$$-2\eta \leq r - d(x,y) \leq -g'(-\eta)$$

$$x \xrightarrow{\phi_s g'} g'(\eta)$$

$$-\eta \leq r - d(x,y) \leq 0$$

$$x \xrightarrow{\phi_s g'} g'(\eta)$$

$$0 \leq r - d(x,y) \leq \eta$$

$$x \xrightarrow{\phi_s g'} g'(\eta)$$

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