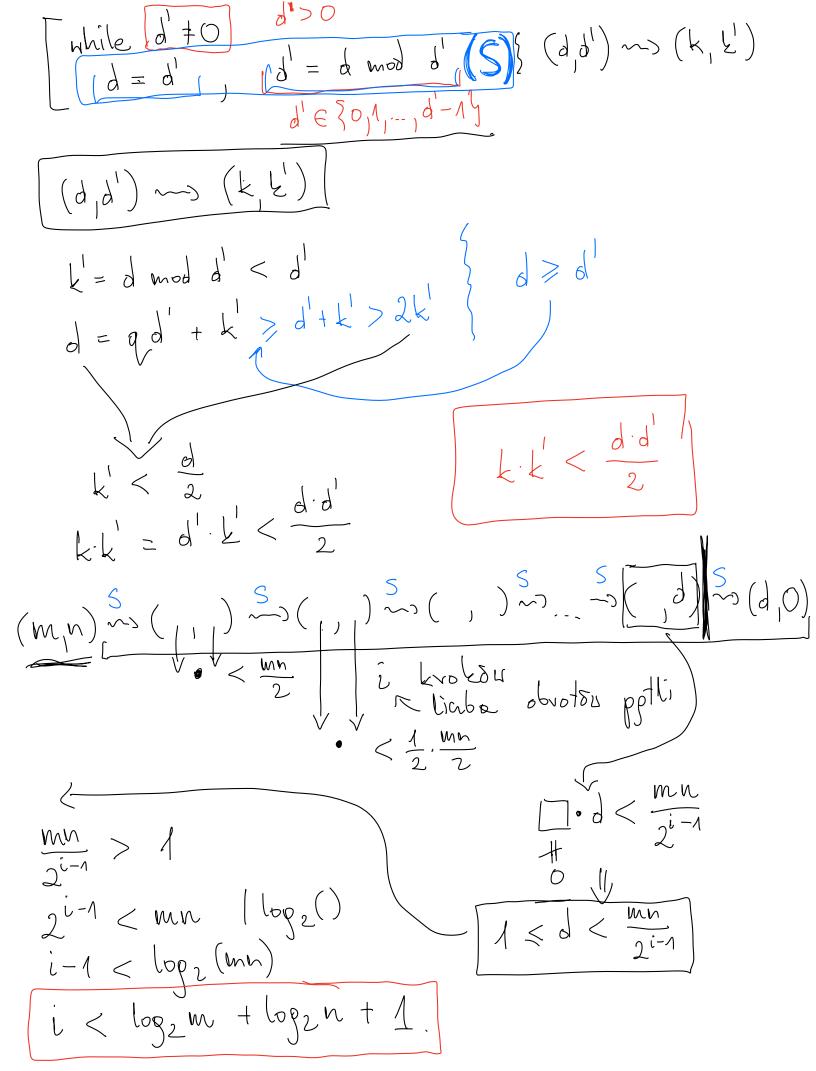
Alg. Euhidese NHD
$$(m, h)$$

while $n \neq 0$
 $m \neq n = n$, $m \mod n$
 $m = n \neq 0$
 $m =$



lop2 m + lop2 h +1 = 2001 TH. Liaba obrotou u alg. Fullidesa priemana logzm + logzn + 1. 9 135 15 = 135 - 3.40 40 10 = 40 - 2.1515 < 5 = 15 − 1.10 10 2. $(135,40)^{-1}5 = 15 - 1.10 = 15 - 1.15 = 15$

$$NUD = 15 - 1.10 = 15 - 1.40 + 3.15 = -1.40 + 3.15$$

Lemat Bervote'a. Dla donolnych miné Nome 1 miné Nome 1 miné no miné no

while $d \neq 0$ d = d $d' = d \mod d'$ $\begin{cases}
d = s \cdot m + t \cdot n
\end{cases}$ di=Sim +tin di+1 ESi+1m +tinn m = 00 ditz = di mod dita = di - qitadita = = Sim + tin - gita (Si-1, m + titan)

= (si-qi+nsi+n)m+(ti-qi+nti+n)n

Sitz titzSitz titzSitz

$$5 = 3 \cdot 135 + (-10) \cdot 40$$