

# Примеры описаний инструкций

```
<situation>
  <argument name="rd" length="64" status="readonly" />
  <argument name="rs" length="64" status="readonly" />
  <argument name="rt" length="64" status="readonly" />

  <assume><eq>
    <bits end="63" start="32"><var>rs</var></bits>
    <power index="32"><bit index="31">
      <var>rs</var></bit></power>
    </eq></assume>

  <assume><eq>
    <bits end="63" start="32"><var>rt</var></bits>
    <power index="32"><bit index="31">
      <var>rt</var></bit></power>
    </eq></assume>

  <let name="temp"><sum>
    <concat>
      <bit index="31"><var>rs</var></bit>
        <bits end="31" start="0">
          <var>rs</var></bits>
        </concat>
        <concat>
          <bit index="31"><var>rt</var></bit>
            <bits end="31" start="0">
              <var>rt</var></bits>
            </concat></sum></let>
```

```
  <assume><neq>
    <bit index="32"><var>temp
    </var></bit>
    <bit index="31"><var>temp
    </var></bit>
  </neq></assume>

</situation>
```

арифметическое  
переполнение

ADD rd, rs, rt