Задание 13

MainActivity

```kotlin
import android.os.Bundle
import android.view.animation.Animation
import android.view.animation.AnimationUtils
import android.widget.ImageView
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main)
        val imgCat : ImageView = findViewById(R.id.ivAnimCat)
        val anim : Animation = AnimationUtils.loadAnimation(this,R.anim.animation_new)
        imgCat.startAnimation(anim)
    }
}
```

анимация:

```xml
<?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="0.0"
        android:pivotX="50%"
        android:pivotY="50%" />
    <alpha android:fromAlpha="1.0" android:toAlpha="0.0"
        android:duration="250"
        android:repeatCount="infinite"
        android:repeatMode="reverse" />
    <translate android:fromXDelta="0.0"
        android:toXDelta="100.0"
        android:fromYDelta="20.0"
        android:toYDelta="120.0"
        android:duration="250"
        android:repeatMode="reverse"
        android:repeatCount="infinite" />
</set>
```

main_activity:

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/an
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <ImageView
        android:id="@+id/ivAnimCat"
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:src="@drawable/cat"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/a
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <ImageView
        android:id="@+id/ivAnimCat"
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:src="@drawable/fox"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Результат: