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Kolok má slovo MISSISSIPPI anagramu,
pokud chceme, aby tři P stála vedle sebe.

H - 1x
I - 4x
S - 4x
PP - 1x

$$X = P^*(4, 4, 1, 1) = \frac{10!}{4! 4! \cdot 1! \cdot 1!} =$$
$$= \frac{10 \cdot 9 \cdot 8 \cdot 7 \cdot 6 \cdot 5}{(4!) = 4 \cdot 3 \cdot 2} = 10 \cdot 9 \cdot 7 \cdot 10 =$$

$$= 63 \cdot 100 = \underline{6300}$$

Kolik má slovo MISSISSIPPI anagramů,
pokud chceme, aby tři P stála vedle sebe.

$$\begin{array}{l} M - 1x \\ I - 4x \\ S - 4x \\ \boxed{PP} - 1x \end{array}$$

$$\begin{aligned} X &= P^*(4, 4, 1, 1) = \frac{10!}{4!4!1!1!} = \\ &= \frac{10 \cdot 9 \cdot 8 \cdot 7 \cdot 6 \cdot 5}{(4!) = 4 \cdot 3 \cdot 2} = 10 \cdot 9 \cdot 7 \cdot 10 = \end{aligned}$$

$$= 63 \cdot 100 = \underline{\underline{6300}}$$