Why Mapping Reducibility Matters

If this one is "easy"
(R, RE, co-RE)...

$$A \leq_{\mathrm{M}} B$$

... then this one is "easy" (R, RE, co-RE) too.

Why Mapping Reducibility Matters

If this one is "hard" (not **R**, not **RE**, or not co-**RE**)...

$$A \leq_M B$$

... then this one is "hard" (not **R**, not **RE**, or not co-**RE**) too.