu>

<item android:id="@+id/sitem1"

android:title="Cut"/>

<item android:id="@+id/sitem2"

android:title="Copy"/>

<item android:id="@+id/sitem3"

android:title="Paste"/>

</menu>

</item>

<item android:id="@+id/item3"

android:title="View"/>

</menu>

**MainActivity.java**

package com.example.myapplication7;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

getMenuInflater().inflate(R.menu.*menu*,menu);

return true;

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

switch (item.getItemId()){

case R.id.*item1*:

Toast.*makeText*(getApplicationContext(),"File selected",Toast.*LENGTH\_SHORT*).show();

break;

case R.id.*item2*:

Toast.*makeText*(getApplicationContext(),"Edit selected",Toast.*LENGTH\_SHORT*).show();

break;

case R.id.*sitem1*:

Toast.*makeText*(getApplicationContext(),"Cut selected",Toast.*LENGTH\_SHORT*).show();

break;

case R.id.*sitem2*:

Toast.*makeText*(getApplicationContext(),"Copy selected",Toast.*LENGTH\_SHORT*).show();

break;

case R.id.*sitem3*:

Toast.*makeText*(getApplicationContext(),"Paste selected",Toast.*LENGTH\_SHORT*).show();

break;

case R.id.*item3*:

Toast.*makeText*(getApplicationContext(),"View selected",Toast.*LENGTH\_SHORT*).show();

break;

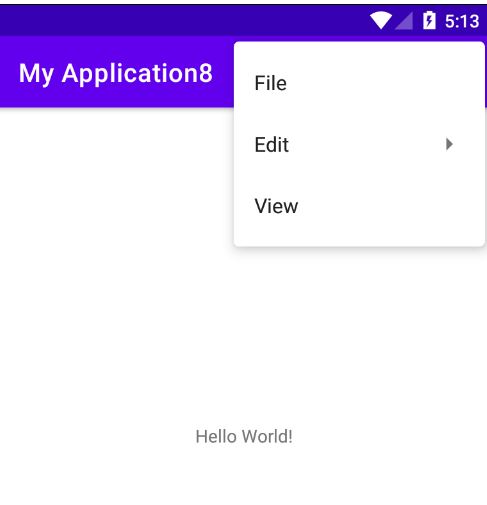
}

return super.onOptionsItemSelected(item);

}

}

**OUTPUT**



**Program No: 09 Date:28-09-2022**

**Aim**:Design a simple calculator using GridLayout.

**Program Code:**

**Activity\_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<GridLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Enter 1st num"

android:layout\_row="0"

android:layout\_column="0"/>

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/n1"

android:layout\_row="1"

android:layout\_column="0"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Enter 1st num"

android:layout\_row="2"

android:layout\_column="0"/>

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/n2"

android:layout\_row="3"

android:layout\_column="0"/>

<Button

android:text="ADD"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_row="4"

android:layout\_column="2"

android:textColor="@color/white"

android:background="@color/design\_default\_color\_error"

android:id="@+id/add"/>

<Button

android:text="MUL"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_row="4"

android:layout\_column="1"

android:textColor="@color/white"

android:background="@color/design\_default\_color\_error"

android:id="@+id/mul"/>

<Button

android:text="SUB"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_row="4"

android:layout\_column="0"

android:textColor="@color/white"

android:background="@color/design\_default\_color\_error"

android:id="@+id/sub"/>

<Button

android:text="DIV"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_row="4"

android:layout\_column="3"

android:textColor="@color/white"

android:background="@color/design\_default\_color\_error"

android:id="@+id/div"/>

<TextView

android:hint="Result"

android:width="70dp"

android:height="50dp"

android:layout\_row="2"

android:layout\_column="2"

android:id="@+id/result"

android:textColor="@color/design\_default\_color\_error"/>

</GridLayout>

**MainActivity.java**

package com.example.myapplication9;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

EditText a = findViewById(R.id.*n1*);

EditText b = findViewById(R.id.*n2*);

Button add = findViewById(R.id.*add*);

Button mul = findViewById(R.id.*mul*);

Button sub = findViewById(R.id.*sub*);

Button div = findViewById(R.id.*div*);

TextView result = findViewById(R.id.*result*);

add.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Double n1 = Double.*parseDouble*(a.getText().toString());

Double n2 = Double.*parseDouble*(b.getText().toString());

Double r = n1 + n2;

result.setText(String.*valueOf*(r));

}

});

sub.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Double n1 = Double.*parseDouble*(a.getText().toString());

Double n2 = Double.*parseDouble*(b.getText().toString());

Double r = n1 - n2;

result.setText(String.*valueOf*(r));

}

});

mul.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Double n1 = Double.*parseDouble*(a.getText().toString());

Double n2 = Double.*parseDouble*(b.getText().toString());

Double r = n1 \* n2;

result.setText(String.*valueOf*(r));

}

});

div.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Double n1 = Double.*parseDouble*(a.getText().toString());

Double n2 = Double.*parseDouble*(b.getText().toString());

Double r = n1 / n2;

result.setText(String.*valueOf*(r));

}

});

