Exercise 2: simple disparity map estimation (without moves nor occlusion)

- Given 2 rectified images $I, I'$, estimate optimal disparity $d(p) = d_p$ for pixels $p = (u,v)$

- Setting: linear multi-label graph construction (cf. pp. 85-96)
  - discrete disparities: $d_p \in \mathcal{L} = \{d_{\text{min}}, \ldots, d_{\text{max}}\}$
  - $\mathcal{N}_p$: 4 neighbors of pixel $p$
  - $D_p(d_p) = w_{cc} \rho(E_{ZNCC}(P ; (d_p, 0)))$ with $\rho(c) = \begin{cases} 1 & \text{if } c < 0 \\ \sqrt{1 - c} & \text{if } c \geq 0 \end{cases}$
  - $V_{p,q}(d_p, d_q) = \lambda |d_p - d_q|$

☛ See material provided for the exercise on web site (template code and detailed exercise description)