$$E(l) = \sum_p D(p, l_p) + \lambda \sum_{p,q} V_{pq}(l_p, l_q) \text{ with } D(p, l_p) = (I_p - l_p)^2 \text{ and } V_{pq}(l_p, l_q) = [l_p \neq l_q]$$