}

}

**OUTPUT**

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDiRXhpZgAATU0AKgAAAAgABAE7AAIAAAAIAAAISodpAAQAAAABAAAIUpydAAEAAAAQAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHZhaXNodXMAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzc4AACSkgACAAAAAzc4AADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIyOjExOjAyIDE3OjUyOjEyADIwMjI6MTE6MDIgMTc6NTI6MTIAAAB2AGEAaQBzAGgAdQBzAAAA/+ELGmh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjItMTEtMDJUMTc6NTI6MTIuNzc3PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPnZhaXNodXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgB6QD1AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+d81ftNIvbyN5IoJDHGMuwQnaOeTjp0PWtfwXZ6bJqDza1JYRxBAYzfrcNGSHUkfuPmBKhhk8Yz0O1h02m32mjTNSs7u8sRYyGOeO3limEzlEnVFV4lC+YPN5L/KTt5IBB+jwGVKpD2tZO2ll3X9f8ObRp3V2cU2jGBYzcLKnmLvQldodfUZ6jjrT7bRvtd1FbWsc008ziOOOMbmdicAAAcknjFdd4pntDpNhbWWvW2rlZZLmd0SdZDPKsfmHDxqoQeWijBJOCxwGCrp/C/xZp/hm71e31K6vNPOrWf2OHULSNGNozH/AFhzhsL1+Vs8dCdpX3XgcLGg5xo3a6a9/v8AM05Y2vY8+uNG+x3UttdRywzwuY5IpBtZGBwVII4IPGK0tL8D6lrFobnT7YvFvMcZknjjM74zsiDEGV+nypuPI45Get+KPirT/E+qaXHptzdXw0uxWylv7pFVrt0Y5lHVsN975jnnoDknZ8H+L7XS9IN3FJazNBYraXOk3ZiSOaIFjImX5Kvu3jYWYSGQMhUqayng6KoKoqC5n0d/6+8OVWvY8mm0kW88kNwksUsbFHjcbWRgcEEEcEHtTP7Ph9X/ADFdB4m1SLWPEE97b+YUZI4/NlGHnKRqhlcc4Zypc8nljyepya7YZbhHFN0kmVyR7FX+z4fV/wAxR/Z0Pq/5irVFX/ZmD/59oOSPYq/2fD6v+Yo/s6H1f8xVqij+y8H/AM+0HJHsVf7Oh9X/ADFH9nw+rfmKtUUf2Xg/+faDkj2Kv9nQ+r/mKP7Ph9W/MVaoo/svB/8APtByR7FX+z4fVvzFJ/Z0Pq/51boo/svB/wDPtByR7FX+zofV/wA6P7Oh9X/OrVFH9l4P/n2g5I9ir/Z0Pq350f2dD6v+dWqKP7Mwf/PtByR7FT+zofV/zo/s6H1f86t0Uf2Xg/8An2g5I9ip/Z0Pq/5ij+zofV/zFW6KP7Lwf/PtByR7FrSPAusa/G0uiaRqN9EhKtJbwM6KQMkFgMZx268j1qjf+Hp9MvJLPUbe5s7qPG+G4jKOmQCMqQCOCD9DXrfwg+La+DI7nSfEUlxNpBjeW2Ea72glAJKKPRz26BiDwCxrCuvENh8R/iO2q+OtU/sbTMABI45JmSJT8sKbVPJySWIAyWOOi15ywVJVpxqUFyJaNXbfp5kcqvqjzW40a8gtI7ryXa3kZkjl2EB2UAsAehI3LkD1HrWe6sjlXUqynBBGCDXpvizV7e+8PaXZQ6jaXTWt5dSJBZRSpDawukARFEiqesbk9SSSzEsxJ6f4+X3gLxXZ22v+Fb1Jte81Y7kRRPGJoNjfM4ZRllIUA9cHBzhdvjZhlvs1GdCD1vdau1tvvXcznC2qPCqKUdKK8AyOvWzgRQqpgAYHJpfssP8Ac/U1NU8tjdwWdvdz2s0dtc7vImeMhJdpw21jw2DwcdK/bvZ042Vke/yQ7FL7LD/c/U0fZYf7n6mrt1Y3dj5P221mt/PiWaLzoynmRt0dc9VODgjioKahTaukh8kexD9lh/ufqaPssP8Ac/U1buLW4tGjF1BLAZI1lQSIV3IwyrDPUEcg96ioUKbV0kHJHsQ/ZYf7n6mj7LD/AHP1NXLayur3zvsdtNceREZpfKjLeXGOrtjooyMk8c024tp7SbyruGSCTarbJEKthgGU4PYggj1BFLlp3tZXFyw7FX7LD/c/U0fZYf7n6mpqkt7ae7m8q1hknk2s2yNCxwoLMcDsACT6AGm4QSu0h8kexV+yw/3P1NH2WH+5+pqaij2cOyDkj2IfssP9z9TR9lh/ufqav3emX9hFbyX1lcW0dynmQPNEyCVf7ykj5hyOR61WpKNOSukg5YdiH7LD/c/U0fZYf7n6mpqKfs4dkHJHsQ/ZYf7n6mj7LD/c/U1NRR7OHZByR7EP2WH+5+po+yw/3P1NTUUezh2QckexD9lh/ufqaPssP9z9TU1FHs4dkHJHsQ/ZYf7n6mj7LD/c/U1NRR7OHZByR7EP2WH+5+po+yw/3P1NTUUezh2QckexD9lh/ufqaPssP9z9TU1FHs4dkHJHsQ/ZYf7n6mj7LD/c/U1NRR7OHZByR7HI3kH2e8liAwFY7R7dv0oqzq4/4mkv4fyFFfjeNpxp4qpCOyk19zPCqJKbS7nS16npFlaeJ/B2g6BqdwtvDZWf9qCYqoKwC9uEugHPIJj2OBgj9z0ryyiv13FYd14pKXK07p/Jr9T3Jx5ke4eI7Oz+IPi/S7C7jhs7zWfDlvc2MzB3Ns4meRkG0gEGLzByP4Vxjv5taaVY+K/iYunaNCLXS7q9YRiNtpjtlJJfLk8iNSxz3/KsnSNcudE+1NYJCJ7iFoBcMmZIFYYYxn+ElSVzjOCcYPNZ1cmGwNTDqUIz0taPk+9vu0v0fciFNxukz1/WYtN8b6zoOoxXFlqNvb60mm3Edqk0e2zllLW6MrIgXaPNTK/7PJPTPh8Ni7m0T+0vCNvp+o3C6iiaaFniF0sNqGhLBpNwPmbhnILevevO9K1GbR9Ys9StlRprOdJ41kBKllYMM4I4yKTTtRl0y6ee3VGd4JoCHBI2yxNGx474c498VCwFWnHkpT0Sdvmn2aW7T27JWtcXsmtEz1qw02Czs9TupNMXRtTvPB9+97pyQyRrFtnCRvtckgsq9P8AZz3rNu9DiS91WTSfD669fQLpsSWkwmm8qGSzy7gK4P3gozzs4xjjHltFOOXTjJy9pv690+97WVt9uoKk11PZPBPgnStXmeDUNCX7NqF/eQsbYtdNYCIZWNrhZAsWDjadrmTvwRWfZW39oaD4PMmlCO0/srUUa7h81cuqXXyFt2Pm27yvfJ/h4ryuih5fUlJydV67b6aSXfzX3B7J33/rU9RHhnTD4QfdokS6aPD/APaS695zFmvcAeVvzsxvzF5WN3GevNaHibQfD+n2vi37JoNnEfDkmmzWzK0habztnmLJuYgqegAAxz3Jrx6in/Z9Xn5nVe+2veL79Umu2ui7nsne9z0zx5fQXng6e8e71NpdZ1v7faWupwiNo7fy3+aMBmynzxqGyA20YHy15nRRXbhcOsPT5E7mkI8qsFFFFdRYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc3qwzqcv4fyFFGrf8hOX8P5CivxrMf99rf4pfmzwav8SXqz6D/4Z41n/oM2f/ft6P8AhnjWf+gzZ/8Aft69es7LUW8OGzaG/tp47fCs8sSEuFG0KYm6Bh/F1zzkZFM1PTtYW4uTpRnijkuGlLB/MYsY02soMqDaCHG1iR935SOR6P8ArHmX86+5f5G31qr3PJP+GeNZ/wCgzZ/9+3o/4Z41n/oM2f8A37evc9PsXNjcxamhmM9xOWSZ/MUxmRtgwSQBs28fpnNZNvpuqRWeiWxW4VIbOKG4WOcIsZAAflWBzjI+6/QbTGfmo/1jzL+dfcv8g+tVe55F/wAM8az/ANBmz/79vR/wzxrP/QZs/wDv29ew2OlXi+HtAsZEubcQFVvFW6KsAIXH3lbJG/bgA9McADAgaPxHJp93E8VwLqRC6SrMgUN9kC7Rhsg+dk9Md80f6x5l/OvuX+QfWqvc8l/4Z41n/oM2f/ft6P8AhnjWf+gzZ/8Aft69ytLCS11BnElw0IBRBLcNINuFPRicndu5POOM4wK0qP8AWPMv519y/wAg+tVe589/8M8az/0GbP8A79vR/wAM8az/ANBmz/79vX0JRR/rHmX86+5f5B9aq9z57/4Z41n/AKDNn/37ej/hnjWf+gzZ/wDft6+hKKP9Y8y/nX3L/IPrVXufPf8AwzxrP/QZs/8Av29H/DPGs/8AQZs/+/b19CUUf6x5l/OvuX+QfWqvc+e/+GeNZ/6DNn/37ej/AIZ41n/oM2f/AH7evoSij/WPMv519y/yD61V7nz3/wAM8az/ANBmz/79vR/wzxrP/QZs/wDv29fQlFH+seZfzr7l/kH1qr3Pnv8A4Z41n/oM2f8A37ej/hnjWf8AoM2f/ft6+hKKP9Y8y/nX3L/IPrVXufPf/DPGs/8AQZs/+/b0f8M8az/0GbP/AL9vX0JRR/rHmX86+5f5B9aq9z57/wCGeNZ/6DNn/wB+3o/4Z41n/oM2f/ft6+hKKP8AWPMv519y/wAg+tVe589/8M8az/0GbP8A79vR/wAM8az/ANBmz/79vX0JRR/rHmX86+5f5B9aq9z57/4Z41n/AKDNn/37ej/hnjWf+gzZ/wDft6+hKKP9Y8y/nX3L/IPrVXufPf8AwzxrP/QZs/8Av29H/DPGs/8AQZs/+/b19CUUf6x5l/OvuX+QfWqvc+EPiD4dm8KeOb/RbqZJ5bby90kYIB3Rq/f/AHqK6H4+f8lv17/t3/8ASaKivEq1JVakqk927v1ZzNuTuz7Oorl9V1PUrLxjEk5vINFMdqi3EEUTR+fJM6FJC3z4Y+So2A43EsVHNJY+Ib3UPHEFvCYxo1xZXL252fNO0Uluvmhv7hMrqBjBCbwWDrjER1NFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8Y/Hz/kt+v/APbv/wCk0VFHx8/5Lfr3/bv/AOk0VFMD64u9B0y6vmuJtys80M80aTFElkiYNG7KDyylV57hVDZCqAlv4a0C21iDUrPTbOC8gjkijeGJUwr7d3A7/KOeoGR3NakU8U2fJlSTHXYwOKfSAKKKAQwBByDyCO9ABRRRQAUUUUAFFFFABRRRQAUUVHPcwWyB7maOFScBpGCgn05oCzexJRTFljfZskVt67kw2dy8cj1HI/OhJ4pJZIklRpI8b0DAlM8jI7ZoHZj6KKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHxj8fB/xe/Xv+3f/ANJoqKPj5/yW/Xv+3f8A9JoqKYH1PZ2OpyeGzZTpqUU8VuRG0k8UZ3hAFCmFh8oI/i9ec03UtL1X7Tc/2c11HFLctIWSUsxYpGFcZlXCqQ42kkdPkIAx1NFIDM0/Ty1hdRaohn+0XMztHcP5qlDK2wAEkAbNvA6emayrbS9UittEt2SZY4bKKC4VLkosZC4fJVhzjocPyOPL++eoooA5ux0i7Hh3QbCVLq3FuwW8VbtlYARSD76PkqX2kAHgY4AGBC8HiKTTbuJ0uBdSJ5iSrOiqGNoE2jDcHzQT0xk5zXVUUAZllpr2eoM6yXTRAFFE108g24U9GY5O7dyeccZxgVp0UUAFFFFABRRRQAVT1aK6n02S3sWaOWbERlR9jRKxwzqcH5lUkjg5IHbmrlFA4uzuc3/Y1xp/iiPUrWAzWkGnzW8NtBtQQqPJKQopYKCSjnPHYE4VcQ6Ho+oWniISXMJjt7X+0MS71Kz/AGq6WdNgBz8qqVbcF5Py7hzXVUUrG/1ifLZ+n5/5sKKKKZzhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHxj8fP+S369/27/8ApNFRR8fP+S369/27/wDpNFRVAfZ1FFFSAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHxj8fP+S369/27/8ApNFRR8fP+S369/27/wDpNFRTGfWdz4ps7bVHs3gumjhuIrSe7WMeVDPLs8uM87iW82PlVKjcMkc1Lp/iO01LUTawRzqGWRred1Hl3KxuEkKEEnCsyj5gu7OV3LzUV5p2oahr8cl5HbSaXasklvB5zAvKOfNkGzBKnGxc4BG85bZsoaDoGpadd6XFd/ZjaaVbXNvHIkhLyhnTyjjGB+7Q7ufvHjI5pCOqooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPjH4+f8lv17/t3/wDSaKij4+f8lv17/t3/APSaKimM+pZfFXhuSVmTx3YxKTkIl7a4X2GVJ/Wlg8V+G4pleTxzYTqOscl7ahT/AN8gH9a+RKK/Qv8AVSj/AM/H9yOz+zKfNzcz+9/5n2P/AMJv4U/6GfRv/BhF/wDFUf8ACb