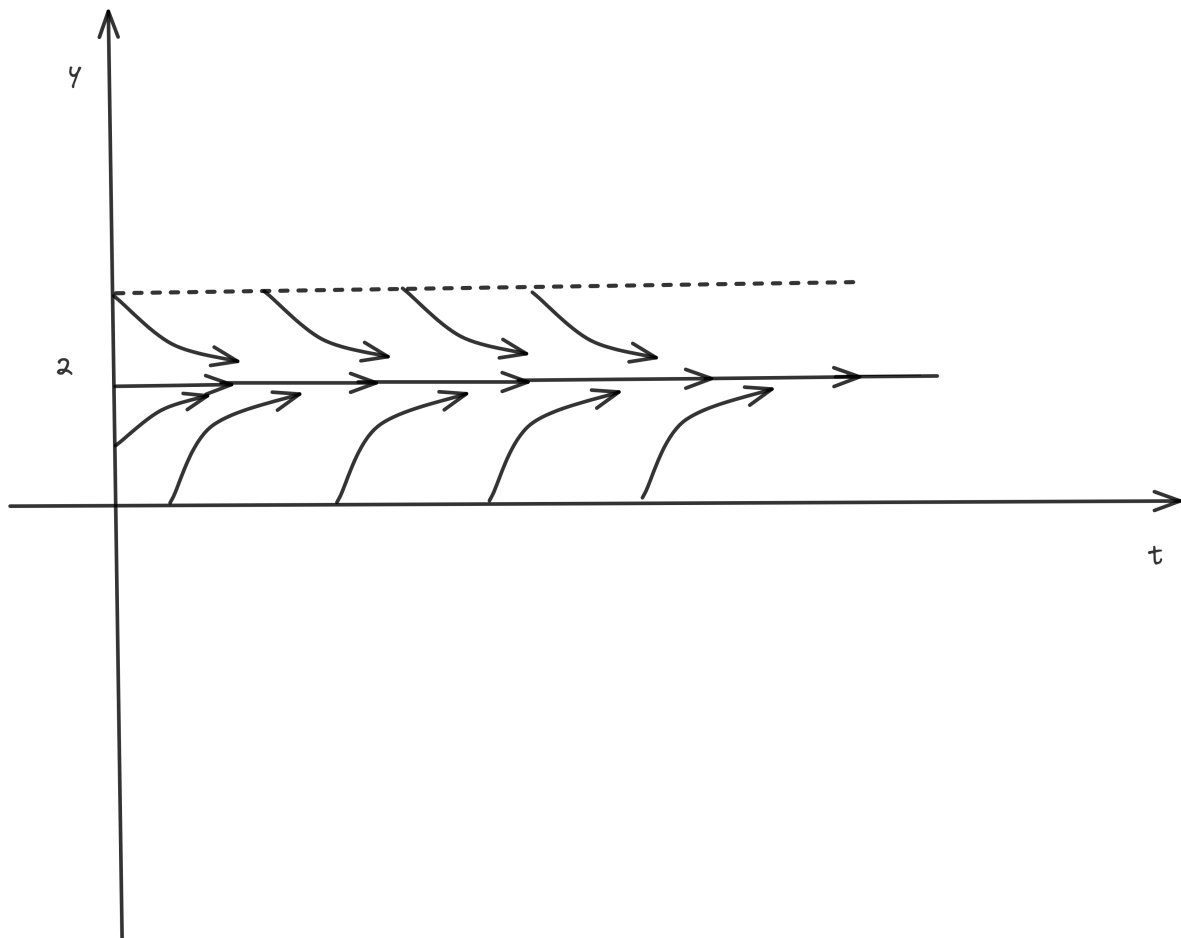


Pictures of Solutions

We are moved on into Chapter 3. Chapter 1 and 2 were about equations we could solve. Now we take any equation. And we will start with first order. First derivative is some function and not a linear function, so we don't expect a formula. A solution will exist. But we won't have a formula for the solution. But we can make a picture of the solution. You see what's happening as time goes on. And so that's this lecture, is a picture. So this function, whatever it is, gives the slope of y . And it will be the slope of the arrows that will be drawn in this picture. So here's a picture.



The middle line that other curves tend to is called **isocline**.