

Super Mario

kuko

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Pokročilá teória zložitosti

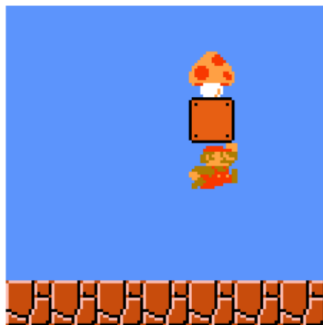


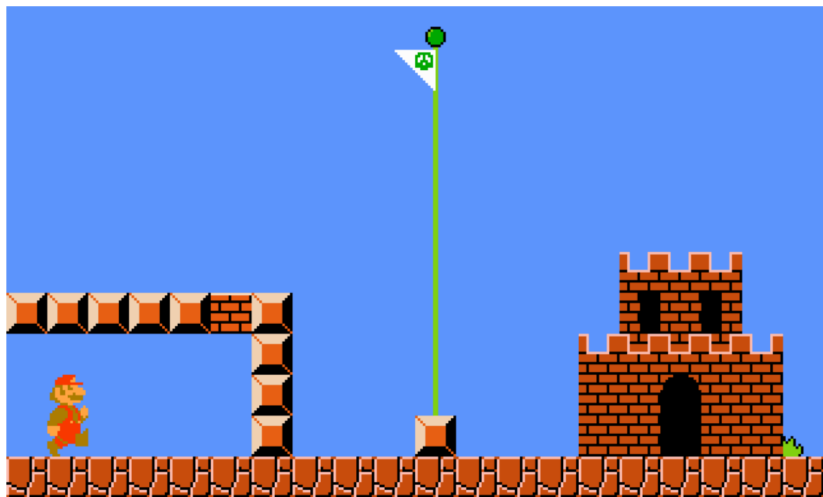
Veta

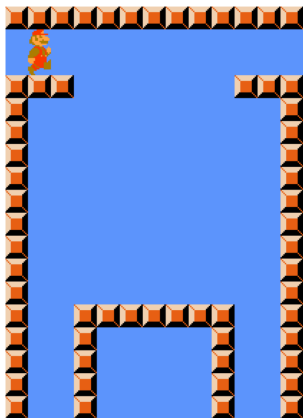
Zistiť, či sa dá level Super Maria vyhrať je NP-ťažké.

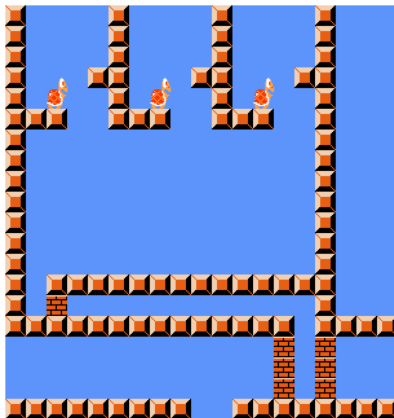
■ **Dôkaz.** Redukcia SAT \rightarrow SUPERMARIO.

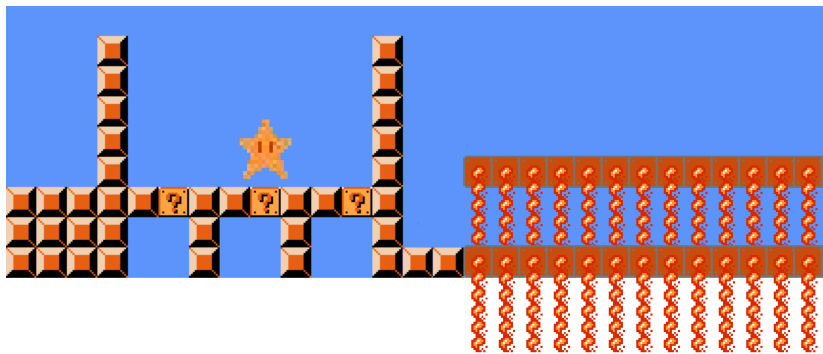


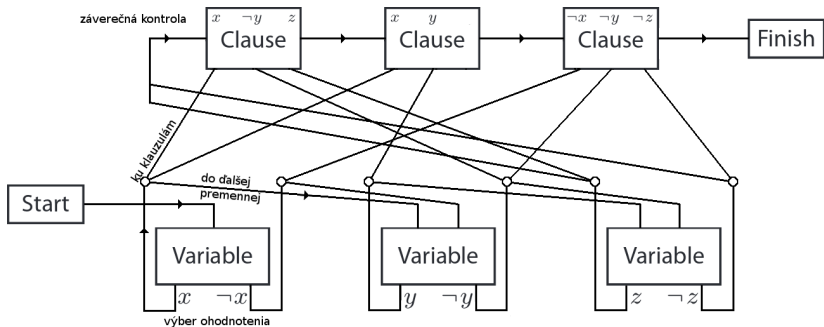






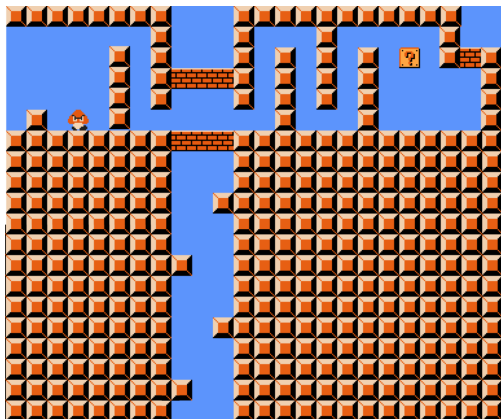






$$(x \vee \neg y \vee z) \wedge (x \vee y) \wedge (\neg x \vee \neg y \vee \neg z)$$





Veta

Zistiť, či sa dá level Super Maria vyhrať je NP-ťažké.

■ **Dôkaz.** Redukcia SAT \rightarrow SUPERMARIO. □

- patrí do NP?