+FP+hn0b/wYRf/ABVfHFFL/VOh/wA/H9yNvqUe59j/APCb+FP+hn0b/wAGEX/xVH/Cb+FP+hn0b/wYRf8AxVfHFFH+qdD/AJ+P7kH1KPc+yV8Z+F3V2TxJpDLGu5yL6IhRkDJ+bgZIH4im/wDCb+FP+hn0b/wYRf8AxVfJOmf8g/WP+vNf/SiKs6ojwrRba9o9PJdkJYOPc+x/+E38Kf8AQz6N/wCDCL/4qj/hN/Cn/Qz6N/4MIv8A4qvjiir/ANU6H/Px/ch/Uo9z7H/4Tfwp/wBDPo3/AIMIv/iqP+E38Kf9DPo3/gwi/wDiq+OKKP8AVOh/z8f3IPqUe59j/wDCb+FP+hn0b/wYRf8AxVH/AAm/hT/oZ9G/8GEX/wAVXxxRR/qnQ/5+P7kH1KPc+x/+E38Kf9DPo3/gwi/+Ko/4Tfwp/wBDPo3/AIMIv/iq+OKKP9U6H/Px/cg+pR7n2P8A8Jv4U/6GfRv/AAYRf/FUf8Jv4U/6GfRv/BhF/wDFV8cUUf6p0P8An4/uQfUo9z7H/wCE38Kf9DPo3/gwi/8AiqP+E38Kf9DPo3/gwi/+Kr44oo/1Tof8/H9yD6lHufY//Cb+FP8AoZ9G/wDBhF/8VR/wm/hT/oZ9G/8ABhF/8VXxxRR/qnQ/5+P7kH1KPc+x/wDhN/Cn/Qz6N/4MIv8A4qj/AITfwp/0M+jf+DCL/wCKr44oo/1Tof8APx/cg+pR7n2P/wAJv4U/6GfRv/BhF/8AFUf8Jv4U/wChn0b/AMGEX/xVfHFFH+qdD/n4/uQfUo9z7H/4Tfwp/wBDPo3/AIMIv/iq2IJ4bq3juLWVJoZVDxyRsGV1IyCCOCCO9fEFfYfgL/knfh//ALB0H/ota8LOcmp5dThOEm7u2pz16CpJNM6CiiivmjkPjH4+f8lu17/t3/8ASaKij4+f8lv17/t3/wDSaKimMyqKKK/dD6E6I6HYt4NGowfaJbxI/MnKzx7Yf3uwK0Jw+0qVbzQSu5gmM5I6CDwHpR1O9hklunjttW1CzVTcRxb47eB5Ey7LtUkqAWIwB2FcT/a19/Zv2D7S32bbs2YGdm7fs3ddm/5tudu75sZ5qw/ibWJbmO4lvpHljEgDMAdxkXZIWGPmZl4ZmySAAScCvOqUcTK6jO3xd+u33GTjPoyfxZo1tomrRQ2DyPBNaxTrvkWUKWX5lEqALIFbcu5RjII7GsSrF7qF3qUyy307zOiLGm48IijAVR0CjsBwKr12UozjTUZu7NI3S1NHTP8AkH6x/wBea/8ApRFWdWjpn/IP1j/rzX/0oirOpU/in6/ogW7CvQ9Y+HVjp974klgubl9O0+3LWDuyiSeRXZHyMcqjxSqcAHJjPRs155WnN4k1idJkm1Gd1nMzSBmyGMpVpP8AvoopP0rLEU685RdKVl1+9f5W9GyZKTaszpofBOnSeKrvTGnuvJg8QWumKwZdxil87cx+XG790uDjHJ4NcNWs3inXHNqW1Ocm1lSaI7uRIgwjn+8ygAAnJAGBxxWdc3Ul3KJJRGGAx+7iWMfkoAooQrwb9o76L8N+nXcIqS3IqKKK6ywqW1tpr28htbSNpZ55FjijUcuzHAA+pNRVNZ3c9heRXdnIYp4XDxyAcow6Ee465qZXs+XcDudS8AWeieLrqxvzfTWMOmTXsZGIJZTFuVvvIwVWeNivDfIyHJzUNr4O0iS/mt3nvpEuLrTbeylUohiF5C8oaRMHfswowpXPPIrlLPWtRsIVitLpkiXzMIQGX94FV+CMHcEUH6VPD4o1yC5uLmLVboXFw6ySzmQmQuqsqtvPzAhXYZBzgkV5v1fF8tvaXdrdtb7/AHGPLO25myxmGZ4yysUYqShyDg9j3FMoor0zYKKKKYGj4d06LV/FGlabcs6Q3l5DbyNGQGCu4UkZBGcGt9fClhdaJPrNs1zDavp01zbwSyB5EkimjjIZtgDoRJkEBecj+HJ5S1uprG8hu7SRop4JFkikXqjKcgj6EVak13U5WkMl5IRJb/ZSowFEO4N5YA4VdwzgY5rkrU60ppwlZafrf79NfLzIkpN6M2fEXhmy0XTZL6Kadoru4i/swSYBeBoRK5fAxuXzYF4IBO/jjjl6sT391c2ltaz3EkkForLBEzfLGGYs2B7kkmq9aUYThC1R3f8AX9PzuOKaWoV9h+Av+Sd+H/8AsHQf+i1r48r7D8Bf8k78P/8AYOg/9FrXyfFn8Cn6v8jixvwo6Ciiivz08w+Mfj5/yW/Xv+3f/wBJoqKPj5/yW/Xv+3f/ANJoqKYzvf8Ahn3xb/z+aT/3/k/+N0f8M++Lf+fzSf8Av/J/8br6Ror6P/WbMO6+46vrdU+bv+GffFv/AD+aT/3/AJP/AI3R/wAM++Lf+fzSf+/8n/xuvpGij/WbMO6+4PrdU+bv+GffFv8Az+aT/wB/5P8A43R/wz74t/5/NJ/7/wAn/wAbr6Roo/1mzDuvuD63VPnmz+BHim3tb+J7rSy1zbiJMTSYBEqPz8nTCH9Kqf8ADPvi3/n80n/v/J/8br6RopLiTHptprXyF9bqnzd/wz74t/5/NJ/7/wAn/wAbo/4Z98W/8/mk/wDf+T/43X0jRT/1mzDuvuH9bqnzd/wz74t/5/NJ/wC/8n/xuj/hn3xb/wA/mk/9/wCT/wCN19I0Uf6zZh3X3B9bqnzd/wAM++Lf+fzSf+/8n/xuj/hn7xb/AM/ek/8Af+T/AON19I0Uf6zZh3X3B9bqnzd/wz74t/5/NJ/7/wAn/wAbo/4Z98W/8/mk/wDf+T/43X0jRR/rNmHdfcH1uqfN3/DPvi3/AJ/NJ/7/AMn/AMbo/wCGffFv/P5pP/f+T/43X0jRR/rNmHdfcH1uqfN3/DPvi3/n80n/AL/yf/G6P+GffFv/AD+aT/3/AJP/AI3X0jRR/rNmHdfcH1uqfN3/AAz94t/5+9J/7/yf/G6P+GffFv8Az+aT/wB/5P8A43X0jRR/rNmHdfcH1uqfN3/DPvi3/n80n/v/ACf/ABuj/hn3xb/z+aT/AN/5P/jdfSNFH+s2Yd19wfW6p83f8M++Lf8An80n/v8Ayf8Axuj/AIZ98W/8/mk/9/5P/jdfSNFH+s2Yd19wfW6p83f8M++Lf+fzSf8Av/J/8br3zwxps2j+FNL026KGeztIoJDGSVLKoBxnHHFatFefjs1xOPio1mrLsjKpWnUVpBRRRXlmJ8Y/H3/kt+vf9u//AKTRUUnx9/5Lfr3/AG7/APpNFRTGfZ9FFFIQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHxj8fP+S36/wD9u3/pNFRSfHz/AJLhr/8A27f+k0VFMZ9n0UUUhBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfF/x9/5Lhr//AG7f+k0VFHx9/wCS4a//ANu3/pNFRTKPtCiiikSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8YfH3/AJLhr/8A27f+k0VFHx9/5Lhr3/bt/wCk0VFMo+z6KKKRIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHxh8ff+S4a/8A9u3/AKTRUUfH3/kuGvf9u/8A6TRUUFH2fRRRQSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8X/AB9/5Lhr/wD27f8ApNFRR8ff+S4a/wD9u3/pNFRQM+0KKKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfF/x9/wCS4a9/27f+k0VFHx9/5Lhr/wD27f8ApNFRQM+0KKKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfF/x9/5Lhr//AG7f+k0VFHx9/wCS4a//ANu3/pNFRQM+0KKKKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfF/x9/5Lhr/AP27f+k0VFHx9/5Lhr//AG7f+k0VFAz7Qoqh/aR/55j86P7SP/PMfnTsTcv0VQ/tI/8APMfnR/aR/wCeY/OiwXL9FUP7SP8AzzH50f2kf+eY/OiwXL9FUP7SP/PMfnR/aR/55j86LBcv0VQ/tI/88x+dH9pH/nmPzosFy/RVD+0j/wA8x+dH9pH/AJ5j86LBcv0VQ/tI/wDPMfnR/aR/55j86LBcv0VQ/tI/88x+dH9pH/nmPzosFy/RVD+0j/zzH50f2kf+eY/OiwXL9FUP7SP/ADzH50f2kf8AnmPzosFy/RVD+0j/AM8x+dH9pH/nmPzosFy/RVD+0j/zzH50f2kf+eY/OiwXL9FUP7SP/PMfnR/aR/55j86LBcv0VQ/tI/8APMfnUMmslHK+SDj/AGv/AK1IZq0Vkf24f+eA/wC+/wD61H9uH/ngP++//rUAfI3x9/5Lhr//AG7f+k0VFRfHWb7R8aNclI27hbnGf+neOigZ9gWkHny/N91eTVu6u7PTYYzcyJCksqwoCOXdjhVA6kmoNPkCzMh6uOPw7f59Kg1fSJ7jVLHVdPeM3dmSgiuCTFJG3DY4Ox8dGUZ7HIPDZKLV7bKsfmxgLjqBVGtS+l8q2I43OdoB/X9M1l00JhWRP4higFxL9ivJLS2cpNdIilEwcMcbtxCnOSFPQ+la9c9eaNqzW17YWN3aixvPOJM8bGSIybiyjBAI3McE8jPfFMR0AIIBByD0IpapaTOZbBUe1e0eD908Tg4UgD7rfxL6H+uRV2kMKo3uoPbXUNtb2j3M0yPIFV1UBVKgkkn1cfrV6sLXoUe/ga5gkkt2tZ4iyWpuNrlomUlAp/uE8jHFMRNba4ZryKCW02CSZoN6TpIEkVS5VsHIOFP6Vr1yukQapdapCbiaWaztJDObi5tjA80pjZNqx4G1AHyTg5OeeeOqoBBVa+1G00yATahcR28ZbaGkbAJ9P0NWaztXsrq8W1ksJYYp7Wfzl85Cyt8jKQQCD/H+lIBf7d0swiUX8BjMRm3B8jYG2lvpnj61NY6jZ6nAZtPuI7iNW2FozkA4Bx+ornbnwlfXlsy3epLPO9g9q0rIeWaUPnr0AGK6WztRZWiW6yzTBM/PPIXc5OeWPXrTDUnooopDMTVvFNpo+oi0uba8kxEJpJYYd6RIWI3NzkAYPar9tqlvdzeVEtyjYyPOtZYgfoXUAn2rnfFdjql3qsEllpIv4YYty5mjVC53Ah0cHeMYxjBG5sHniTwc0jaVafanX7U5MkkYnLkDbjcVz8pJOSO5Yk4JwH0JvqdVTWYqyAfxHB/ImnVHJ9+L/e/oaRRJRRVe+tBfWMts000IlXaZIH2uv0NAFiisWTw2kgmB1XVB5sCQEi6PAXHzDj7x28nvlvWtaGPyYI4gzvsULudss2B1J7mmIkqnP/rm/wA9quVTn/1zf57UhnN+JvFkHhmbT457aSb7bKVyrAbFGMn3PzDj68iugrjvFXh641PVrOWW3N/ALkNConaLyDsG4PhG/dnywc8EFsd+OpsoJbe0SO5nNxLks8hGMkkkgDsozgDnAA5NHQFe58tfG3/ksGs/7tv/AOk8dFHxt/5LBrP+7b/+k8dFSWfXpQkcg+vHaplu7xAAHVhnq8eT+hFPoqiCu3mO++Vmkb1I6fQdqNp9D+VPS4jkuZYFLeZEFLAoQMNnGCRg9D0qWgCvtPofyo2n0P5VYquL2I6gbPDiXYXG5CAwG3OD3xvX25x1BwAG0+h/KjafQ/lViigCvtPofyo2n0P5U1b+BtSaxG4TrH5mCuARxyPzHPQ8gZIbFqgCvtPofyo2n0P5VYqsb6EamthlvPaEzAbTjaCB16ZyRxQAu0+h/KjafQ/lViigCvtPofyo2n0P5UiX9u+pPYpIpnjTey71yBx2znuOcY561ZoAr7T6H8qNp9D+VWKqrqNs+pvp6Sq1zHGJXQEZVScDj/OOM4yMgDtp9D+VG0+h/KrFFAFfafQ/lSbCcZXp04pTdqNQW0aNw7ozq3G1gu0HvnqwHSrFAFfafQ/lRtPofyqxVX+0IP7V/s7J+0eT52P9nOP50AO2n0P5UbT6H8qsUUAV9p9D+VVJopDMxCMR9KtfboRqH2Mk+btDdOOc8fXAJ/CrNAGT5Mv/ADzf/vk0eTL/AM83/wC+TWtVZr6FL5bRtwkYDBxwSQxA+uEY/h7jIB8hfG4EfGHWQRg4t+v/AF7x0VJ8df8AktGuf9u//pPHRUln2FXI3fjmSOW5mstIkudMtdQi02S7aYRkztKsTFUI+ZEZtpbOSwwARlh11cF4i8ManZWNwujXKy6ddaza30lj9leSZWa6ieQpJvwqbg0hBQ4y3IGMWjJ3O6ESCZpQPnZQpOeoGSP5mo72WeDT7ia0tjdXEcTNFbhwnmsBkLuPAyeMnpmp6KRRx4+I+mfbUVreZbRtC/tv7SccJ18vb/f2ZbGegroNNtxL5eq3NrLaX91bxieBrhnERxnZjO35SSMgdye5rmE+GNimivpwvZvLbVjf4K/KIivkm2xnPl/ZyYuvHUf3a7em7dCVfqFck/j20GsLbpFE1p9uGnNL9qQTCfzPLyIepj8z5N2c5527fmrra5W08Hz2OsSTW1/a/YZL570pJpyNcozv5jIsxONhck8oWAYgMPlIEN3OiFjANQN7hzOUMYLSsVVTjICk4Gdo