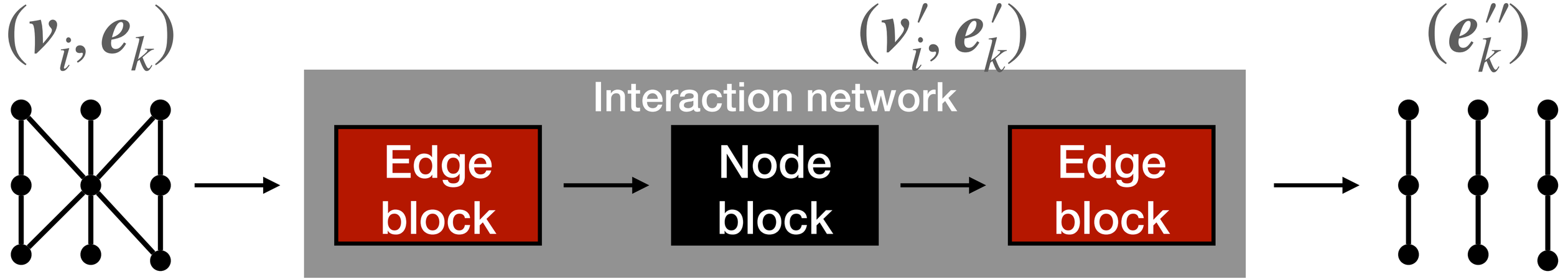

$$e'_k = \phi_2^e(e_k, v_{r_k}, v_{s_k})$$

$$\bar{e}'_i = \rho^{e\to v}(E_i)$$

$$v'_i = \phi_2^v(\bar{e}'_i, v_i)$$

$$e''_k = \phi_2^e(e'_k, v'_{r_k}, v'_{s_k})$$