stream_size <= and >= modifiers function as < and > (equality is not functional)

for the stream_size keyword, the <= and >= modifiers function the same as the < and > modifiers respectively. When the = modifier matches, the <= and >= modifiers do not match.

When the following rules are applied to the specified pcap:

```
#rules intended to be applied to https://csmutz.com/smusec_files/alice_full.pcap

alert tcp any any -> any any (msg:="=137"; stream_size:client,=,137; content:"GET "; sid:517301; rev:1;)
alert tcp any any -> any any (msg:="!=137"; stream_size:client,!=,137; content:"GET "; sid:517302; rev:1;)
alert tcp any any -> any any (msg:;">137"; stream_size:client,>,137; content:"GET "; sid:517303; rev:1;)
alert tcp any any -> any any (msg:="<137"; stream_size:client,>,137; content:"GET "; sid:517304; rev:1;)
alert tcp any any -> any any (msg:=">=137"; stream_size:client,>=,137; content:"GET "; sid:517305; rev:1;)
alert tcp any any -> any any (msg:="<=137"; stream_size:client,<=,137; content:"GET "; sid:517306; rev:1;)
alert tcp any any -> any any (msg:="=138"; stream_size:client,=,138; content:"GET "; sid:517311; rev:1;)
alert tcp any any -> any any (msg:="!=138"; stream_size:client,!=,138; content:"GET "; sid:517312; rev:1;)
alert tcp any any -> any any (msg:;">138"; stream_size:client,>,138; content:"GET "; sid:517313; rev:1;)
alert tcp any any -> any any (msg:="<138"; stream_size:client,>,138; content:"GET "; sid:517314; rev:1;)
alert tcp any any -> any any (msg:=">=138"; stream_size:client,>=,138; content:"GET "; sid:517315; rev:1;)
alert tcp any any -> any any (msg:="<=138"; stream_size:client,<=,138; content:"GET "; sid:517316; rev:1;)
alert tcp any any -> any any (msg:="=139"; stream_size:client,=,139; content:"GET "; sid:517321; rev:1;)
alert tcp any any -> any any (msg:="!=139"; stream_size:client,!=,139; content:"GET "; sid:517322; rev:1;)
alert tcp any any -> any any (msg:;">139"; stream_size:client,>,139; content:"GET "; sid:517323; rev:1;)
alert tcp any any -> any any (msg:="<139"; stream_size:client,>,139; content:"GET "; sid:517324; rev:1;)
alert tcp any any -> any any (msg:=">=139"; stream_size:client,>=,139; content:"GET "; sid:517325; rev:1;)
alert tcp any any -> any any (msg:="<=139"; stream_size:client,<=,139; content:"GET "; sid:517326; rev:1;)
```

The following alerts are generated:
Alerts for \( \geq 138 \) (517315) and \( \leq 138 \) (517316) should occur as \( =138 \) (517311) does.

The following alerts were generated on 2.1beta4 but the same issue exists in previous issues.

**History**

**#1 - 06/18/2015 10:28 AM - Alexandre Macabies**

Should be fixed by [PR #1560](https://github.com/inliniac/suricata/pull/1560).

**#2 - 07/23/2015 04:41 AM - Victor Julien**

- Status changed from New to Closed
- Assignee set to Alexandre Macabies
- Priority changed from Low to Normal
- Target version set to 3.0RC1
- % Done changed from 0 to 100

[https://github.com/inliniac/suricata/pull/1560](https://github.com/inliniac/suricata/pull/1560)