```
\lambda \in \Lambda
\lambda \in 
                                                                                                                                                                                                                                                             \min_{\substack{x \in X, y \\ s.t. \ G(x, y) \le 0 \\ y \in y \in Y \ f(x, y) \le 0}} F(x, y) = 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    upper level\\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         . lower level\\
                                                                                                                                                                                                                                                                           (1)
                                                                                                                                                                                                                                                             up-
per
outer
level
lower
                                                                                                                                                                                                                                 S_{x} = \{y \in \mathbb{N} \mid y \in \mathbb{N} \mid 
                                                                                                                                                                                                                                               R(\lambda) = \int \mathcal{L}(y, f_{\lambda}(x)) dP(x, y).
(2) \underset{f_{\lambda}}{\underbrace{f_{\lambda}} :_{n}^{2}} \xrightarrow{f_{\lambda}} \underset{f_{\overline{\lambda}}}{\underbrace{f(x, y)}}
```