$$\mathcal{J}(1,7)=\widetilde{\mathcal{J}}(1,7)-S$$

$$(h):V \to \mathbb{R}$$

$$\left[\widehat{w}(u,v)-w(u,v)+h(u)-h(v)\right]$$

$$p = \angle v_0 \dots v_k$$

$$\int (v_0, v_k) = w(p)$$

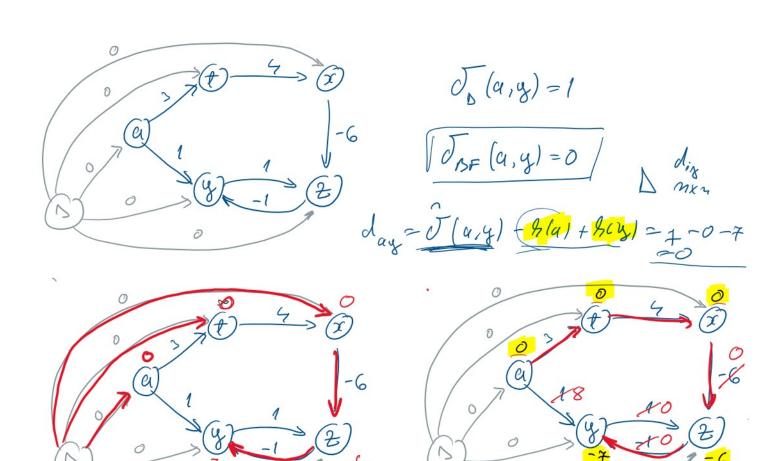
$$\int (v_0, v_k) = w(p)$$

$$V' = V \cup \{s\}$$

$$\widehat{W}(v,v) = W(v,v) + h(u) - h(v)$$

DIJKSTRA (G, W, U) => J(u, v)

$$d_{uv} = \delta(u,v) - h(u) + h(v)$$



$$\hat{w}(u,v) = w(u,v) + h(u) - h(v)$$

$$\hat{w}(a,t) = w(a,t) + h(u) - h(t) = 3 + 0 - 0 = 2$$

$$\hat{w}(x,z) = w(x,z) + h(x) - h(z) = -6 + 0 - (-6) = 0$$

$$\hat{w}(z,y) = \hat{w}(z,y) + h(z) - h(y) = -1 - 6 + 7 = 0$$

$$\hat{w}(y,z) = w(y,z) + h(y) - h(z) = 1 - 7 + 6 = 0$$

$$\hat{w}(u,y) = w(u,z) + h(u) + h(y) = 1 + 0 + 7 = 8$$