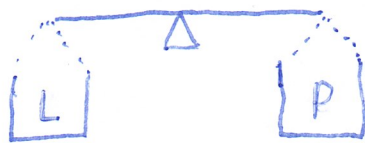


$n = 9$



Z

1. pokus

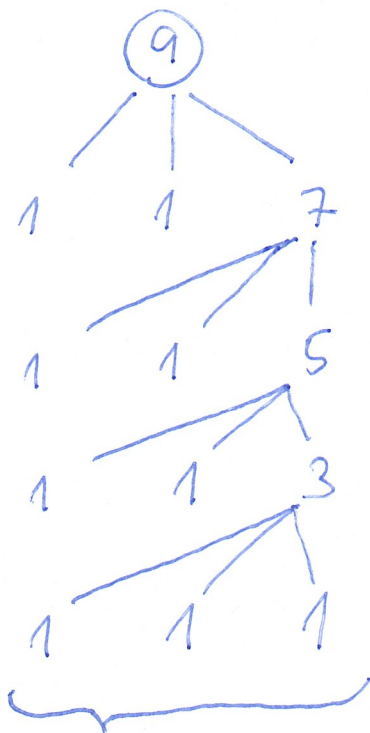


7



Kde je kulička? : nejlepší případ

nejhorší případ



$n_0 = 9$

$n_1 = 7$

$n_2 = 5$

...

$n_{i+1} = n_i - 2$

Kulička nalezena v nejhorším případě

Poznámka :

$|L| = 1$

$|P| = 2$

$|Z| = 6$

pro  $\forall$  kuličky bude P těžší

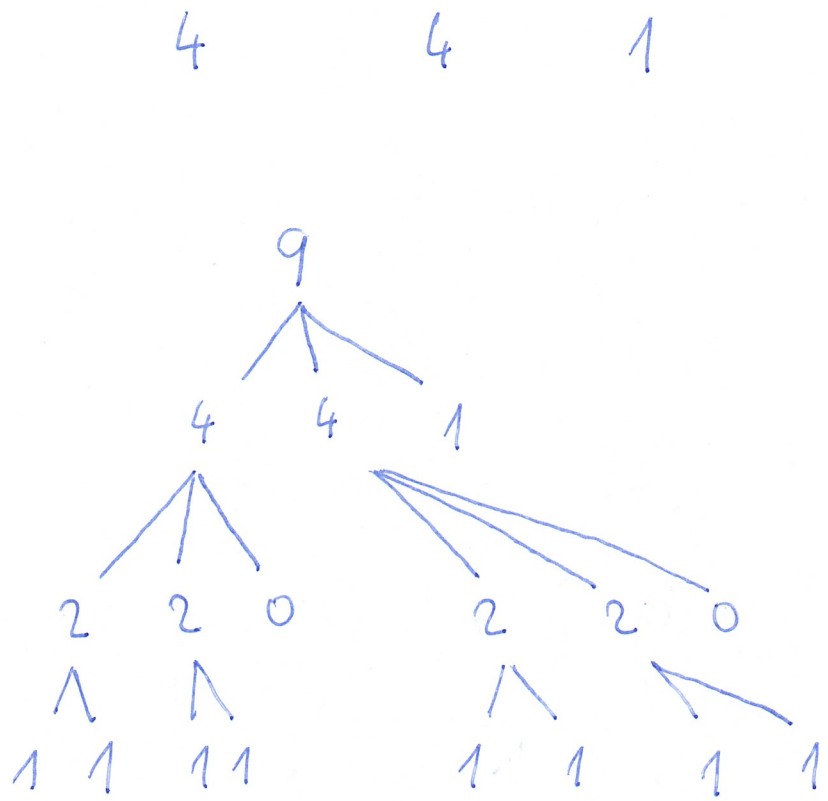
2. pokus

(polovina)