6DtViiikM5q18VXN948v/D1rpJaDTVja6vmuAAnmRlkATGSSRj0HXPY7g0+0XUTfrbxrdFCjTKuGYHHB9fujr0rN0zw7/Zvi3Xdb+1eZ/a4tx5Pl48rykK/ez82c56DHvW3TEvMK5uTW9VT4lW+ifZrX+zZdPlujL5reaSrxrnG3A5fGM8jnIxtPSVkXOiPL4wsddhuVj+z2k1pNC8RbzUdkYFW3DaQ0Y6hsgkcdaAZofZIvt32vDmYRmMEyNtCkgnC5wDwOcZ4qeiikM5pvGKJNLayWEovY9YTS1t1YMX3KsglBGcKIWMhzjG1h71vCygF8bsKRMV2k7ztPTnbnGeAM4zgYziuWh0NNQ+Kk2vJDcRwWdmsDebG0STXILgSKCBvKRu67+VIlAU/Ka7CmJBXMQ+M0mstSuPsTAWGtR6SV8z75aWKPzOnA/e5x7dea6euOm8EXf228Wz1aG30281aHVZbc2ZeTzEaJiok8zAVjFn7uQT1I4oVgd+h1ohRbhpwD5jqqE5PQEkcdP4j/AJAqSiikMyZr9o/GNlp2+XbPYXE+0FfLykkK5I27s/vOMMBjOQeCL32KD7d9s2nztu3O84+u3OM9s4zjjOKrS6T5vie01fzsfZ7Oe18nZ97zHibdnPGPKxjHO7250aYgrkr7x19jN1fDS5n0Kxuvsl3qO/ayOG2O6xEZeNH+VmyDkNgMFzXW1yd74Ke8iu9MOpAaBf3LXN1ZGFjKSz+ZIiTBxtjd8kjaT8zgMMjaKwO/Q6b7LEb37WQ3neX5ed5xjOfu5xn3xmpqKKQzipfiE0Emo3E2juuk6XqR0++vftC5iPy4lEeMlBvXdyCAcgNg4602Nu1+t4yEzqu0EucAc87c4z8xGcZwSK890rwlqesS+KbHVJRaaLea+88ts9o4luowIm+WXeAI22hT8hyAwzzx6VTZKv1Pjz46/wDJaNd/7d//AEnjoo+Ov/JaNd/7d/8A0njoqDU+w6KKKogKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD48+Ov/ACWjXf8At3/9J46KT46/8lp13/t3/wDSeOipLPsSiiiqIMzxBqUmkaLLdwfZxIrIitdS+XGm5guSepxnhRyxwo5Oap+EtdutcttQW/hVJ7C8NqXWGSESjy0kV/LkAdOJANpz0yCQRVvxBoFt4isIra5lmgaC5iuoJ4Cu+KWNgysNwZT0xggjBNJoehJon21hfXd7LfXH2maW7ZCxfy0TjaqgDEa8YwO2BxT6C1uatZXiXVLnRtAnvbK0a6mRo1CKjvsDOqmQqgLMEBLEAZIU9Oo1ap6ppw1Sx+z/AGq5s3DrIk9q4V0ZWBBGQQRxgggggkEGgCh4V1mbW9Onmnn0668m5aFLnTZ/MinUBSGxkmNvmwUJJBHUgitus7R9HTSI7n/Sri8uLubz7i5uNm+R9ioCQiqowqKOAOnqSa0aARj+IdWutNgs4NMt1nv9RuRa2wlbEaNseRnfnO1Ujc4HJIA4zkUPCH2v+0/FH9oiH7QNWUMYCdjYs7bDAHkZGDt5wTjLYydXW9Eg1y0himmntpbedLi3ubZgJIZF6Mu4EHILKQQQQxBHNN0TQ00Vb0/bbq+mvrj7TPNdFNzP5aR8bFUAbY14x/hR0DqalYXjie6tfAGvXGnzm3uYdOnkjlGcoVjJyCCCDxwexweelbtU9W02HWdFvtLumdIL23kt5GjIDBXUqSMgjOD6GgGV/Dekw6H4ds9PtobeGOGPAW2jKJ9cEkknuSSSck9a1KaihEVR0UYFOpAZHiDVbrTorK302COW+1G6Frb+ccRxnY8jO+OSAkbHA5JwOM5DfD+p31/Nq1tqkVuk+nXotg1uWKyKYIpA+G5BPmfd5x0y2Nxi8X6ZNqWlW5s4LiW5tLqO4ia0uUhniK5BaMuCjHaSpR8KwZgTVfwVpmpafa6pcawJlm1C/Nyq3MySTBBFHGPMMYCBj5edqZVQQATin0F1Omrh/iabhY/Cxs0jef8A4SK28tZWKqTskxkgEgfhXcVmazoNrrjac128yHTr2O9i8ogbnQMAGyD8vzHpg+9CG9UQeHdTv77+07XV47YXem3ptWktSwjmUxRyq4VuVO2VQVy2CDya2qp2Wmw2N3qFxCzl9QuBcShiMKwijiwvHTbEp5zyT9KuUAFc18PdTOs+AtMv2jeMzK52vPJMRiRh9+Qlj07k10M8jQ20sscLzuiFlijKhpCB90biBk9OSB6kVz/w+0W88PeAdK0zU1VLuGImVFYNsZmLbcjgkbsZHHHFHQOp0lcR8S9TtdGi8NalqMnlW1rraSSNjOALefoO57AdzXb1narotvq82nS3Lyq2nXgvIvLIAZwjphsg8Yc9MduaED2E0C8vNS0aG+vlt0a6HnRR28gkVIm5QFwSHbbgkr8uTxkDJ0qz9H0a10Kze00/clqZnlig42QBjkogAGF3ZIBzjdgYAAGhQAVgeA/+Sc+G/wDsE2v/AKJWt+qek6bDo2i2Ol2rO8Flbx28bSEFiqKFBOABnA9BQHUuUUUUhnx38dv+S067/wBu/wD6Tx0UfHb/AJLTrv8A27/+k8dFSWfYlFFFUQFFNDqxYKwJU4YA9DjOD+BFOoAKKKKACiiigAooooAKKKKACiiigAooooAKKKQkAjJAycD3oAWiiigAooooAKKKKACiiigAooooAKKKKAPjv47f8lq13/t3/wDSeOij47f8lq13/t3/APSeOipLPsSua8WeJf7Ha2sYpPsk14cfbZYWeO3XOCeAdz84C9M4LcdelrL8SaS+ueH7nT4plheXYyuy7gCrhhkeh24/GrRm9jC1W2tfA9jDqWmzukhfy54Z2Z/7QY5YliAcS8MQ/TseMY6uzuVvbGC6jV0SeNZFWRcMARnBHY81jQ6fr91qljNq9xpvkWcrTBbWKQMzGN0AyzEY+cn8K36AQVl+Irm5sdFmvbbUbTTktVM0893atcII1UlvlV0Oehzk9MYOa1Kz9Z0Sy16yS01JZ2hSVJlENzJAd6HKndGyk4OCBnqAeoFAFTwlda1feH47vxJHHDdTuzxwpbmBo4ifkDoXfDkckZ4zt7ZO3VPTdMg0q2aC1kupEZ95N1dy3DZwBw0jMQOOmcdfU1coAx/FOpXei+HrjVbPyCtiBcXCTA/vIF5kVSCMPtztJyM4B4OQnhTU7rW/D0GrXZt9l9m4tkhUjy4G5jVzuOX243EYGSQOmTd1HS7TVYoY7+NpI4J47hFEjIC6NuUsFI3AEA4ORkA44FLp+mWulxzpYo0aTzvcOpkZxvc7mKhidoJJOBgZJOMk0dA6lusTxLqV/ZR6da6P9mW91K9W1jlulZo4RseV3KqQWOyJgBkZYjJxmtuqOr6NY67Yi01OEyxLIkqFJGjeN0YMrq6kMrAjqCDQAmlJqscMya1NaXEiy4iltYmjDx7V5ZCzYbduHBIIAPGcC/VHS9ItNGt5IrFZf3snmSyTzvNJI2AuWdyWJwqjk8AAdBV6gDI8S6pcaLpkWoQCIwQ3MX2zzFJ227OFdwQfl2Bt5JyNqN65B4d1W41m0u72ZIUtzezRWflMWLRRt5e9j0JZkdhjjay9eSb99ZW+pafc2N7H5ttdRNDNHkjcjAhhkcjIJ6UWFjb6ZpttYWMflW1rEsMMe4naigBRk8nAA60B1LFct4zW+e+8MLpUlvFdHV2CSXMbOij7Hc5JUEE8ZwMjnHNdTWdrGhafr8NvFqkLyrbTC4hKTPE0cgVlDBkIIIDHHPHXqBQDKnhvUb+6l1Wx1aSCe50y7W3M9vC0SShoY5QdpZsH95g8npnjOK3Ko6Vo9nots8FgkgEkhlkeaZ5ZJHIA3M7ksxwAOT0AHQCr1AHM+Ntev9Bs9K/sr7OJ9Q1W3sC9zG0ioJSRu2hlJwcHGRn9ateG77UrmTV7TWJra4n06+Fus1vAYRIpgilBKl2wQZSOvYVe1PR7DWVtRqUHnCzuo7uD52XZKhyrcEZwex49qmt7G3tJ7ua3j2SXkomnO4ne4RYweenyxqOPT1zR0DW5YrltQ1HX7rxrPoujXen2cEGnQ3bS3No87MzyyrtAEiADEY/X146mqq6baJq0mprFi8lgS3eTceY1ZmUYzjguxzjPNAHGaJ4s1yTU/Cv9rPYT2viezeeOO2tnie0cQrKAWMjBxgsDwvIB9q72sqLw1pMLaQ0dptOixmKw/eP+5Ux+WR1+b5Rj5s/nWrQwVyvqF7Hpum3N9cBjFbRNK4QZYhRk4H4Vx1/BBaaLFr3ib7Xcm5lVrj7PqDqlpG/CKiowDhflBxknLNz0ruCAQQRkHqDXMRaRrOmKlpp8Gm3tjbSmSyN7PIJLcEEBR8jfdywBznbgdqEDILCyt7ebQNQskubY3tyytG2oSTq0Rgmdc5Yqc7UbjOD0J6nr65ux0rVReaetzaaXY2VjM86x2UjsWZkdcYKKAP3jHPt710lDBHx38dv+S1a7/wBu/wD6Tx0UfHb/AJLVrv8A27/+k8dFQaH2JRRRVEBRRRQAUUUUAFFFFABRVPUtWsNHt/P1O7itoycKZGwWPoB1J9hTdM1nTtZhMul3kNyq43BG+ZM9Ny9V6HrQIvUUVVn1CG3lMbByw67R0oGWqKo/2tB/ck/If40f2tB/ck/If40AXqKo/wBrQf3JPyH+NH9rQf3JPyH+NAF6iqP9rQf3JPyH+NH9rQf3JPyH+NAF6iqP9rQf3JPyH+NH9rQf3JPyH+NAF6iqP9rQf3JPyH+NPh1GGaURqHBPTcKALdFFFABRRRQAUVR1fVYdH09rqcFudqIP42PQZ7dOtcFc+LtYuJCy3IgUnISJAAPxPP61cYORxYjGUsO7S1fkel0Vwmj+NbmO4WLVyJYWPMoQBk/AcEfhnn8K7ulKLjuaUMRTxEbwPjv47f8AJatd/wC3f/0njoo+O3/Jatd/7d//AEnjoqDsPsSuR1BNQs9P8T3Ntqdwi20JeFvOSVvMWNpG+UgiNcOi7QAcJu/iyeuoqjM5jU9QtIvFttAutNDcphpbdrgBQhVgqLH/AByMxBHBIC9RlQy+Ebv7VNqHk3731mDGYZTMZgcg5JcgbXOAWjxhMjHDYHTUUBYKKKKQwoqvp9jb6XpttYWSeXbWsKQwpuJ2ooCqMnk8AdasUAcrJcJb+JtUvbq5EMlrLbxhprVpFS1ZMnaRjbuk8zLkkDYMjgU0XVteeI9K1C0uY55prua3WSKFo99sIWYrk/6xRIEO8fLlsDGTna1PQ7XVHWV2ntrpF2JdWspjlVc5xkdRkdDke1Jpmg2mlzNcK891eOnlvd3cplkK5J25PCjJ6KAOlMmxp1haj/x/yfh/IVu1RudNFxOZBLt3YyNuaQzHorT/ALH/AOm//jn/ANej+x/+m/8A45/9egDMorT/ALH/AOm//jn/ANej+x/+m/8A45/9egDMorT/ALH/AOm//jn/ANej+x/+m/8A45/9egDMorT/ALH/AOm//jn/ANej+x/+m/8A45/9egDMqey/4/Yv96rn9j/9N/8Axz/69SQaYIZ1kMu7bzjbigC/RRRQMKKjgghtbaK3tYkhghQJHFGoVUUDAUAcAAcYqSgDjPiAf+Qf/wBtP/Zaz5dK0ZdEspzqDp5oJkmW2L/P3Q/MAMemMnrnBrr9f0dda00w7gkyHdE5HQ+h9j/npXn9xoGrW0xiewnfHeNC6n8RW8GmrXPn8bTlCtKfJzKVu+n3DdQi02G2gTT7lrmXe5lkaIx8YXaMEn0bn3r0jRCx0Gx3dfs6f+giuH0fwlfX1wrXkT2tsrfOZBtZvYA8/j0+vSvRERY0VEUKqjCqBgAelKo1sb5dSmnKpJWTPj347f8AJatd/wC3f/0njoo+O3/Jatd/7d//AEnjorA9w+gP+F9fDb/oZP8AyRuf/jdH/C+vht/0Mn/kjc//ABuvjOii5Nj7M/4X18Nv+hk/8kbn/wCN0f8AC+vht/0Mn/kjc/8AxuvjOii4WPsz/hfXw2/6GT/yRuf/AI3R/wAL6+G3/Qyf+SNz/wDG6+M6KLhY+zP+F9fDb/oZP/JG5/8AjdH/AAvr4bf9DJ/5I3P/AMbr4zoouFj7M/4X18Nv+hk/8kbn/wCN0f8AC+vht/0Mn/kjc/8AxuvjOii4WPsz/hfXw2/6GT/yRuf/AI3R/wAL6+G3/Qyf+SNz/wDG6+M6KLhY+zP+F9fDb/oZP/JG5/8AjdH/AAvr4bf9DJ/5I3P/AMbr4zoouFj7M/4X18Nv+hk/8kbn/wCN0f8AC+vht/0Mn/kjc/8AxuvjOii4WPsz/hfXw2/6GT/yRuf/AI3R/wAL6+G3/Qyf+SNz/wDG6+M6KLhY+zP+F9fDb/oZP/JG5/8AjdH/AAvr4bf9DJ/5I3P/AMbr4zoouFj7M/4X18Nv+hk/8kbn/wCN0f8AC+vht/0Mn/kjc/8AxuvjOii4WPsz/hfXw2/6GT/yRuf/AI3R/wAL6+G3/Qyf+SNz/wDG6+M6KLhY+zP+F9fDb/oZP/JG5/8AjdH/AAvr4bf9DJ/5I3P/AMbr4zoouFj7M/4X18Nv+hk/8kbn/wCN0f8AC+vht/0Mn/kjc/8AxuvjOii4WPsz/hfXw2/6GT/yRuf/AI3R/wAL6+G3/Qyf+SNz/wDG6+M6KLhY7r4r6/pvif4natq+h3P2qwufJ8qbYybtsKKeGAI5UjkdqK4yL/ViikUf/9k=)

