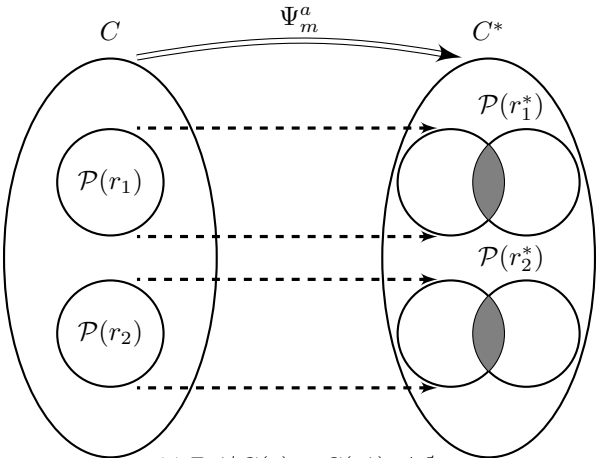


$$m = \{r | \mathcal{P}(r) \subseteq \mathcal{P}(p_i)\}$$



$$\forall r \exists r^* | C(r) \cap C(r^*) \neq \emptyset$$

$$a = \{r^* | \mathcal{P}(r) \cap \mathcal{P}(r^*)\} \neq \emptyset$$

