fmal v13

hir12

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```
{;;;
Notkun: Producer()
Fyrir: i er tala frá 0 upp í 10000
Gildi: Býr til i^2 og setur inn í c sem er channel.
Notkun: Consumer()
Fyrir: i er tala frá 0 upp í 10000, sum er summa talna úr c.
Gildi: Summa talna úr c, sent í r sem er annað channel.
;;;}
"V13e.mexe" = main in
}}
main =
    fun() {
       var c = makeChannel();
       var r = makeChannel();
       rec fun Producer(){
        var i = bigInteger(0);
            while (i != 10000){
                i = i+1;
                c <- i*i;
            };
        };
        rec fun Consumer(){
            var i = bigInteger(0);
            var sum = bigInteger(0);
            while (i != 10000){
                i = i+1;
                sum = sum + <-c;
            };
```

```
r <- sum;
             };
             go{Producer()};
             go{Producer()};
             go{Consumer()};
             go{Consumer()};
             val x = <- r;</pre>
             val y = <- r;</pre>
             write(x);
             write("+");
             write(y);
             writeln("="++(x+y));
      };
}}
BASIS
    C:\Users\Hákon Ingi\VS code\javavitleysa>java -jar morpho.jar -c V13e.morpho
Reused 1837 out of 2509 operations, 672 operation objects used.
Reuse ratio is 73%
     C:\Users\Hákon Ingi\VS code\javavitleysa>java -jar morpho.jar V13e
245654867259+421111802741=666766670000
     C:\Users\Hákon Ingi\VS code\javavitleysa>java -jar morpho.jar V13e
309703140007+357063529993=666766670000
     C:\Users\Hákon Ingi\VS code\javavitleysa>java -jar morpho.jar V13e
264390874427+402375795573=666766670000
```