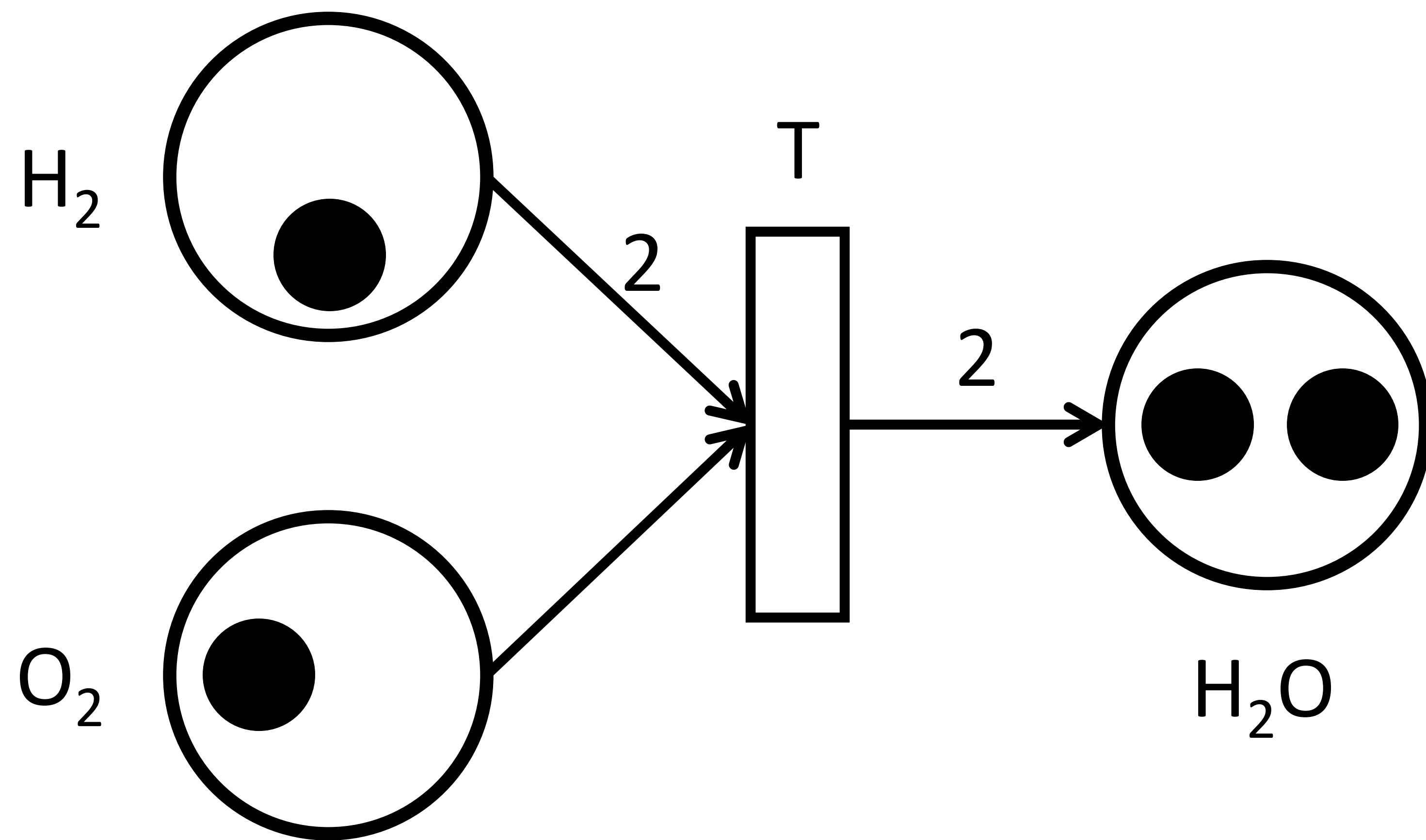(a) Petri net before firing

(b) Petri net after firing