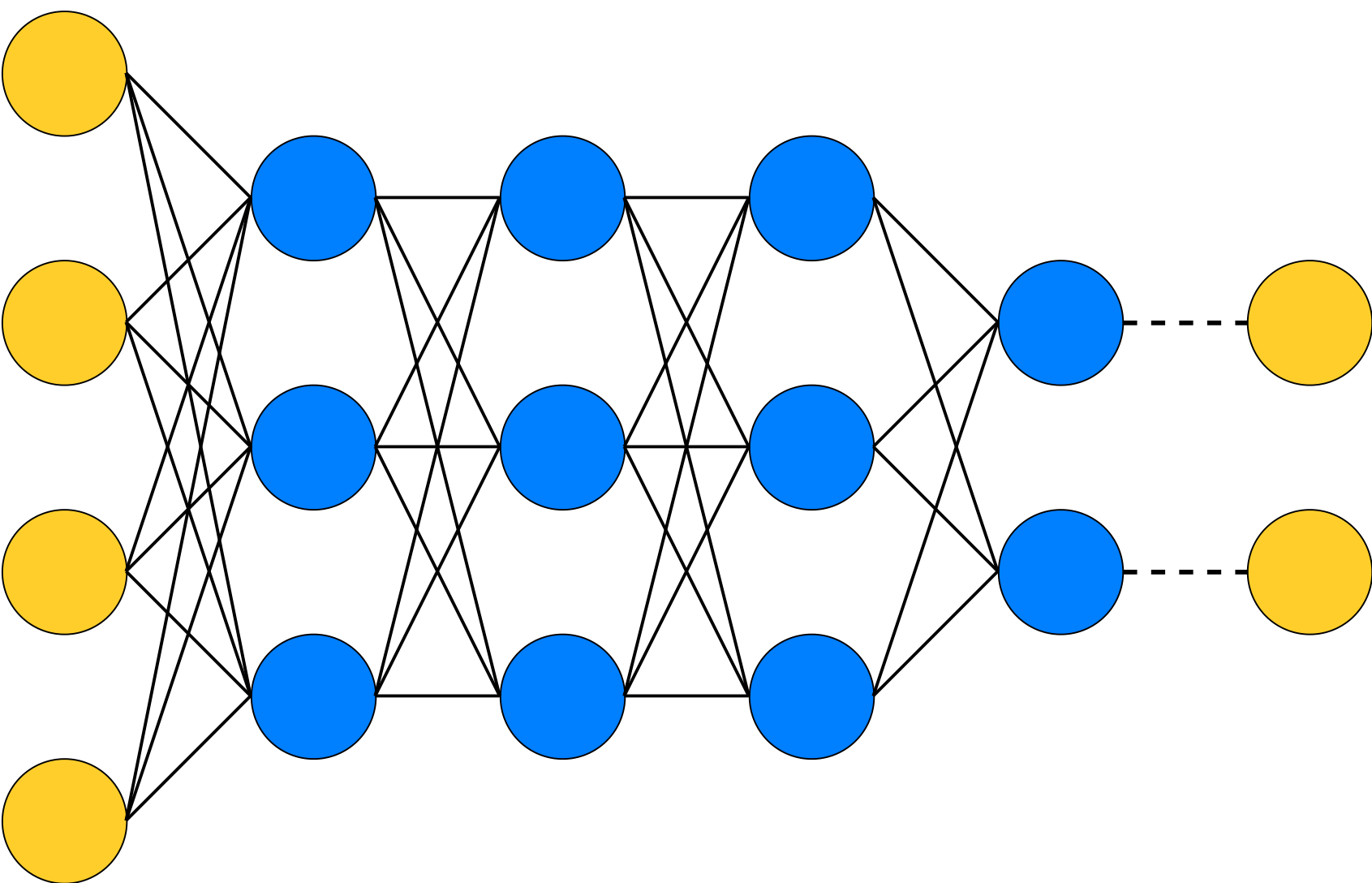


Multilayer feedforward (MLFF) topology

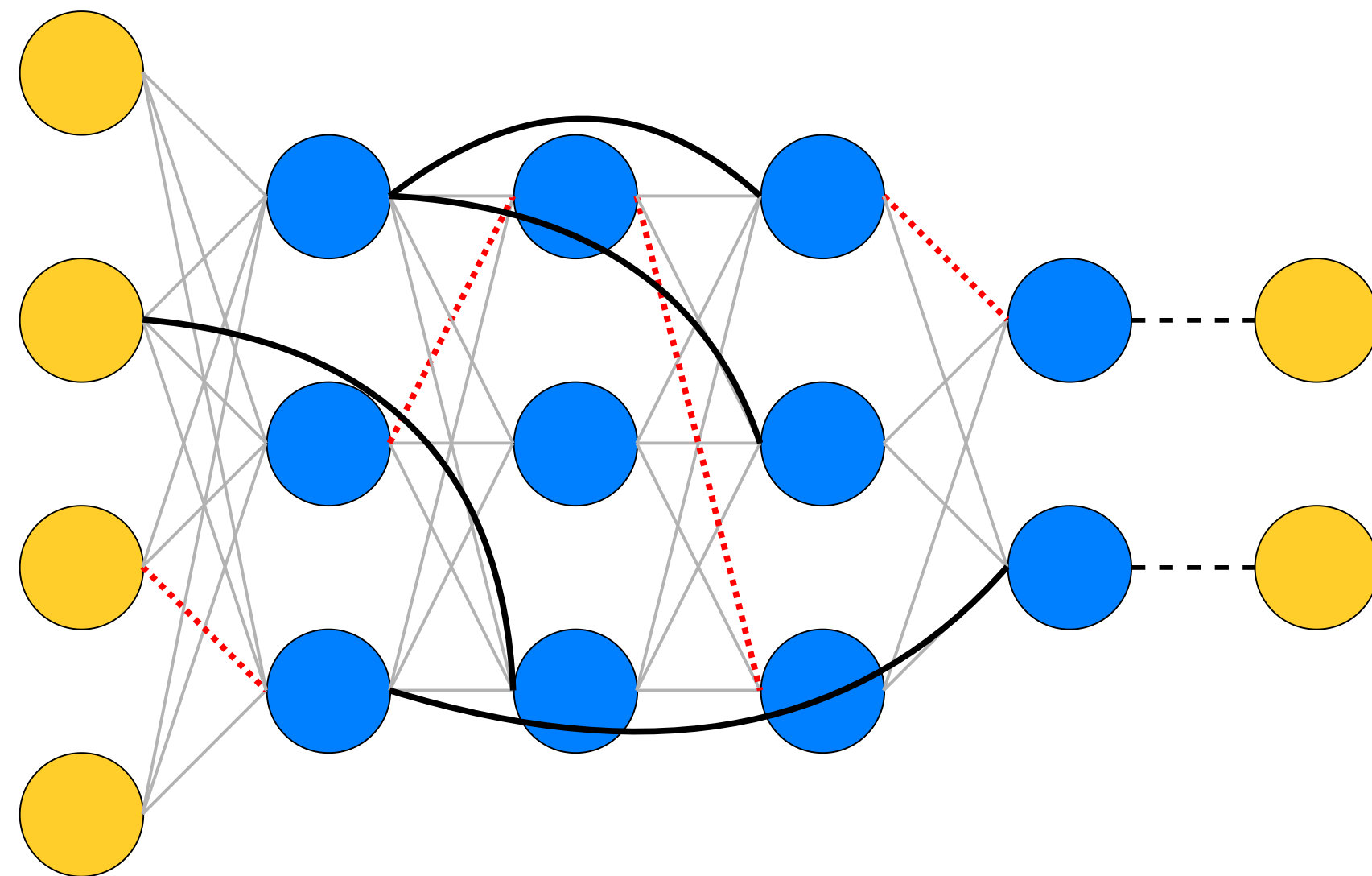
input H1 H2 H3 output target



$$\alpha_1 = .128 \quad \alpha_2 = .032 \quad \alpha_3 = .008 \quad \alpha_4 = .002$$

Our modified small-world inspired (SW) topology

input H1 H2 H3 output target



$$\alpha_1 = .02 \quad \alpha_2 = .02 \quad \alpha_3 = .02 \quad \alpha_4 = .02$$