

Tarski World - Exercício extra

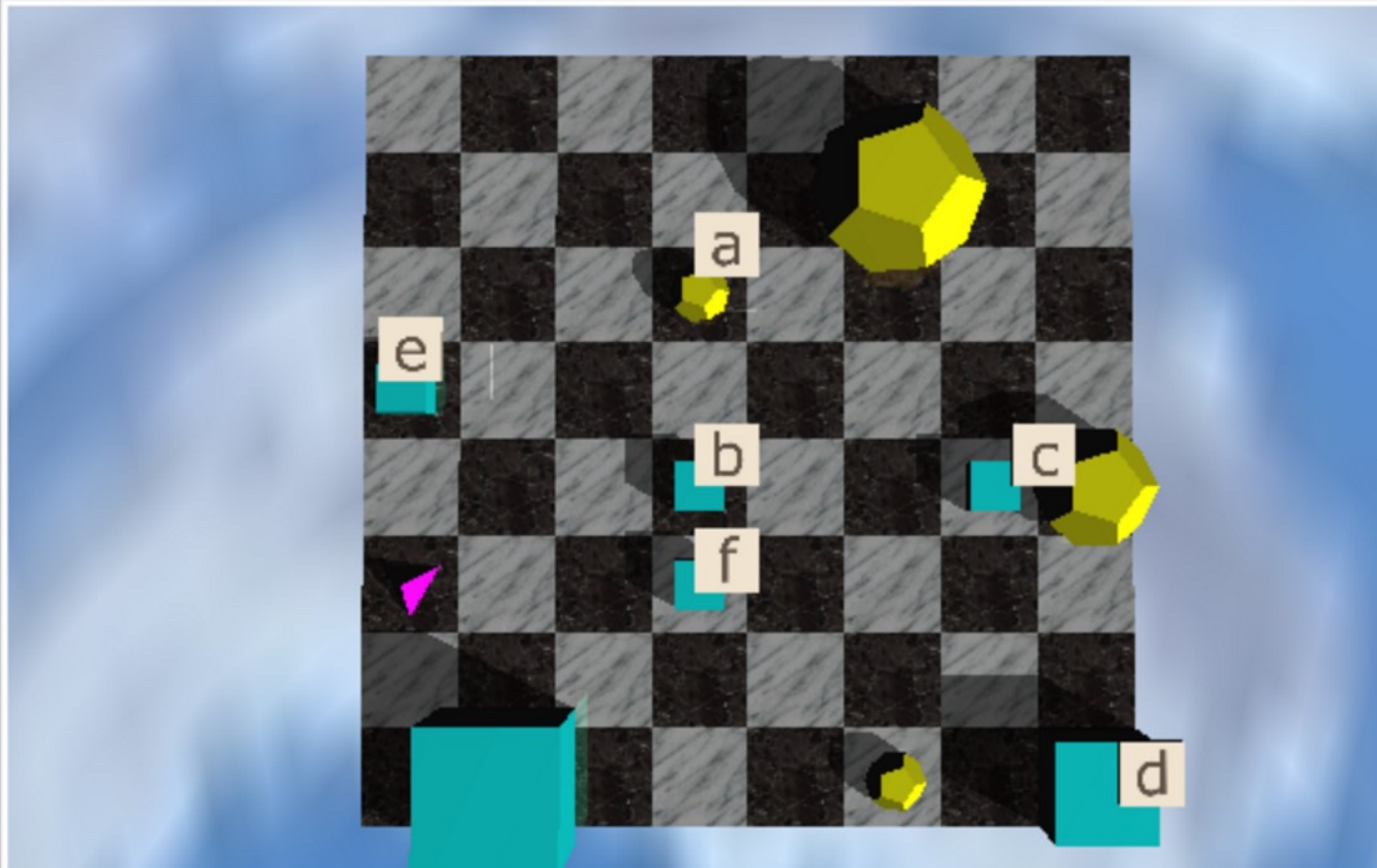
File Edit Sentence World Help

Exemplo1_World_A .wld ✕ Exemplo1_World_B .wld



Exemplo1 .sen ✕

1. $\forall x \exists y ((x \neq y \wedge \neg \text{SameShape}(x, y)) \rightarrow \text{RightOf}(x, y))$
2. $\exists x \forall y (x \neq y \rightarrow \text{RightOf}(y, x))$
3. $\exists x (\text{Cube}(x) \wedge \forall y (\text{Tet}(y) \rightarrow \exists z (\text{Smaller}(x, z) \wedge \text{RightOf}(z, y))))$
4. $\forall x \exists y (x \neq y \wedge (\text{SameShape}(x, y) \vee \text{LeftOf}(y, x)))$
5. $\exists x (\text{Cube}(x) \wedge \forall y (\text{Tet}(y) \rightarrow \exists z (\text{LeftOf}(y, z) \wedge \text{Larger}(z, x))))$

