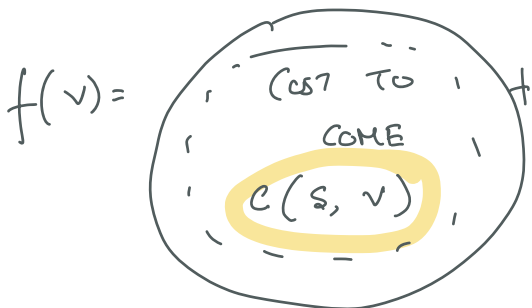


FRONTIER SET

v_1	$f(v_1)$
v_2	$f(v_2)$
v_3	$f(v_3)$

$$f: X \rightarrow \mathbb{R}$$



HEURISTIC

$$h(v, g)$$

LAZY APPROXIMATION

$$\hat{c}(s, v)$$

$$c(s, v) = \sum \text{dist}(s, n_i)$$

$$+ \sum_{\substack{\text{edges from} \\ s \text{ to } v}} M \cdot \mathbb{1}(\text{is edge valid})$$