**Program No:10 Date:31-09-2022**

**Aim**:Develop an application that uses ArrayAdapter with ListView.

**Program Code:**

**Activity\_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"

tools:context=".MainActivity"

tools:showIn="@layout/activity\_main">

<ListView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:id="@+id/l"/>

</LinearLayout>

**MainActivity.java**

package com.example.myapplication10;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.ListView;

public class MainActivity extends AppCompatActivity {

ListView l;

String[] p={"A.P.J Abdul Kalam","Sachin Tendulkar"," Cristiano Ronaldo"};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

l=findViewById(R.id.*l*);

ArrayAdapter <String>adapter=new ArrayAdapter<String>(this, android.R.layout.*simple\_list\_item\_1*,p);

l.setAdapter(adapter);

l.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override

public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {

if(i==0)

{

Intent s=new Intent(MainActivity.this,MainActivity2.class);

startActivity(s);

}

else if (i==1)

{

Intent s=new Intent(MainActivity.this,MainActivity3.class);

startActivity(s);

}

else if (i==2)

{

Intent s=new Intent(MainActivity.this,MainActivity4.class);

startActivity(s);

}

}

});

}

}

**Activity\_main2.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity2">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="Born on 15th October 1931 at Rameswaram in Tamil Nadu, Dr.Avul Pakir Jainulabdeen Abdul Kalam specialized in Aeronautical Engineering from Madras Institute of Technology."/>

</androidx.constraintlayout.widget.ConstraintLayout>

**Activity\_main3.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity3">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="Sachin Tendulkar was the most complete batter of his time, the most prolific run-maker of all time, and arguably the biggest cricket icon the game has ever known."/>

</androidx.constraintlayout.widget.ConstraintLayout>

**Activity\_main4.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity4">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="In February 2021, Ronaldo became the first person in the world to reach 500 million followers across Facebook, Instagram and Twitter."/>

