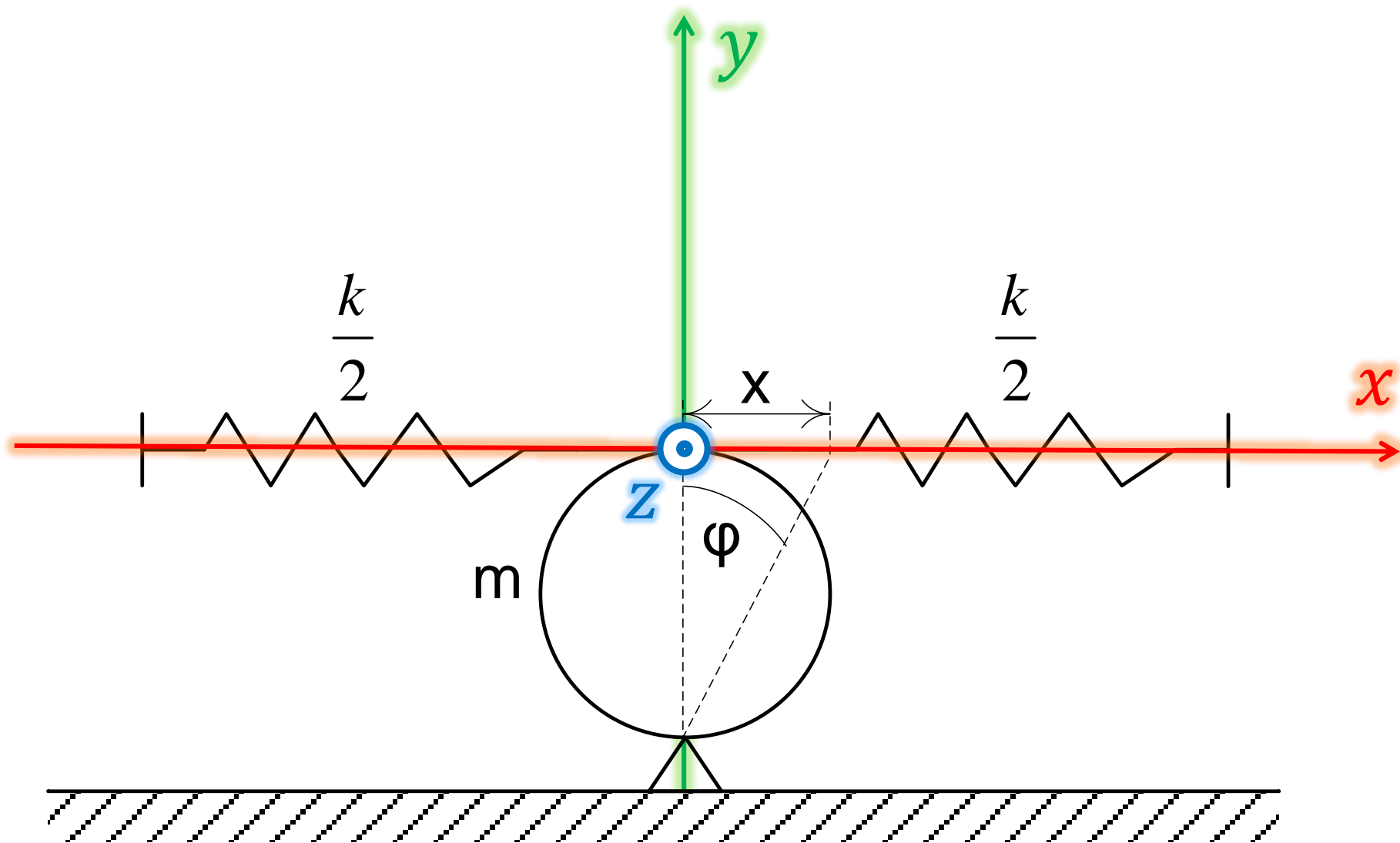
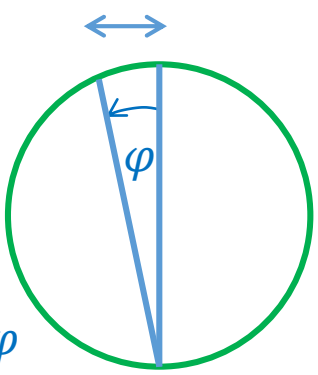
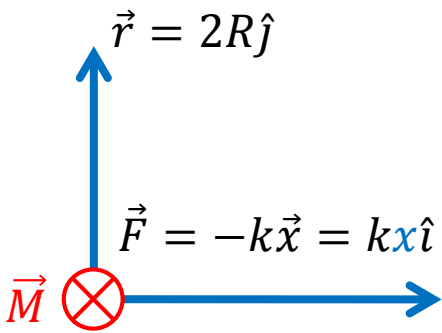


