

1.Cell-анимация.homer_animation.xml

```
<?xml version="1.0" encoding="utf-8"?>
<animation-list xmlns:android="http://schemas.android.com/apk/res/android"
    android:oneshot="false">
    <item android:drawable="@drawable/w1" android:duration="250" />
    <item android:drawable="@drawable/w2" android:duration="250" />
    <item android:drawable="@drawable/w1" android:duration="250" />
    <item android:drawable="@drawable/w4" android:duration="250" />
    <item android:drawable="@drawable/w5" android:duration="250" />
    <item android:drawable="@drawable/w6" android:duration="250" />
    <item android:drawable="@drawable/w7" android:duration="250" />
    <item android:drawable="@drawable/w8" android:duration="250" />
    <item android:drawable="@drawable/w9" android:duration="250" />
    <item android:drawable="@drawable/w10" android:duration="250" />
</animation-list>
```

2.Твееп-анимация.В папке res добавляем папку anim.

Там создаем xml файл new_animation

```
<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android"
    android:interpolator="@android:anim/linear_interpolator">
    <scale android:fromXScale="1.0" android:toXScale="0.5"
        android:fromYScale="1.0" android:toYScale="0.5"
        android:pivotX="50%" android:pivotY="50%" android:duration="4500"
        android:repeatCount="infinite" android:repeatMode="reverse" />
    <rotate
        android:fromDegrees="0.0"
        android:toDegrees="60.0"
        android:pivotX="50%"
        android:pivotY="50%" />
    <alpha android:fromAlpha="1.0" android:toAlpha="0.1"
        android:duration="2250"
        android:repeatCount="infinite" android:repeatMode="reverse" />
    <translate android:fromXDelta="0.0"
        android:toXDelta="50.0"
        android:fromYDelta="20.0"
        android:toYDelta="80.0"
        android:duration="2250"
        android:repeatMode="reverse"
        android:repeatCount="infinite" />
</set>
```

3.activitymain.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"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ImageView
        android:id="@+id/ivAnim"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:visibility="gone" />

    <Button
        android:id="@+id/btnCellAnimation"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Cell-анимация"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toStartOf="parent" />

    <Button
        android:id="@+id/btnTweenAnimation"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Tween-анимация"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

4.MainActivity.kt

```
class MainActivity : AppCompatActivity() {
    private lateinit var img: ImageView
    private lateinit var frameAnimation: AnimationDrawable

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        img = findViewById(R.id.ivAnim)
        val btnCellAnimation: Button = findViewById(R.id.btnCellAnimation)
        val btnTweenAnimation: Button = findViewById(R.id.btnTweenAnimation)

        btnCellAnimation.setOnClickListener {
            startCellAnimation()
        }

        btnTweenAnimation.setOnClickListener {
            startTweenAnimation()
        }
    }

    private fun startCellAnimation() {
        img.setBackgroundResource(R.drawable.homer_animation)
        frameAnimation = img.background as AnimationDrawable
        img.visibility = View.VISIBLE
        frameAnimation.start()
    }

    private fun startTweenAnimation() {
        img.setImageResource(R.drawable.w1)
        val anim = AnimationUtils.loadAnimation(context: this, R.anim.new_animation)
        img.startAnimation(anim)
    }
}
```

5. Работа приложения

1.cell



2.tween

