







Thus if we want to know how long it takes for the temperature on the rod to be less than 50C (so that we don't burn by holding it, for example), it is sufficient to look at the temperature on the midpoint because it is the hottest point of the rod. According to the previous plot it takes the system between 1000 and 2000 seconds for this to happen. Let us zoom in to find a better value:

> plot({u(25,t,50),50}, t=1000..2000);

