Lagrange Interpolating Polynomials

$$\ell_k(t) = \prod_{i \neq k} \frac{x_i - t}{x_i - x_k} \qquad \text{for} \qquad k = 1, \ldots, n.$$

```
julia> x=rand(5); scatter(x,zeros(5)); scatter!(x,ones(5))

julia> plot!(t->ellf(1,t),minimum(x)-0.01:0.01:maximum(x)+0.01)

julia> plot!(t->ellf(2,t),minimum(x)-0.01:0.01:maximum(x)+0.01)
```