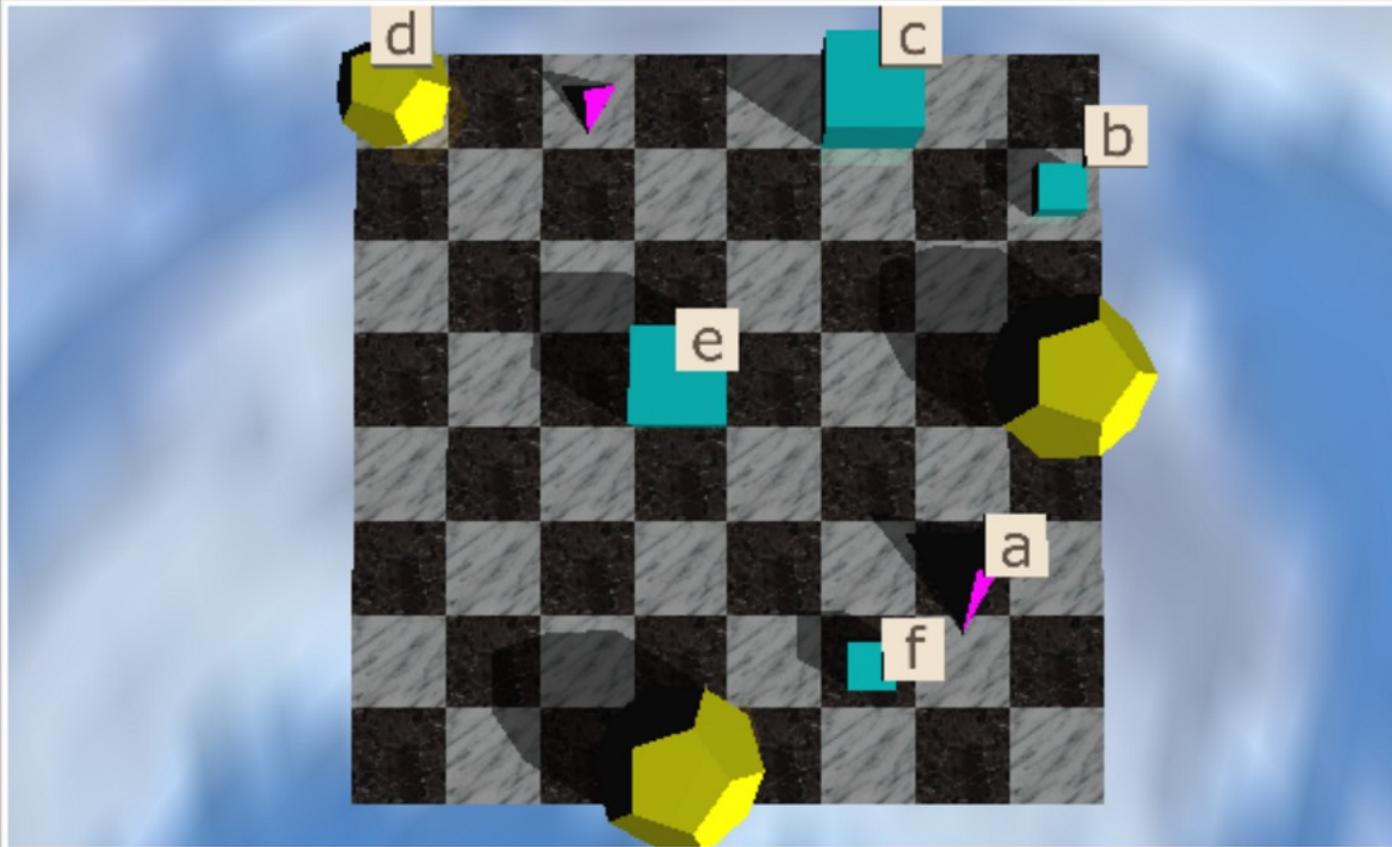


1. $\forall x \exists y ((x \neq y \wedge \neg \text{SameShape}(x, y)) \rightarrow \text{RightOf}(x, y))$
2. $\exists x \forall y (x \neq y \rightarrow \text{RightOf}(y, x))$
3. $\exists x (\text{Cube}(x) \wedge \forall y (\text{Tet}(y) \rightarrow \exists z (\text{Smaller}(x, z) \wedge \text{RightOf}(z, y))))$
4. $\forall x \exists y (x \neq y \wedge (\text{SameShape}(x, y) \vee \text{LeftOf}(y, x)))$
5. $\exists x (\text{Cube}(x) \wedge \forall y (\text{Tet}(y) \rightarrow \exists z (\text{LeftOf}(y, z) \wedge \text{Larger}(z, x))))$

