276. Paint Fence

n Posts, K colors.

Example:

Recurrence Relation:

$$N(Pi, Cj) = \begin{cases} 1 & n=1 \\ \sum_{x=1}^{N} N(Pi, C_{x}) & n=2 \\ \sum_{x=1}^{N} N(Pi-1, C_{x}) & + \\ \sum_{x=1}^{N} N(Pi-2, C_{x}) & n>2 \end{cases}$$

$$X = 1 & \sum_{x=1}^{N} N(Pi-2, C_{x}) & \sum_{x=1}^{N} N(Pi-2, C_{x}) & + \\ \sum_{x=1}^{N} N(Pi-2, C_{x}) & + \\$$