</androidx.constraintlayout.widget.ConstraintLayout>

**OUTPUT**

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDiRXhpZgAATU0AKgAAAAgABAE7AAIAAAAIAAAISodpAAQAAAABAAAIUpydAAEAAAAQAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHZhaXNodXMAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzEzAACSkgACAAAAAzEzAADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIyOjExOjAyIDE4OjAxOjU0ADIwMjI6MTE6MDIgMTg6MDE6NTQAAAB2AGEAaQBzAGgAdQBzAAAA/+ELGmh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjItMTEtMDJUMTg6MDE6NTQuMTI1PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPnZhaXNodXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgB6AD5AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+dyeat2GnXWo3EcNtGzvK4RABksScAAdzSWMIkvVMiLJHGQzoxIDD0OMHn2Ir0WXxDpEOsCTTpbtbOSCWCdRp8MBZJTIGGyNwhKLIShPUgDCqAB7uXZY8Qva1F7vTz/4BrCF9WcqfCOoW8F1PNYXTw2axm4mEZMcYkx5ZLDjDBgVOcMCCMiqi2MLMFWIkk4ABPNdTLrWmwDW7ey+1ywXmmQWVtJNGquWSW3dmdQxCg+U+AC2MqPU1h2N01jqFvdoCzQSrIAHZMlSD95SCOnUEEdjX1dHA4dQadKP3eS736m6irbGnqnw48Q6LosOrap4fvbWyl3fvJI2HlYYL+8HWPJIxuxntms7R/DT65ffZrRI0CrvlmlcrHCm4LuY+mWAAAJJIABJAPpfiX4qaRqmia62maVfRap4nWNdQWa93RWvkkBPLwoL7lzkHAB45HFcX4T1q10u7ki1LzFtpnjcyRFgVZGyN20hthBZTtII3BhkoFOFLDRlRlKpQipf4V/wdtfW1+oktNUVPEfga78Mun2+OOSGRiiTR71+cKrFWRwsiMA6nDqpIIIyCDWH9jg/ufqa73xz43l8QW/9nNcLfrG8WL7c7NJHEJPKUlkQsw8+QM5UbsJwMEtxNdGHwdGVNOrSjf0X+Q1FW1RB9jg/55/qaPscH/PP9TU9Fb/UcL/z6j9y/wAh8sexB9jg/wCef6mj7HB/zz/U1PRR9Rwv/PqP3L/IOWPYg+xwf88/1NH2OD/nn+pqeij6jhf+fUfuX+QcsexB9jg/55/qaPscH/PP9TU9FH1HC/8APqP3L/IOWPYg+xwf88/1NH2OD/nn+pqeij6jhf8An1H7l/kHLHsQfY4P+ef6mj7HB/zz/U1PRR9Rwv8Az6j9y/yDlj2IPscH/PP9TR9jg/55/qanoo+o4X/n1H7l/kHLHsQfY4P+ef6mj7HB/wA8/wBTU9FH1HC/8+o/cv8AIOWPYg+xwf8APP8AU0fY7f8A55/qanoo+o4X/n1H7l/kHLHsXNA8IX3inVV03QNNkvbplL7EbAVR1ZmJAUcgZJHJA6kVteJPhD4m8J6X/aWtaMY7JSqvNFOsgjLdAwViRzxkjGSBnkZx9F1i98P61a6rpUzQ3drIJI3B/MH1BGQR3BIrufid8W7rx/HaWNtbtp+lwqkksJbc0s2PmJP91SSFHf7x5IC8NXB2xEVTow5Hv7quv66EuOui0PObHwtd6y1yNKgklNrbyXU5GCsUSDLMSeg/HkkAckCsufRtRt9NGoyWk32Bpvs4uwh8oy7d2zd03Y5x1xXqT+I/CWn2cVtoEusxwR6fcxSwz2cQ+1XUsEsQmdxLwAJAAuDtAbHLMTsfDnx/4P0X4c6p4W8Z6fdX0F/dvK8ccKujIUjA53AhgUyCOQcEHPTzMflsalN1KFKz00Xzvp/kRKF1dI8HoqWeEwTsh6dQfUUzFfK1ISpzcJLVGGzsdHo9uosjI6qxkYkEjt0/oav+VH/zzX/vmq2l/wDINi/H+Zra0vRb/Wftn9mwed9itXvLj51XZEmNzckZxkcDJ9q/XMtjTpYCk3ouVP71f8z26SiqcfQzvKj/AOea/wDfNHlR/wDPNf8AvmtS20DVLzQb3Wre0ZtOsWRLi4LAKjMQABk5Y5I6ZxkZxms6vQi4SbUbO2/kaWixnlR/881/75o8qP8A55r/AN81oW+jahd6Pearb2zPY2LRrcTAjEZckL7nJHbpxnqKpULkk2lbQdojPKj/AOea/wDfNHlR/wDPNf8Avmn1q6t4Z1bQpLuPVbUQPZzRwTr5yMUeRC6D5Sc5VScjjjHWk3Ti1F2u/wCv1X3i91aGP5Uf/PNf++aPKj/55r/3zT6khtp7hZWghklWFPMlKIWEaZA3NjoMkDJ7kVTUVuOyIPKj/wCea/8AfNHlR/8APNf++at3ljcafKkd2gR5IY5lAcN8jqHU8E4yrA46jPNV6EotXQWQzyo/+ea/980eVH/zzX/vmtKz0LVdQ0+e/s9PuJbO2DGa5WM+XHtGSC/QHBHGc8irVt4R1278Pya3b6dI+nxq7mXcoLIhAd1TO5lUkZYAgc5IwazlUox+Jpa26b9vUXuIw/Kj/wCea/8AfNHlR/8APNf++afRWvKuw+VDPKj/AOea/wDfNHlR/wDPNf8Avmn0Ucq7ByoZ5Uf/ADzX/vmjyo/+ea/980+ijlXYOVDPKj/55r/3zR5Uf/PNf++afRRyrsHKhnlR/wDPNf8Avmjyo/8Anmv/AHzT6KOVdg5UM8qP/nmv/fNHlR/881/75p9FHKuwcqGeVH/zzX/vmjyo/wDnmv8A3zT6KOVdg5UM8qP/AJ5r/wB80eVH/wA81/75p9FHKuwcqMXXrdRHFKiquCVOB1zyP5GsWui1z/jxT/roP5Guer8v4jhGGYSt1S/I8jFJKq7HUaX/AMg2L8f5mu18Ca//AMI1darqSyKJY7SIpEZNhnxd25aMeu5A4I5+Xd2zXFaX/wAg2L8f5mrdffYOlGtl9KEtnGP5I9KnFSpRT7I9fvNV0Lw/4B8ReH/D2qWV0lq1rdW8jurtdyvdB/ut8smyFIAwC4BD5Fc98S00exj0620KIImp7tal3RRq0SzgeXCNoyoQK3y5x84NcHFI0MySxkB0YMpIB5HsasalqV5rGpTX+pTtcXU7bpJG79gABwAAAABwAABwKmjl3saqmpX1bd+raS/RvyYRpcsr3PS9E1Hw5p/h3R/C93rPlrqtpM2oGKJZ7ZZbjaImkZpB5bxeXET8pwQeRkmq9gn2LwpYx3cmixaXLot412khtTcXE4kuViKZ/eMQ3l7WXj5Tg9a8yqe4vbi6htYriTelpEYYRgDYhdnxx1+Z2PPrRLLu0t3d3X+LVeeul9rLsHsvM9J1D7PbeGb231V9JGmP4fs5rO3g+yrdC9aODDEDEuTlyScgoTz2rU8Taj4YvvHF3d3d1p13bv4j09mkV45N9uLch+ecxhsBu3415Fd3txfzLNdyeZIsUcIOAMJGgRBx6KoH4VBUxyzZylZ2e3ny/j7u/UXsfP8ArT/I9JsZZZfEGnv4jv8Aw19ot4bqSBrU2mZSsaiON5FBgXkfuy4O05yPuitvUtR06HWNQXQrnRYbjUPDETXG+4tHR70TrvVpCBGX25JAwGIDY6Y8bopzy2MpKTlstrab327eX4jdJN3PTbK60+3iu5fD8+iRa2ulaZ9lkumhVR+6AuQpk/dCXJXO75sb8c5rbbVPC2m35OjSaEqTeKLeGc+VEyi1aBRcFPMBKwl943DAAPBwa8XopTyuM3dzf9W/yuuzb7idFPqd9Z3+n2eu+PLW3vIItOazvksI1mHlMWnj2iPnBJVB06hR6VJo0tktnoury3mn/Z9P0W+tLm1kukWYyN9p2qIydzB/OTkAjrnGK89oreWBTi1zb/8AyPK/zv6lez03CiiivRNQooooAKKKKACiiigAooooAKKKKACiiigAooooAzdc/wCPFf8AroP5GsDFb+uf8eK/9dB/I1gc1+YcS/8AIwfojyMX/FPoP4afBiz8WfDvTNam1W4t3uvNzGkakLtldOp/3a6n/hnXT/8AoOXX/fla6X4Df8kS0D/t4/8ASmWu/nuIbW3knupUhhiUtJJIwVUUdSSeAK4Kec4+nBQhUaS0Wi2XyM1iKqVkzxv/AIZ10/8A6Dl1/wB+Vo/4Z10//oOXX/fla9gvr+z0uykvNTu4LO1jxvnuJBGi5IAyxwBkkD8aLG/s9Ts47zTbqC8tpM7J7eQSI+Dg4YcHkEfhV/27mX/P1/cv8h/WKvc8f/4Z10//AKDl1/35Wj/hnXT/APoOXX/fla9g+32f9m/2j9rg+w+T5/2nzB5Xl43b93TbjnPTHNTGWMTLEXUSMpZUJ5IGASB6DI/MUf27mX/P1/cv8g+sVe54z/wzrp//AEHLr/vytH/DOun/APQcuv8AvytezNIiOiM6qz52qTy2OuPWkM0SzrC0iCV1LrGWG5lBAJA9BuXP1HrR/buZf8/X9y/yD6xV7njX/DOun/8AQcuv+/K0f8M66f8A9By6/wC/K17CL60PlYuoT50rQx/vB88i7tyD1YbHyOo2t6GnyXEMMkSTSxxvO+yJWYAyNtLbVHc7VY4HYE9qP7dzL/n6/uX+QfWKvc8b/wCGddP/AOg5df8AflaP+GddP/6Dl1/35WvaKKP7dzL/AJ+v7l/kH1ir3PF/+GddP/6Dl1/35Wj/AIZ10/8A6Dl1/wB+Vr2iij+3cy/5+v7l/kH1ir3PF/8AhnXT/wDoOXX/AH5Wj/hnXT/+g5df9+Vr2iij+3cy/wCfr+5f5B9Yq9zxf/hnXT/+g5df9+Vo/wCGddP/AOg5df8Afla9ooo/t3Mv+fr+5f5B9Yq9zxf/AIZ10/8A6Dl1/wB+Vo/4Z10//oOXX/fla9ooo/t3Mv8An6/uX+QfWKvc8X/4Z10//oOXX/flaP8AhnXT/wDoOXX/AH5WvaKKP7dzL/n6/uX+QfWKvc8X/wCGddP/AOg5df8AflaP+GddP/6Dl1/35WvaKKP7dzL/AJ+v7l/kH1ir3PF/+GddP/6Dl1/35Wj/AIZ10/8A6Dl1/wB+Vr2iij+3cy/5+v7l/kH1ir3PF/8AhnXT/wDoOXX/AH5Wj/hnXT/+g5df9+Vr2iij+3cy/wCfr+5f5B9Yq9zxf/hnXT/+g5df9+Vo/wCGddP/AOg5df8Afla9ooo/t3Mv+fr+5f5B9Yq9z5X+MnwptfAvg211O31Ka6aW/S3KSRhQAY5Gzx/ufrXidfVv7UP/ACTDT/8AsMRf+iZq+Uq87EYmtiZ+0rSuzKU5Td5H2j8Bv+SJaB/28f8ApRLXT+JtIfxBHaaXNbxTadJN516J13RuqcpHgMGyZNjemI2B6gNzHwG/5IloH/bx/wClMteh1zEHJ3lnrd/4VtdOubeWS/tbyxaS7kMQW4EN4heXaG4JSLzSvYOFBJBAuxw3eh3l1JZ6deao2oXonu5RLCmz9xsBRSRkL5MS4OD8+ctg1v0UAcjZ6Lqa/D7w1oMsHlOkFpBqOXVhEkUQZ1IziRWaMRMAeVkJ6Cs3UtA15NEtLSzt7pr3TrK7tLG5s73ylVt0YtpJMyAuNqAuCGBKt8pBGfQKKAPP9S0fxDNDqzQwai2qNHqAtrtb8CHDqwthGnmDy2CmNd2xfmRiTzubV0ez1iXxrd6nqFrcQWZa4W3W4mRyiNFZgABWbaC8Uxx9ScFuerooA4nStC1vSdel1JokvluJb5I4JHVDZK0zyxsjc/LIfvnBbJi4wjVn2OleKYpLGWWxuJzY3n2qNLq5AyfsNxGRueedgN7RKfmPJLbT8xPo1FAHAaboPiCeCztdTbUo7b+0xJcFb+SJ/I+xuv3hcyPjztnAk5POMZNaPgnSNZ0tgdZkvH83SbHzvtV81xi8HnfaMbnbb1j+7hTxjpXXUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAeMftQ/wDJMNP/AOwxF/6Jmr5S5r6t/ah/5Jhp/wD2GIv/AETNXynzTA+zPgPErfBPQSS//Lx0cj/l4l969D8hPWT/AL+N/jXn/wABf+SI6B/28f8ApTLXc32oR2LQIYpZ5rhykUUSgsxALHkkAAAE5JA6DqQCgJ/IT1k/7+N/jR5Cesn/AH8b/Gqltrul3UtrDFfQi4vIBcQW0jbJnjIzu8tsN9cjjBzVS98XaHY+S0uo2zQyXj2Ms6ToY7aVInlZZW3YTAjIx1yV45zQBreQnrJ/38b/ABo8hPWT/v43+NVLzXdJ0+Bp9Q1OztIQwTzZ7hEXcV3AZJ67efpzUl/qCafam4eKWWIDLNFtO0fiR69qAJ/IT1k/7+N/jR5Cesn/AH8b/Gqj61p8EjQ3t5b2dwlu11JbzzosiQqcGQjPCDH3ulB13SFtZrltUshBbz/Z5pTcJtjlyB5bHOA2SBtPOSKALfkJ6yf9/G/xo8hPWT/v43+NUdG1+w1zSLTULOZRHcxxOI3dd8ZkjWRUYAnDbXU49CD0qt4f8Wab4is0uLUvbiV4kjS52q0jSWyXIVQCckRyZI/2W7DNAGv5Cesn/fxv8aPIT1k/7+N/jVWDXNJubKG8ttUsprWeQRQzx3CMkjltoVWBwTu4wO/FXqAI/IT1k/7+N/jR5Cesn/fxv8akooAj8hPWT/v43+NHkJ6yf9/G/wAakooAj8hPWT/v43+NHkJ6yf8Afxv8akooAj8hPWT/AL+N/jR5Cesn/fxv8akooAj8hPWT/v43+NHkJ6yf9/G/xqSigCPyE9ZP+/jf40eQnrJ/38b/ABqSigCPyE9ZP+/jf40eQnrJ/wB/G/xqSigCPyE9ZP8Av43+NHkJ6yf9/G/xqSigCPyE9ZP+/jf40eQnrJ/38b/GpKKAPFv2nolT4Y6eQW/5C8XVyf8AljN618qV9W/tQ/8AJMNP/wCwxF/6Jmr5TpgfZ/wF/wCSI6B/28f+lEtdd4g0uTU7eERwWt15LlxDcs0fzEFQ6SqC0Trk4ZQTyRxkMOR+AxA+CWgZP/Px/wClEteh5HqKQHHWvhDU7fUdNkuL+O9Fk8UrXLySRySFYFhcMgJV2OC4kkLsM7P9upbHwtew3GhNONNjXR3jQNbxMHnijtriFST/AAjM4Ij5CfP87buOsyPUUZHqKAOO0TwbeaXa+HopbmBzpUkLylc/OEsHtjjj+8wPPb3rU0/QZ7TwBYaC8sbT21hDatIM7SyIqkjvjit3I9RRkeooA4rXPAs2qXGusjwv/aayywySzSr9mlazFqB5YOxuMkuecMV2ngjZn0OdNWS/sltW8u4WRYJQQuPK8pmBAO1wvQ4OVyvG7I3Mj1FGR6igDjPDfg/UdAtbGy8+1kgjNrNcSZbcZIrWO3KIuMbT5StuJz1G3nIz9H+HGoaVpk0SX9qbm5slsJWlh8+JYvsUMBZY3GN3mQBiPuumFcEhSnoeR6ijI9RQBy+heF7iw1Ca8u/L3S6i18ENzJcmMm1SEgSSAMeVJ7YDYHArqaTI9RRkeooAWikyPUUZHqKAFopMj1FGR6igBaKTI9RRkeooAWikyPUUZHqKAFopMj1FGR6igBaKTI9RRkeooAWikyPUUZHqKAFopMj1FGR6igBaKTI9RRkeooA8Z/ah/wCSYaf/ANhiL/0TNXylX1b+1AQfhhp/P/MYi/8ARM1fKdMZ9ofAb/kiWg/9vH/pTLXodeefAb/kiOgf9vH/AKUy12+r6lDouiX2qXSu0FjbyXEixgFiqKWIAJAzgetIRcorEi1jUbTzm8Q6ZFaRr5KwyWVw92JndipTb5asCDt5xjDA5GDh1n4nsrqTycl5/OljMdvHJLtCXDQbm+QY+ZeeMDDHJVS1AGzRXPWPi6C8mjRrd4973qhFV5JD9nuVgJCqhyCWBOSCuRwRuK2JfFmkQWZupJ5BCi3DSOIHIjEEgjmLYHAVjg+oBIyATQBs0Vn2uu2F7dC3tpHZi80asYmCM8T7JFDEYyGyMd8NjIU45iy+I8M2s3Ftdx6bFbW9zdwzGHUvNuLZLcyZmmh8seXGfK+9uPLoP4qAO3orJPibTRNFAzzpcTSiKOB7aRZGYxNKvykZwUjfnplWUncpALXxNpd6NPa3llaPUtv2SRreRVm3QmYYJUf8s1Y+2MHB4oA1qK5nT/GMF/HpIRP3t08cd38jbLdmtGucbiMH5Qv4MO9a2na3ZarK0Vo8nmLBFclJYXjby5N2xsMB12Nx1GDkCgDQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxj9qH/kmGn/9hiL/ANEzV8p/hX1Z+1D/AMkw0/8A7DEX/omavlOmM+z/AIC/8kR0D/t4/wDSmWu9vrK31LTrmxvo/NtrqJoZoySN6MCGGRzyCa8++A0yr8EtBBD5/wBI6IT/AMvMvtXonnp6Sf8Aftv8KQjLtNAaHcb3WNR1KQyROHumjGzyySAFjRVHJOTjceATgDFGbwLYTS2rG8vAtvfPfCM+W6tI1w8+RvQ7MNI43R7WKkAscAjovPT0k/79t/hR56ekn/ftv8KAOZn+H+n3CSrLfXzBpLmSMExYhM9xHcMANmGAkiBAfdwzBtwwBMngmxHh+bSZbu8mjnt723lmYxiRhdPvlb5UCg7umFwPQ10Hnp6Sf9+2/wAKPPT0k/79t/hQBlWPhqCw1VruO8u5IRJNNFZSMhhgklYvI64XcWJZ+WY4DsBgHFQS+DNKuLMWs/nvEZbxpB5m0ypdGRpomIAOwtICAMHMcZySvO556ekn/ftv8KPPT0k/79t/hQBi2/hSGPULbUL3ULy/vrecTLc3AiVmAiliWMiNFG0CeVhwDubrjiqWl/D7TtI1HTrq1vr4rp6x+XC5iKu0dsbZWZvL3/6sn5QwXOTtyTnp/PT0k/79t/hR56ekn/ftv8KAOfs/BNhY3VvJDd3Zt4Qpa0cxtFNItv8AZxI/ybs+UAuAwXjO3Oc3tF8Ppo0k0zX97qE8sUcHnXrqzrFHuKJlVXOC7nc2WO7ljgY0vPT0k/79t/hR56ekn/ftv8KAJKKj89PST/v23+FHnp6Sf9+2/wAKAJKKj89PST/v23+FHnp6Sf8Aftv8KAJKKj89PST/AL9t/hR56ekn/ftv8KAJKKj89PST/v23+FHnp6Sf9+2/woAkoqPz09JP+/bf4UeenpJ/37b/AAoAkoqPz09JP+/bf4UeenpJ/wB+2/woAkoqPz09JP8Av23+FHnp6Sf9+2/woAkoqPz09JP+/bf4UeenpJ/37b/CgCSio/PT0k/79t/hR56ekn/ftv8ACgDxz9qH/kmGn/8AYYi/9EzV8p5r6q/aekV/hjp4Ab/kLxdUI/5Yzeor5WpgfZ3wE/5IhoH/AG8f+lMteiV538BP+SIaB/28f+lMteiUgCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA8Y/ah/5Jhp//AGGIv/RM1fKlfVf7UP8AyTDT/wDsMRf+iZq+VKYH2d8BP+SIaB/28f8ApTLXoled/AT/AJIhoH/bx/6Uy16JSAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxj9qH/kmGn/APYYi/8ARM1fKmK+q/2of+SYaf8A9hiL/wBEzV8qZpgfZ3wE/wCSIaB/28f+lMteiV538BP+SIaB/wBvH/pTLXolIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPGP2of8Akl+n/wDYYi/9EzV8qYr6r/ah/wCSX6f/ANhiL/0TNXyn+FMZ9n/AT/kiGgf9vH/pTLXoled/AT/kiGgf9vH/AKUy16JSEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB4x+1D/yTDT/+wxF/6Jmr5SzX1b+1F/yTDT/+wxF/6Jmr5RpjPtH4C/8AJEdA/wC3j/0plr0SvO/gJ/yRDQP+3j/0plr0SkIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxf9qL/AJJfp3/YYi/9EzV8o19XftRf8kv07/sMRf8AomavlGgaPtL4Cf8AJENA/wC3j/0plr0SvO/gJ/yRDQP+3j/0plr0SgQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHjH7UX/ACS/T/8AsMRf+iZq+UK+r/2ov+SX6f8A9hiL/wBEzV8oUDR9pfAT/kiGgf8Abx/6Uy16JXnfwE/5IhoH/bx/6Uy16JQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxj9qL/kl+n/8AYYi/9EzV8oV9X/tRf8kv0/8A7DEX/omavlCgaPtL4Cf8kQ0D/t4/9KZa9Erzv4Cf8kQ0D/t5/wDSmWvRKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAeMftRf8kv0//sMRf+iZq+UK+rv2ov8Akl+n/wDYYi/9EzV8o0DR9pfAT/kiGgf9vH/pTLXoled/AT/kiGgf9vH/AKUy16JQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxj9qL/kl+n/9hiL/ANEzV8oV9XftRf8AJL9P/wCwxF/6Jmr5RoGj7S+An/JENA/7eP8A0plr0SvO/gJ/yRDQP+3j/wBKZa9EoEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB4v+1F/yS/T/APsMRf8AomavlGvq79qL/kl+n/8AYYi/9EzV8o0DR9pfAT/kiGgf9vH/AKUy16JXnfwE/wCSIaB/28f+lMteiUCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA8X/aj/AOSX6d/2GIv/AETNXyjX1d+1H/yS/Tv+wxF/6Jmr5RzQM+0vgJ/yRDQP+3j/ANKZa9Erzv4Cf8kQ0D/t4/8ASmWvRKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAeL/tR/8kv0/wD7DEX/AKJmr5Qr6v8A2o/+SX6f/wBhiL/0TNXyjQM+0vgJ/wAkQ0D/ALeP/SmWvRK87+An/JENA/7eP/SmWvRKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAeL/tR/8AJL9P/wCwxF/6Jmr5QxX1f+1H/wAkv0//ALDEX/omavlCgZ9p/AT/AJIhoH/bx/6Uy16JXnfwE/5IhoH/AG8f+lMteiUCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA8X/aj/wCSX6f/ANhiL/0TNXyhX1f+1H/yS/T/APsMRf8AomavlCgZ9p/AT/kiGgf9vH/pTLXoled/AT/kiGgf9vH/AKUy16JQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxf8Aaj/5Jfp//YYi/wDRM1fJ9fWH7Uf/ACS/T/8AsMRf+iZq+T6Bn2p8BP8AkiGgf9vH/pTLXoledfAT/kiGgf8Abx/6Uy16LQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxf9qP/AJJfp3/YYi/9EzV8n19X/tSf8kv07/sMRf8AomavlCgZ9p/AT/kiGgf9vH/pTLXotedfAT/kiGgf9vH/AKUy16LQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxb9qT/kl+nf9hiL/ANEzV8n19YftSf8AJL9O/wCwxF/6Jmr5PoGfanwE/wCSIaB/28f+lMtei1518BP+SH6B/wBvH/pTLXotAgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPFv2pP8Akl+nf9hiL/0TNXyfX1h+1J/yS/Tv+wxF/wCiZq+T6Bn2p8BP+SH6B/28f+lMtei1518A/wDkh+gf9vH/AKUy16LQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxb9qX/kl+nf9hmL/ANEzV8n19YftS/8AJL9O/wCwzF/6Jmr5PoGfanwD/wCSH6B/28f+lMtei1518A/+SH6B/wBvH/pTLXotAgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPFv2pP8Akl2nf9hiL/0TNXyfX1h+1J/yS/Tv+wxF/wCiZq+T6Bn2p8A/+SH6B/28f+lMtei1518A/wDkh+gf9vH/AKUy16LQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDxb9qT/kl2nf9hiL/ANEzV8n19YftSf8AJL9O/wCwxF/6Jmr5PoGfQXw0/aA8K+CPh3pnh7VbDWJruz83zHtoYmjO+V3GC0gPRh2611X/AA1X4I/6BXiD/wAB4P8A49RRQIP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooAP+Gq/BH/QK8Qf+A8H/AMeo/wCGq/BH/QK8Qf8AgPB/8eoooA8/+Mvxr8OfEfwda6RodlqkFxDfpdM15FGqFRHIpAKyMc5cdvWvEs0UUDR//9k=)

