

IMAGE SEGMENTATION USING MAX-FLOW



Problem: segment foreground and background



Segment by photoshop

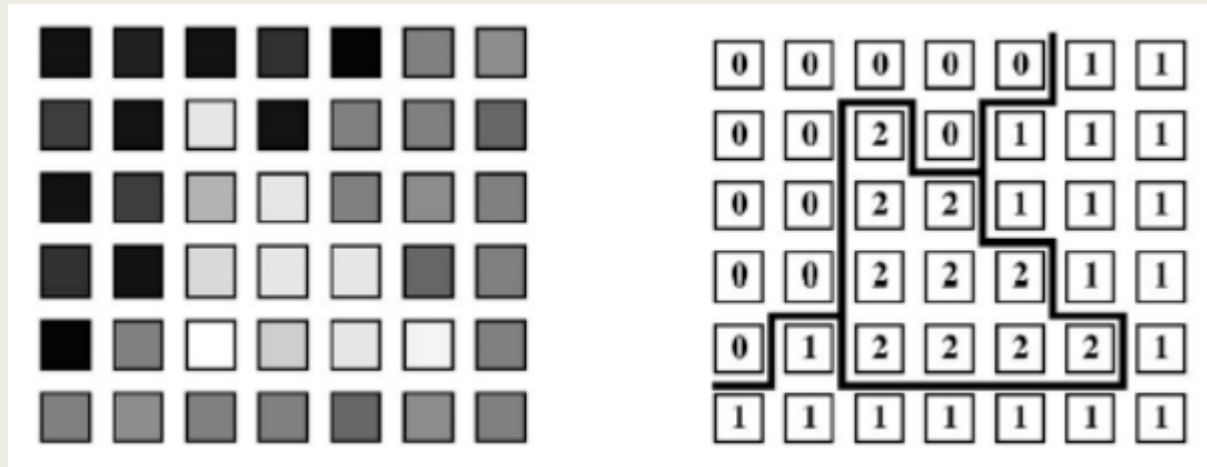
MAX-FLOW MIN-CUT Theorem

$$E(L) = \sum_{p \in P} D_p(L_p) + \sum_{(p,q) \in N} V_{p,q}(L_p, L_q)$$

L: Label Results

D_p: Data Penalties

V_{p,q}: Interaction Potentials



Project Design

- Language of algorithm: C/C++ and Python
- Implementation for image segmentation by Max flow algorithm
- Compare with other algorithm