PoP Correspondence Problem,
the issue of undecidability.

→ Some situation in which outcome of game is undecidable.

→ Solving domino problem.

- Oracles: instance of a problem with similar characteristics.

- certifies an optimal solution for an oracle's instance.

- problem are infinite, programming are finite.

- Turing Machine: 7 tuples.

$$M = \{Q, \Sigma, \Gamma, \delta, q_0, F, B\}$$

- There are many problems that are simple but computer can't solve.

- PCP has more than 20 variants which one are proved to be undecidable.

- The limitation of computer is evident in such case.