

---

## On simple linear recurrences

Andrzej Schinzel

---

Let  $K$  be a number field and  $u_n$  a simple linear recurrence of order  $k$  defined over  $K$ . We shall consider for  $k = 2, 3, 4$  the following problem: if for almost all prime ideals  $p$  of  $K$  there are elements  $u_n$  divisible by  $p$ , does it follow that  $u_n = 0$  for a certain integer  $n$ ?