$x \in \mathbb{R}^{d_{in}} \longrightarrow \qquad \longrightarrow y = \langle \phi_\Theta(x), v_\Theta \rangle$

$\phi_\Theta(x)$ : **Neural Path Feature**    $v_\Theta$ : **Neural Path Value**

🔴 **active/on gate** ⚫ **inactive/off gate** — **active path** — **inactive path**