

$$= \sum_{g_i(x)g_i(x') \geq 0} |g_i(x)g_i(x')| + \sum_{g_i(x)g_i(x') < 0} |g_i(x)g_i(x')| - 2 \cdot \sum_{g_i(x)g_i(x') < 0} |g_i(x)g_i(x')|$$