Computational Photography (CSCI 3240U) — In-class Exercise

Please hand in this paper to the instructor before the end of the lecture.

Lastname (PRINT):	_____	Firstname:	_____
Student number:	_____	Date:	_____

Q. Cubic Interpolation in 1D

Consider a discrete signal

$$y[0..5] = [3, 2, 0, 4, 3, 5]$$

Setup the cubic interpolant to compute $y[2.2]$ and $y[1.5]$.

Hint: you don't need to actually solve for the value; however, you are required to set up the equations that we an subsequently use to compute the value.