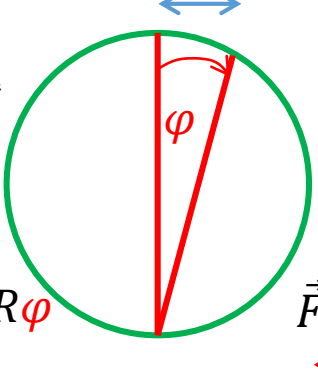
Formiranje jednačbe gibanja za sustav dan u 17. zadatku:

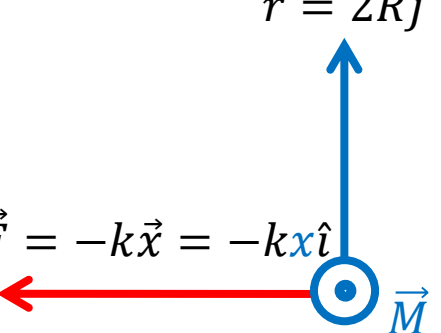


$x = |\vec{x}|$
 $\vec{\varphi} = \varphi \hat{z}$


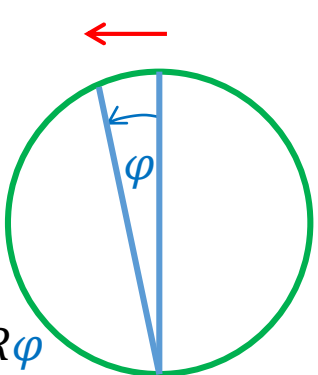
 $x = 2R\varphi$
 $\vec{r} = 2R\hat{j}$
 $\vec{F} = -k\vec{x} = kx\hat{i}$


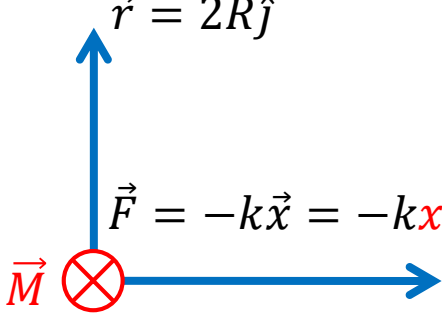
 $\vec{M} = \vec{r} \times \vec{F}$
 $I\ddot{\varphi}\hat{z} = -2Rkx\hat{z}$
 $I\ddot{\varphi}\hat{z} = -4R^2k\varphi\hat{z}$

$x = |\vec{x}|$
 $\vec{\varphi} = \varphi \hat{z}$


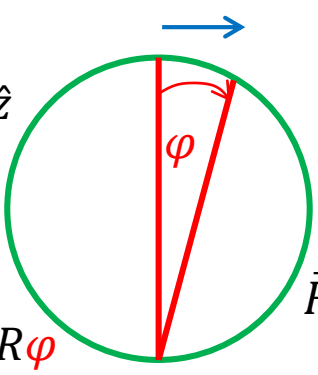
 $x = -2R\varphi$
 $\vec{r} = 2R\hat{j}$
 $\vec{F} = -k\vec{x} = -kx\hat{i}$


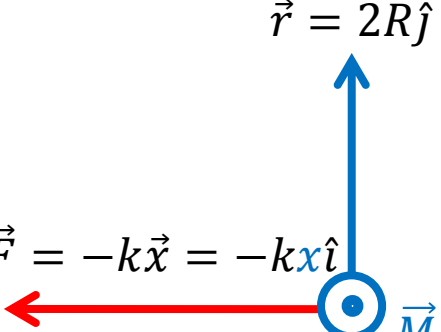
 $\vec{M} = \vec{r} \times \vec{F}$
 $I\ddot{\varphi}\hat{z} = 2Rkx\hat{z}$
 $I\ddot{\varphi}\hat{z} = -4R^2k\varphi\hat{z}$

$\vec{x} = x\hat{i}$
 $\vec{\varphi} = \varphi \hat{z}$


 $x = -2R\varphi$
 $\vec{r} = 2R\hat{j}$
 $\vec{F} = -k\vec{x} = -kx\hat{i}$


 $\vec{M} = \vec{r} \times \vec{F}$
 $I\ddot{\varphi}\hat{z} = 2Rkx\hat{z}$
 $I\ddot{\varphi}\hat{z} = -4R^2k\varphi\hat{z}$

$\vec{x} = x\hat{i}$
 $\vec{\varphi} = \varphi \hat{z}$


 $x = -2R\varphi$
 $\vec{r} = 2R\hat{j}$
 $\vec{F} = -k\vec{x} = -kx\hat{i}$


 $\vec{M} = \vec{r} \times \vec{F}$
 $I\ddot{\varphi}\hat{z} = 2Rkx\hat{z}$
 $I\ddot{\varphi}\hat{z} = -4R^2k\varphi\hat{z}$