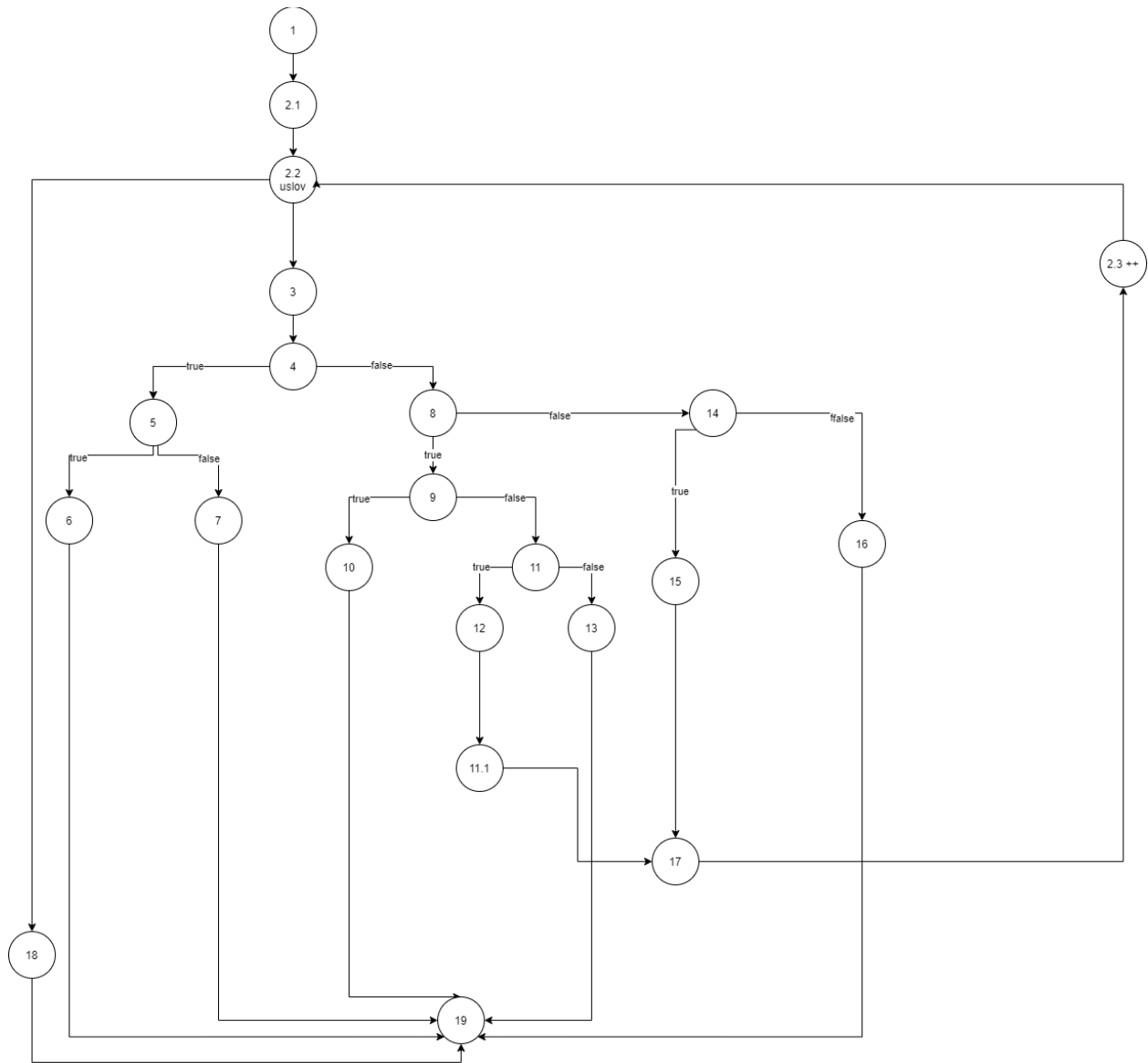


Втора лабораториска вежба по Софтверско инженерство

Иво Трајковски 193094

Control Flow Graph



Цикломатска комплексност

Цикломатската комплексност на кодот е 8.

Предикатни јазли $+1 = 7 + 1 = 8$

Тест случаи според критериумот Multiple condition

....

```
build.gradle (SI_lab2_193094) x SIlab2.java x SIlab2Test.java x
47
48 @Test
49 void MultipleConditionTest(){
50     // if(hr<0 || hr>24)
51     // T || X
52     RuntimeException ex;
53     ex = assertThrows(RuntimeException.class, () -> SIlab2.function(createList(new Time( hours: -1, mi
54     assertTrue(ex.getMessage().contains("The hours are smaller than the minimum")));
55     // F || T
56     ex = assertThrows(RuntimeException.class, () -> SIlab2.function(createList(new Time( hours: 26, mi
57     assertTrue(ex.getMessage().contains("The hours are grater than the maximum")));
58     // F || F
59     assertEquals(createSeconds( ...elems: 43932), SIlab2.function(createList(new Time( hours: 12, minutes: 12,
60     // if (min < 0 || min > 59)
61     // T || X
62     ex = assertThrows(RuntimeException.class, () -> SIlab2.function(createList(new Time( hours: 12, mi
63     assertTrue(ex.getMessage().contains("The minutes are not valid!")));
64     // F || T
```

Тест случаи според критериумот Every branch

....

```
build.gradle (SI_lab2_193094) x SIlab2.java x SIlab2Test.java x
14 @ private List <Integer> createSeconds(Integer ... elems) { return new ArrayList<Integer>
17
18 @Test
19 void everyBranchTest() {
20     RuntimeException ex;
21     ex = assertThrows(RuntimeException.class, () -> SIlab2.function(createList(new Time( hours: -1, mi
22     assertTrue(ex.getMessage().contains("The hours are smaller than the minimum")));
23
24     ex = assertThrows(RuntimeException.class, () -> SIlab2.function(createList(new Time( hours: 26, mi
25     assertTrue(ex.getMessage().contains("The hours are grater than the maximum")));
26
27
28     ex = assertThrows(RuntimeException.class, () -> SIlab2.function(createList(new Time( hours: 18, mi
29     assertTrue(ex.getMessage().contains("The minutes are not valid!")));
30
31
32     ex = assertThrows(RuntimeException.class, () -> SIlab2.function(createList(new Time( hours: 18, mi
33     assertTrue(ex.getMessage().contains("The seconds are n
Experimental Feature Alert
```