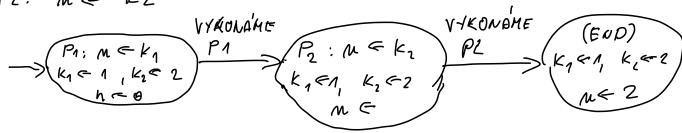
SEKUEWON!

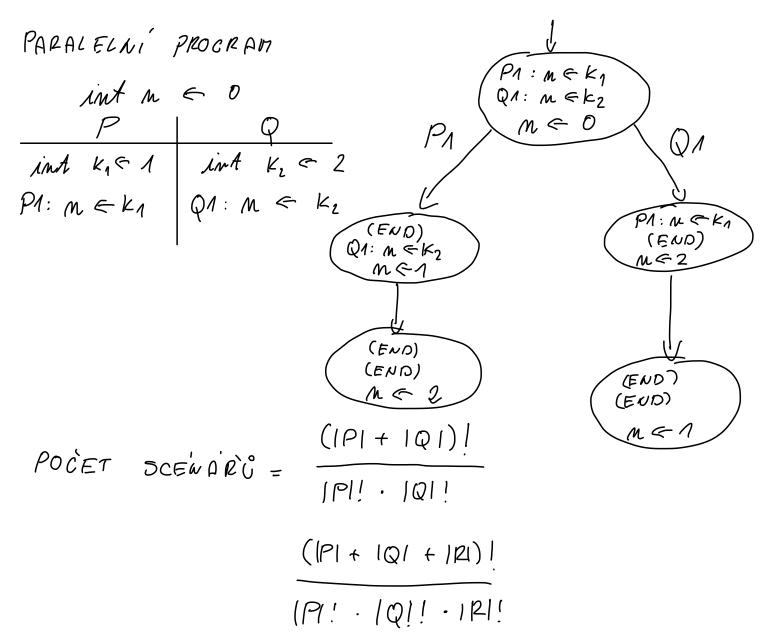
ind w < 0

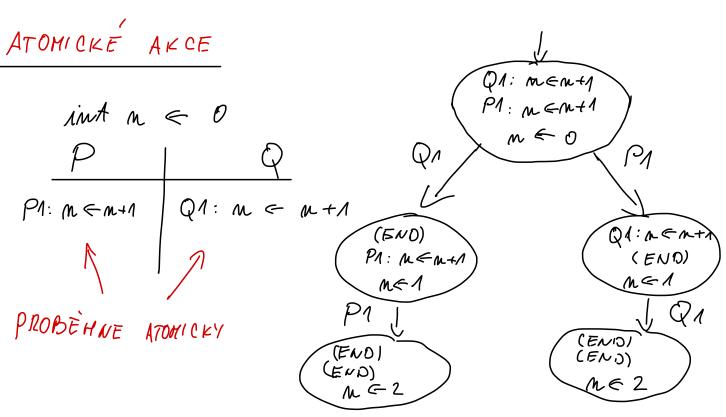
 $\inf_{1 \le 1} k_1 = 1$ $\inf_{1 \le 1} k_2 = 2$

P1: M = K1

P2: M < K2







int n < 0

SPRAINE

P1 > P2 > Q1 > Q2Q1 > Q2 > P1 > P2 SPATNE

P1 > Q1 > P2 > Q2

PRIKLADY:

1. KOLIK DE MOZNÝCH SCENBROL int n = 0

р	Р
p2: push #1 p3: add	q1: push n q2: push #1 q3: add q4: pop n

2, NASOETE SCENDE PROKTERY DE +100NOTA N = 10.

Algorithm 2.9. Concurrent counting algorithm

integer n ← 0		
р	P	
<pre>integer temp p1: do 10 times p2: temp</pre>	integer temp q1: do 10 times q2: temp n q3: n temp + 1	

BOODVANE UKOLY

4. For positive values of κ , what are the possible final values of n in the following algorithm?

Algorithm 2.10. Incrementing and decrementing

	Algorithm 2:10: Therementing and decrementing		
integer n ← 0			
	р	q	
p2:	<pre>integer temp do K times temp (n n temp + 1</pre>	<pre>integer temp q1: do K times q2: temp</pre>	

7. Consider the following algorithm:

Algorithm 2.17. Concurrent algorithm B

Algorithm 2:17: Concurrent algorithm B	
integer n ← 0	
р	q
p1: while n < 2 p2: write(n)	q1: n ← n + 1 q2: n ← n + 1

- a. Construct scenarios that give the output sequences: 012, 002, 02.
- b. Must the value 2 appear in the output?
- c. How many times can the value 2 appear in the output?
- d. How many times can the value 1 appear in the output?