$$|L| = |P| = \lfloor n_i / 2 \rfloor$$

$$|Z| = \begin{cases} 1 \\ 0 \end{cases}$$

$$n_{i+1} = \lfloor n_i / 2 \rfloor$$



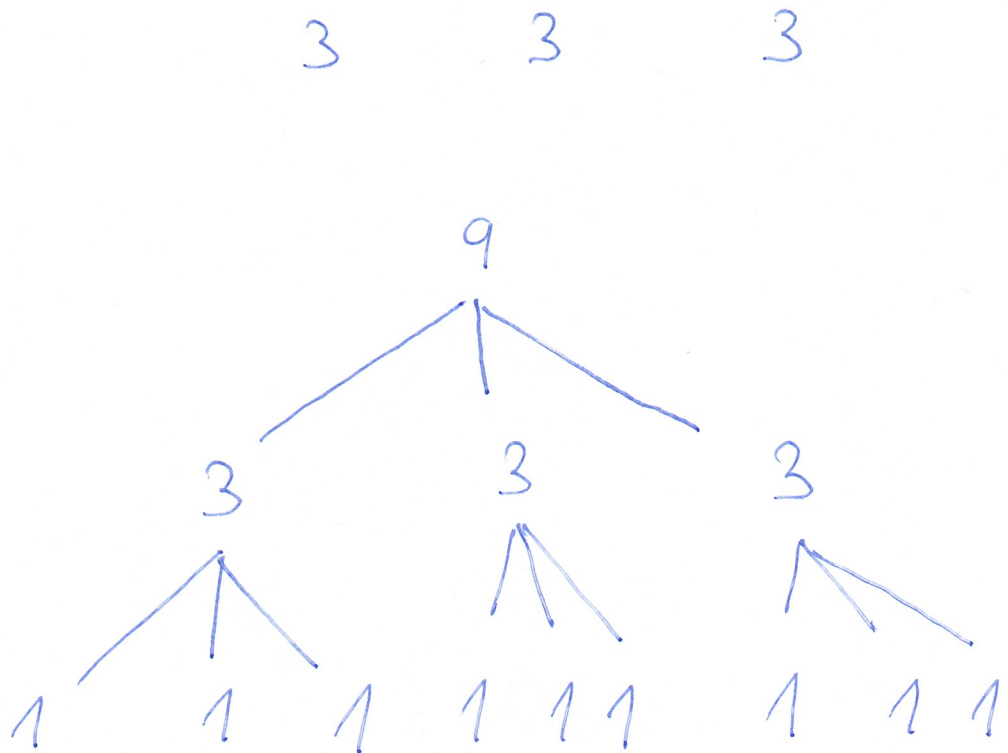
3. pokus

(přesuny)

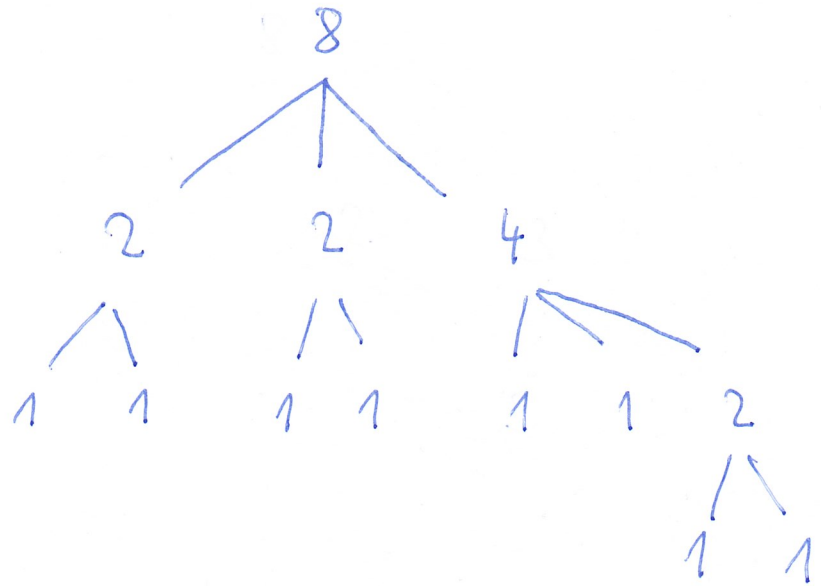
$$|L| = |P| = 2$$

$$|Z| = 2$$

$$n_{i+1} = 2$$



$n = 8$



4. nodes

$|L| = |P| = 3^l < n_i$  a  $3^{l+1} \geq n_i$

