$$\sum_{n=2}^{\infty} \left(\frac{4n^2}{2^n} + \frac{2n^2 3^n}{n!} \right) =$$

$$1 + \frac{1}{3!} + \frac{1}{5!} + \dots =$$

$$\frac{5}{2} \frac{1}{j \cdot 3\delta} = \left(\longrightarrow \text{ponocka} \right) \text{ integr.}$$

Rieste returencie

$$x_{n+1} = 4x_n - 4x_{n-1} |_{n \ge 1}$$

 $x_{n+2} = 7x_{n-1} - 12$
 $x_{n+2} = 7x_{n-1} - 12$

$$x_{n+2} = 7x_{n+1} - 12x_n$$
 n=0 $x_0 = 1, x_1 = 2$

$$x_{n+1} = 5x_n + n$$
, $n \ge 0$ $x_0 = 3$

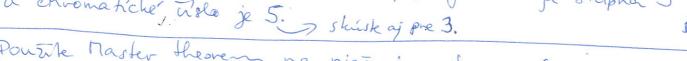
Najdite, co najlepsi odhad pre výpočet n-teho člene

$$x_{n+1} \le x_{n+1} + 2x_{n-1} + \frac{1}{n}$$

 $x_{n+1} \le 3x_n - 2x_{n-1} + n^2$

Nakreslik neorientovaný graf, so 4-v reholni, ktorého chrom a tichy pohynóm má 4 rôžne korene.

Nakreslik grafiktorého chromaticky polynom je stupna 5 ... a chromaticher, visla je 5. skrisk aj pre 3.



Pouzile Master theorem na riesente returenció:

$$T(n) = 4T(n/2) + 3n^2$$