The first step is to draw the force diagrams, which would be similar to the ones in the quiz, except they should have force of friction added perpendicular to the reaction force between the surfaces.

The difficulty may occur in deciding the direction of friction between almost all surfaces. Due to the Force applied, direction of motion of M1 is not definite and it depends on the direction and magnitude of the Force. To continue the thought, the friction between M1 and M2 might overweight the tension force of the rope thus M2 might also move to left. In that case M3 would also move up instead of downwards.

The code would consider the cases (all the input values such as the force masses and friction coefficients) for which the naturally intuitive direction of movement of objects would change.

Then I will draw a graph based on the functions of the coordinates of the 3 objects.