![A picture containing background pattern

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDiRXhpZgAATU0AKgAAAAgABAE7AAIAAAAIAAAISodpAAQAAAABAAAIUpydAAEAAAAQAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHZhaXNodXMAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzc4AACSkgACAAAAAzc4AADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIyOjExOjAyIDE4OjAyOjU5ADIwMjI6MTE6MDIgMTg6MDI6NTkAAAB2AGEAaQBzAGgAdQBzAAAA/+ELGmh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjItMTEtMDJUMTg6MDI6NTkuNzgzPC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPnZhaXNodXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgB7ADyAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+eFDOwVAST0ArasfC+o3lkbuO3llhVgh8ldxySo+v3nQZxjLqM5YZ1/C9xpem6RepqcTfapBuiKWcc3mZjdfLZnIMYywO5ATnnBKoV2DrmmXOmoL291I30EAs4pVt1IMRnEpkZjLkuu6RQo4OE+YcivrMDlEYxU68bt201sjeNPqzlbvQm05o0vLdkMib42LZDrkrkEHB+ZWBx0KkdQRWl4c8C6t4svPs3h/SZrxgcO65EcfBI3OflXODjJGegq34pvdJvLq1TQJrxrG1h8iCK7tkiaJNzNgssj72LOzFvlGWOFVcKNvwV4w0jTfDupeGPE1rfNpWqTRzS3VjclZYTH8wCxtlDllUE8HHXOFx7NTC0lQ5qdGLf8AhX5aXsul9TTlVtEcTfaJLpd49pqdhPZ3MeN8NwjRuuRkZU8jIIP410WnfC/U9T0tbq3S3WV/L8u1d3DsJMeXlseXGX3AqrurNxtB3LlPHni4+N/Fs+tmzNkJURFgM5l2hVA+8QOvXAAH45J6iz8f2tvoN68V1LHLfqYdQsHkcCeN0CSCIBWjBzl0c7Sm4oVkUDOdTCx9lFxoxUnurJ2fb+vvBx02PLmsYUcq8RVgcEEkEGk+xwf88/1Naer6lLrOt32p3Kok17cSXEixghQzsWIGe2TVOu5YLDW1pR+5f5FcsexB9jg/55/qaPscH/PP9TU9FP6jhf8An1H7l/kHLHsQfY4P+ef6mj7HB/zz/U1PRR9Rwv8Az6j9y/yDlj2IPscH/PP9TR9jg/55/qanoo+o4X/n1H7l/kHLHsQfY4P+ef6mj7HB/wA8/wBTU9FH1HC/8+o/cv8AIOWPYg+xwf8APP8AU0fY4P8Ann+pqeij6jhf+fUfuX+QcsexB9jg/wCef6mj7HB/zz/U1PRR9Rwv/PqP3L/IOWPYg+xwf88/1NH2OD/nn+pqeij6jhf+fUfuX+QcsexB9jg/55/qaPscH/PP9TU9FH1HC/8APqP3L/IOWPYg+xwf88/1NH2K3/55/qanoo+o4X/n1H7l/kHLHsdbo3wV8Xa/pMepafoJ+yzR+ZC01wkRlGeCFZgcEcgkAEcg8iuV1fw3PomqXGmaraSWd7bPslic8qevuCCMEEcEEEcGvSfh58ZL7wN4Z1DSZLY36lTJpwkf5IJSfmDDrsOS2BjkEcbiw57QNc0WXXNR1rxrJqF5qEqvJbNDbxyp9oYHEkiuyhgpwQmMHoeBg+dHC2nU9rRhyra0dX/XUjl1d0cnfeDdZs7jToDZy+dqcSTWcBX95MjsVQgD+8QcZxngjgisO4t5rS6ltruGSCeFzHLFKpVkYHBUg8ggjGDXpp8U2Efi7wrqXn397Fo7xyXc9xEqzTsLyS4dgN7ZJEmMluTmrHxw8T+FvHGpWOseGLGe3vlR01CWaIIZ1G0RnAYglRuGeuMDJAGPDzDLJQanRhpZt9lb112Mpw6o8nopR0or50yOy8qP/nmv/fNHlR/881/75p9aN9oGqadPYQ3doyy6lbx3NoiMHaWOQ4QgKTycdDz7V+4Nwi0nbU+gtEy/Kj/55r/3zR5Uf/PNf++a0da0a/8AD2rzaXrEH2e8g2+ZFvV9u5Qw5UkdCD1qkqs7BUBZmOAAMkmiPJOKlGzTGlFq6I/Kj/55r/3zR5Uf/PNf++av6vpF9oWrT6bq1u1teW5AkiYg7cgEcgkHgg8etU6I8koqUbNMEovVDPKj/wCea/8AfNHlR/8APNf++a0rPRNQ1DTL3ULSAPaWLRLcymRV8syMVTgkE5IPTp3xVa9s59Pv7iyu08u4tpWilQMG2spwRkcHkdRSTpuTirXX9fqvvF7t7Fbyo/8Anmv/AHzR5Uf/ADzX/vmn1cXSL9knY2zxi3tlupPNwn7pioVwGxkEuuMZznPSm+SO9h2iUPKj/wCea/8AfNHlR/8APNf++afT4YZbmeOC3jeWWVgkcaKWZ2JwAAOpJ7VVooLIh8qP/nmv/fNHlR/881/75rZ/4RXXf7btdHbS7ldRugGitXTbIQc8kH7o4JOcYAyeOag1jRNR0C+W01a2MErRrKmGV1kRhkMrKSrA+oJGQR2NZKpRlJRTV3r027i91uxm+VH/AM81/wC+aPKj/wCea/8AfNPorXlXYfKhnlR/881/75o8qP8A55r/AN80+ijlXYOVDPKj/wCea/8AfNHlR/8APNf++afRRyrsHKhnlR/881/75o8qP/nmv/fNPoo5V2DlQzyo/wDnmv8A3zR5Uf8AzzX/AL5p9FHKuwcqGeVH/wA81/75o8qP/nmv/fNPoo5V2DlQzyo/+ea/980eVH/zzX/vmn0Ucq7ByoZ5Uf8AzzX/AL5pDDEQQY0IPUbRUlFHLF9A5V2OOkjMUrxtyUYqfwoqe7A+3T8f8tG/nRX4nWioVZRWybPn5KzaOqr1aPxBpL2dte319DJdeF7W0uNNiebcs7vYxL5QUYP7u4jjYgNxmTI615TRX7HicLHEWu7W/W1/vV18z3pQUj2+7vPDuuePvE0l9JBfWmlC21uCeBYpBOIIESSEyHOQ7Mg25Iyp6E8+d+A57BfGy61r1xDFBpyyagyEhGmkTlEjUFQW3lSFyBgHtWBDq19BpFxpcFw0dndSLJPEoA8wr93J6kA84zjIBxkCqdclHL/Z050ubRpRXola/k2RGlZNXPUY5dP8Q6xo+qWV/BqF8umX1pc/2nbwxM0sNtI0M0qM7qRgqN7Ej91yewepkurqa4S40GXXofD/AJs9z/ojW6z/AG5NuWx5XmeUVXd6kc968ys724sJmltJPLd4pIWOAcpIhRxz6qxH40W97cWsN1DBJsju4hDMMA70Dq4HPT5kU8elKWXu6tJWVrXXm216We3WyD2R6vdalog0fxHCbuwW8uodFa7WOWHy7i4Vt07RhDtYDOW28Z3GqbXVrFd33/CNTeG0jOvXpvF1L7MY5bXdGYQu4b2i+V+I8nPQZxXltFEcsjH7V/VabJbfK67P0BUUup6xov8Awj6/Dm5s7650udH0Oe4jLXFtG6XwZtieWR57SADh920g7QMEVT17UbbUree5vrnSZlfwxAtt5TW4dbgG28xdqfMrD5wFIGAGA4BrzOiqjlyjUdTm63/L/LUFS1vc9kurrw888sd1P4ebRYr/AE/+wkgaLzI4zIpl3gfvFHl7vM87jd74rH8Zatplz4WvJ7CfTU1Gw8UzR6e1isUUiWYVmRl8sAlN/IfnnvmvM6KmnlkYSUuZu3/AX49e7bfUFRSd7nos9/p9x4r0VBf2ipJ4XWxM7zDy4Zns3jCuwztwzAHPTPNc94qMNvpXh7TRJazXVlYyLcSW06TKC9xK6pvQkEhWB4J+9XN0V008Iqcou+3/AAf/AJJlKFmgoooruNAooooAKKKKACiiigAooooAKKKKACiiigAooooA5e7/AOP2f/ro386KLv8A4/Z/+ujfzor8TxP8efq/zPn5/Ez6gi/Z80qcMYfEM8mxtrbI0O0+h560/wD4Z10//oOXX/fla7+Tw5qEtu4zbq0hlKhrh5DbMyxqsqyMu6SRdjEE4I3bQwAqUeGX87zWW1Mim9kViMkSyyq8T5x95VXGeo4AyK9H+3cy/wCfr+5f5G31ir3PO/8AhnXT/wDoOXX/AH5Wkb9nfTUUs2vXKqBkkxLgD869Q1HSbm61mG6iaLYvk4dmIeDZIWfYMf8ALRSEbleBzu6Uvh/RpNGt44m8lVFpBG6xcBplDCR+gznK89Tt56Uf27mX/P1/cv8AIPrFXueURfAPRJ7ZLiHxPJJBIcJKixlW69DnB6H8qVfgDo7XCQJ4iuGkdXZQsSnIRgr89OCwGK9Nu9E1B9La3tJUSZpbp1kW5lhMfmyM6NlPvYyMqRgnuMcwzeFpGaUwx2iMEvGgkxhllldHjk+78rLtIyMkYUj0B/buZf8AP1/cv8g+sVe55zL+z/o8MipN4jmjdsbVZEBPIX19SB9SB3p8n7POmRKGl1+4RSwUFo0HJOAOvUkgfjXqGraTdXkt8LYwmPULNbOVpHKmEAyfOoAO/iU8Er90c88VJ/Dk05mMsFnNJ9rW4SaR23Sjzw+1xtwNqAop+bg4G0Egn9u5l/z9f3L/ACD6xV7nnT/s86YjIH166Bdtq/uV5OCf5A07/hnXT/8AoOXX/fla9HTRLpVxJa2M3I83fIQLw4ZS8g8vAYgg4GepGcAVSuvC2o3AkIuEBeyaBAJsLETAY9mfLLsm75uXHJztyOT+3cy/5+v7l/kH1ir3OAn+AGjWrRC58SSwmZxHGJERd7HooyeT7Uh+AWiq21vE0gOcYKp13BcdfUgfUgV6/qGn+fp0NraLHEsVxBIFxtULHKjkAAeinFZ50S7h1S4urSRBGEkWCCSU7SZZEklOQoZCSpwdz4LZAAG0n9u5l/z9f3L/ACD6xV7nlw+AuhNcRwL4oczSbgkYEe59pIbAzzgg59MGppf2etLhieWbxBcRxopZ3eNAFA6knPAr1K00m4ht9NWRo91rdyzyAMT8rrKAASMsR5gyxwWwSeTWfrfhu/1XVpZI5YI7eWGSJmLfNtaJlCkbCSA5DY3heM7d3zE/t3Mv+fr+5f5B9Yq9zzub9n7SLcE3HiOaIBS53oi/KOp5PQZGT71J/wAM66f/ANB26/78r/jXqlxpk86wfZ3SxKWckA8nkRM2zG3gZUbT/dPTp2zF8OXR1b7R5dpBAY4kMMbgjCvE23Hlg4ARgMsRzwFyRR/buZf8/X9y/wAg+sVe559/wzrp/wD0HLr/AL8rR/wzrp//AEHLr/vytd9N4VuhbNHZSQW+8TK4j+XzENwjxIflIKiMMmCCAGIAIJFPTwxK09qtxtkhW1e3mZphvVWEmVTbEuAN4AwVGB93Kg0f27mX/P1/cv8AIPrFXueff8M66f8A9By6/wC/K0f8M66f/wBBy6/78rXoc3h28ms7kSyLNPMAw8yclUZ3VpYxuRh5Y8tdoKnqQRilvPDtxNpMEKLbSTxhEZpCOUCYK5MbLywU4KEcDgEKQf27mX/P1/cv8g+sVe553/wzrp//AEHLr/vytJ/wzvpoYKdeudxBIHlLkgfj7ivQrDwtIojbVhbXczSRm4kbLmVFtljKkkZYeau/B44B61b1fRLjU5LLc0LxxIEnWQkiT99A54xyCsTjn1HqcH9u5l/z9f3L/IPrFXueYyfs86ZEheXX7hFHVmiQAfrTh+ztpxGRrt0R6iJf8a9bWydNJls12LkSLGBwqKSdo9gAQMdsVQbRblvEV1fkxiKVVUfONxA2ZB+TI5U8byOc4BJo/t3Mv+fr+5f5B9Yq9zzJv2d9NQZbXrkDIGTEvU8DvTLb9n3Sru1iubfX7p4ZkEkbeSo3KRkHn2r0dvDEkc1ubIW0CRylpAmV3KLuOVBwP4UVwB2LYHBJrZ0ezk0/Q7GzmKtJb20cTlDkEqoBx7cUf27mX/P1/cv8g+sVe55H/wAM66f/ANBy6/78rR/wzrp//Qcuv+/K17RRR/buZf8AP1/cv8g+sVe54v8A8M66f/0HLr/vytH/AAzrp/8A0HLr/vyte0UUf27mX/P1/cv8g+sVe58CeKdOXR/GGs6YkhkWyv57cOwwWCSMuf0oq58Qv+SneKP+wxd/+jnoryJScm5PdnO9T7Qe/wBTgMgkjkMseImcW7vG5CSNvAHQHCcDdydnX5hYW+vDdb5I3RUEhaEW7nCjZg7ujEgscAc5wOUbN21vvtN1ND9nmi8oKwd9u2QEkZGCT/CeoFZFv4vs5Ybh2aCQpceXDHb3COZEO7axYkKpIR22k5AHqQDAGtY3n2nzElG2aN3ym0qdnmOqNz6hM579elY+lLf20kUEX2oxOkHmvd+ZLtco7SYLnPaMddoJ6Z3CrEXiSCcloLC7d3aOJABGDKzRedtGXGNqHJ3YHUAk0ReKrObc6Qz/AGcKCtw2xUcmET7eWBHyHOWAHB5oAjuL7UZNaR7O1uBaALD5skR2qXUnfs3BmwxhGcfKBLyOafFrF9Ikc0ljNCk0UrCF7di8Tq0aKrYznJLtnj5cHgAmr0GqRzBQ8MsMhJDRvtJXlRyVJHO9TwTwfXiqtpr7XNqsrafPHK800KWwaMu5jcqcHcFHAJIz2OCeMgFO/h1G4srKKFLh3bUp/MX7TLb5i/fFd0iAsF+5jsflHelvJNWtNPFnGHmcwyKzIjuyZjlZQsnViCqLuOD3PLjE2peJBZ2N0yWzxzxWzunmlGUSiIyCNgrlgdoJ7Djg8jM1zqssfiJdPXKx+VFJlbSSbdvd1ILLwg+QctxyfSgCrPf6sLq122biTLRzARuUjzPAvGDtb92zMGP908LhlrR1OaRglvbCYTefAxKKwBTzQW+bp91WyM9wP4hmnb+KYrqCBotPvTLcLG8MB8vc6OrsrZ37QMRv1IPHTkVDB4vtpR5i29zJEyeflURfJiEUMjM2X5wJh90Z6gA4yQBj6rqstoskVnIZY4xIuYJE+cwSNtZc84YICuWwWxncARpy3tzBcCJ4mdSWAdYWOfmQL0z2c/8AfJPABxXbxTZrJPH5cm+FyijfGPMKvtbGX+XB/v7cjpmmTeKYYkWVrS5WEAl3xGwyIDMUGHznaOuCM8Z7gAZc3WpJHJBDHKwczgnyn3AHzipVh/uoB0xkddwwzUr3U5dLvYrZJW3Ws3lzRW8kbiQQoUUA85LM/PYrt+9U03iqC3huWl0+9Wa13tNb/uy6IiI7PnftIAkTgHPPTg1Pf6pdWuu2lpFbM9u9vLNK4CknbtAVcuMcsM5B6j3IAIJ9S1ZZP3dqgHnmMoY3ZgnnxoHyBjHlsz9fwO1qs293qMl2yyxoIkKjKxP8+ZJFPJx0CoemOT1BBoXXARk2F0qklEYtFh5BwYxh/vAhhzgfKecYJLDXBfXq2zWF3asyysrTeWQ3luEcfK7HILDr1oAr3NxqA8Qlo7e7NnGBbk4Hl5ZdxkAB3MdxjXO3CgOc9ajlv9SNoyKrFDblhci0kDCTyshPLzu685/4B97miXxFPFDbIYYnuZLxIpVBICRM6DeM/ewJYgcfxMewqyniBZoQ1vYXU0jFSkcbwsWRgxEgbft2nYR1z7cigB8t1dtcJbrE4GHLuI24IePbz05VifwPoar3f27/AISdf+Pj+zvLg3iLd9/fLjp/DnZuA5xtz8oYFZPEqW2nvc3FpMwiRWkaNowG/deYxUM4J2jqOvPGecXrPU47y8urZYZY3tmw3mFRu5IyFBLAHacFgMjkZFAGDPquryvbSJa3KpCizsUtXyxa3nJRkyM4YR/LuOGIG7NaputTlhJgEaMsmzLW7sD+9C56rkBc89DwQccGtYeKVubayeeyuQbmNC0sSqyCQwecVA3bz8uf4evFI/ijL7Y7GZU+zXE7TF4pBGYsAghXOeWHQ9SB6lQC/DdXj6fvkiCTfanjwyMMxrKyhu/JQA56EnsDWSuu6tJZzSQWu+WNtpja2YMv+hrMCyBiQfMYLtyeuOvNaem639uhLzWc1q3nSxBHZWzsk8vOQT3P6HqME07LxJbvIA2nSW89xctHIm+LdlZPKDt8wLfcxxuxsPUbSQC6Lu8F55Uu1Iw2FdIJJPMGU6kABSAxHcfxdFYVhXGpa0/hlYYbO5W4ktGjbEUvmRt9k3ghiSSfMwu4kHORgkZrobjVhDcvElpPOsZCPJGYwquRlU+ZgcnK9sfOOeuE0G9uNR0Cyvb1FjmuIhIyquAM8jA3NxjHf8B0ABRS91RLWf7PaO0sJupSkiv+8xJIIlUserYB4yAAOAGXEGrXuqvYahDArZNpP5LwQS794jj2AHA+Yl36Z+6O6sK6WigAooooA+EfiF/yU7xR/wBhi7/9HPRR8Qv+SneKP+wxd/8Ao56KoD7ft7jTrmGGSCYKL6ICHLtG0qYLfKDg9GJyORUNwNHkjXfNFHHADAGiuDGsRBA25Ujaw4A7jJAxk5px+FEjbTm+1F/sdvbwOrbwsnktuVtquBnJJ+bcOmOhzNB4eKaUbKeeGTba/ZI5Ft9pEYTaN3JyRlvQc8Ac5kCdrXR5luk82MFXE8zR3JV4mVfL3bg2U+VCpII4DA9TUBi0D99EyQJbpHHdMxfbDtkjaBcc4xsQrjp070yXwz5nlst3teKSeVCYsjc9ylwuRnkAxgEcZBPIpsfhqWG8F5Hexi5VxIpNv8m7dOWyu7OCLhgOeCoOT0oAtmz0i3vIo5Jgtwn71Uku2LN8oGSC2WH7sHnPK565NWF0uy8uaJFYB5HdtkzgqzkMxBBypJ54x1z3rnm8NT280NmsTXemxp5kylVVpSLU2+xW3jBIwcFQOSd/aug0m0nsrGOK5eNnK75dgPMzMWkYEn7pZuBgY/QADJ9A0253CW3yrrtZVkZVP7sx5wDjOxiueuMegxLNpdrPqC3r+cs6qq5juJEDBSSAyqwDDLHqD1NXKKAMx9AsvLgWBXg+zpHHGyOchYwwQZzkYDtyCCc4JIJBSDw3pdvbmFLclTAbdiZGyyFI0I691iQZHp7mtSigCmdKtNtwoR1W4bc6rK4AbOdygH5Dk5JXBJ5PPNNn0axuYWjnhMisxZt0jZJMRiJznP3CR+vXmr1FAGVqXh2y1OO4WTzImud3myRSFWO5FQ8g9NqL8v3TgEg1fltIZrhJpEzIkbRq2TwrFSR+aL+VTUUAVjp9sbl5yhMj4z87Y4Ochc4B4GSBzgZpY7C2iuEnjjxIgkCtuPHmMHf82UH27VYooApvpVk773gy2IlzuPSN96d+zc+/fNRx6Hp8W3y4WXZt2Ylf5ApYqF54A3sMDjadvTitCigDPuNC066tzBLA3lsCp2SupKlQpUkEEqQq5HQ4BPIqaDTbW2u5LmGLbLJnJ3EhcnLbQThdx5OMbjycmrVFAGemh6bHbRW4tVMMRBWN2LDiLyuQTyNny4P8+aT+wdO8vYYXb5XVnaZy7h1CsGYnLZAUck42rj7oxo0UAURo9ksyyrG4ZZXmAEr7dzEFvlzjBIDY6Z5xnmnR6TaRSCSJJEYStN8szgbmOW4z0J529M84zVyigCBrOB7xLllPmoMD5zj6lc4J9CRkZNPtreK0tYra3XZDCgjjXJOFAwBk+1SUUAFFFFABRRRQB8I/EL/kp3ij/sMXf/o56KPiEP8Ai53ij/sMXf8A6OeiqA+7qKKKkAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPhH4hf8AJTvFH/YYu/8A0c9FHxC/5Kd4o/7DF3/6OeiqA+7qKKKkAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPhH4hf8lO8Uf9hi7/APRz0UfEL/kp3ij/ALDF3/6OeiqA+7qKKKkAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPhH4hf8lO8Uf8AYYu//Rz0UfEL/kp3ij/sMXf/AKOeiqA+7qKKKkAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPhH4hf8lO8Uf9hi7/8ARz0UfEL/AJKd4o/7DF3/AOjnoqgPu6iiipAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD4R+IR/4ud4o/7DF3/6Oeij4hD/AIud4o/7DF3/AOjnopgfd1FFFIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPhL4hf8lO8Uf9hi7/8ARzUU34hf8lO8Uf8AYYu//Rz0UwPu+iiikAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHwh8Qv8Akp3ij/sMXf8A6Oeik+If/JTvFH/YYu//AEc9FMZ94UUUUhBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfB3xD/5Kf4o/wCwxd/+jnoo+If/ACU/xR/2GLv/ANHPRQUfeNFFFBIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHwf8Q/+SneKP+wxd/8Ao56KX4hf8lO8Uf8AYYu//Rz0UDPu+iiigQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHwf8Q/8Akp3ij/sMXf8A6Oeil+IX/JTvFH/YYu//AEc9FAz7vooooEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8IfEL/kp3ij/sMXf/o56KT4hj/i53ij/sMXf/o56KBn3hRRRQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD4Q+IX/ACU7xR/2GLv/ANHPRSfEP/kp3ij/ALDF3/6Oeigo+8KKKKCQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPg/wCIf/JTvFH/AGGLv/0c9FJ8Q/8Akp/ij/sMXf8A6OeigZ940UUUCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA+DfiHn/hZ/in/sMXf/o56KX4h/8AJT/FP/YYu/8A0c9FBR940UUUEhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfB3xD/5Kf4o/7DF3/wCjnoo+If8AyU/xT/2GLv8A9HPRSKPvGiiimSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8H/ABD/AOSneKP+wxd/+jnopPiH/wAlP8Uf9hi7/wDRz0UFH3jRRRQSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8HfEP/kp/ij/sMXf/AKOeij4h/wDJT/FP/YYu/wD0c9FBR940UUUEhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfBvxD/wCSn+Kf+wxd/wDo56KPiH/yU/xT/wBhi7/9HPRQUfeVFFFBIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHwb8Qz/xc/wAU/wDYYu//AEc9FJ8Q/wDkp/in/sMXf/o56KRR950UUUyQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPgz4h/8lQ8U/8AYYu//Rz0UnxE/wCSoeKf+wxd/wDo56KRZ96UUUUyAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPgv4if8lQ8U/9hi7/APRz0UfEQ/8AF0PFPH/MYu//AEc9FIo+9KKKKZIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHwV8RM/8LQ8U/8AYZu//Rz0UvxEH/F0PFP/AGGbv/0c9FBR96UUUUEhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfBfxE/5Kh4p/7DF3/6Oeij4if8lQ8U/wDYYu//AEc9FIo+9KKKKZIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHwX8RP+SoeKf+wxd/8Ao56KPiJ/yVDxT/2GLv8A9HPRSKPof/hqvwR/0CvEH/gPB/8AHqP+Gq/BH/QK8Qf+A8H/AMer5Jopkn1t/wANV+CP+gV4g/8AAeD/AOPUf8NV+CP+gV4g/wDAeD/49XyTRQB9bf8ADVfgj/oFeIP/AAHg/wDj1H/DVfgj/oFeIP8AwHg/+PV8k0UAfW3/AA1X4I/6BXiD/wAB4P8A49R/w1X4I/6BXiD/AMB4P/j1fJNFAH1t/wANV+CP+gV4g/8AAeD/AOPUf8NV+CP+gV4g/wDAeD/49XyTRQB9bf8ADVfgj/oFeIP/AAHg/wDj1H/DVfgj/oFeIP8AwHg/+PV8k0UAfW3/AA1X4I/6BXiD/wAB4P8A49R/w1X4I/6BXiD/AMB4P/j1fJNFAH1t/wANV+CP+gV4g/8AAeD/AOPUf8NV+CP+gV4g/wDAeD/49XyTRQB9bf8ADVfgj/oFeIP/AAHg/wDj1H/DVfgj/oFeIP8AwHg/+PV8k0UAfW3/AA1X4I/6BXiD/wAB4P8A49R/w1X4I/6BXiD/AMB4P/j1fJNFAH1t/wANV+CP+gV4g/8AAeD/AOPUf8NV+CP+gV4g/wDAeD/49XyTRQB9bf8ADVfgj/oFeIP/AAHg/wDj1H/DVfgj/oFeIP8AwHg/+PV8k0UAfW3/AA1X4I/6BXiD/wAB4P8A49R/w1X4I/6BXiD/AMB4P/j1fJNFAH1t/wANV+CP+gV4g/8AAeD/AOPUf8NV+CP+gV4g/wDAeD/49XyTRQB9bf8ADVfgj/oFeIP/AAHg/wDj1H/DVfgj/oFeIP8AwHg/+PV8k0UAdB4p1aDXvGOs6vaI6W+oX891EsoAdVeRmAYAkZwecE0VjKflH0ooGf/Z)

**Program No:11 Date:31-09-2022**

**Aim**:

**Program Code:**

**Activity\_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:id="@+id/frameLayout"

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent">

<ImageView

android:id="@+id/image1"

android:layout\_width="match\_parent"

android:layout\_height="400dp"

android:scaleType="center"

android:src="@drawable/sea2"/>

<ImageView

android:id="@+id/image2"

android:layout\_width="match\_parent"

android:layout\_height="400dp"

android:scaleType="centerCrop"

android:src="@drawable/sea3"/>

</FrameLayout>

**MainActivity.java**

package com.example.myapplication11;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.ImageView;

public class MainActivity extends AppCompatActivity {

ImageView i1,i2;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

i1=findViewById(R.id.*image1*);

i2=findViewById(R.id.*image2*);

i2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

i2.setVisibility(view.*GONE*);

i1.setVisibility(view.*VISIBLE*);

}

});

i1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

i1.setVisibility(View.*GONE*);

i2.setVisibility(View.*VISIBLE*);

}

});

}

}

**OUTPUT**

