## Homework 14

Please think about the following problem:
A chain ring of mass $\boldsymbol{m}$ embraces the horizontal disk of radius $\boldsymbol{R}$ (see figure below). Tension in the chain is $\boldsymbol{T}$. At a certain angular velocity $\boldsymbol{\omega}$ of the disk the chain slides down. Find the friction coefficient between the chain and the disk.