Com solução :

Exemplo1_World_A .wld

Exemplo1_World_B .wld



Exemplo1.sen

T 1. $\forall x \exists y ((x \neq y \wedge \neg \text{SameShape}(x, y)) \rightarrow \text{RightOf}(x, y))$

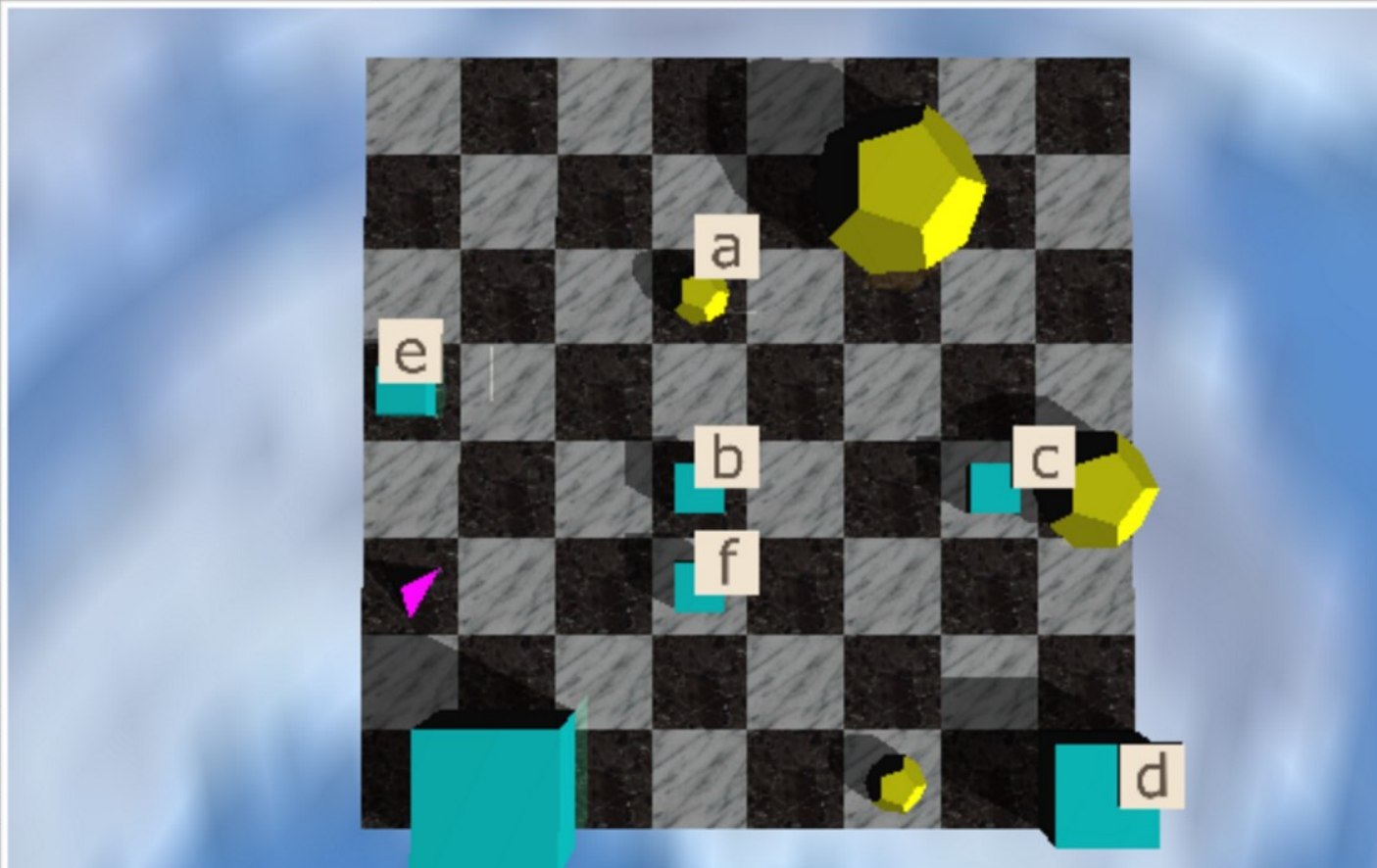
T 2. $\exists x \forall y (x \neq y \rightarrow \text{RightOf}(y, x))$

T 3. $\exists x (\text{Cube}(x) \wedge \forall y (\text{Tet}(y) \rightarrow \exists z (\text{Smaller}(x, z) \wedge \text{RightOf}(z, y))))$

T 4. $\forall x \exists y (x \neq y \wedge (\text{SameShape}(x, y) \vee \text{LeftOf}(y, x)))$

T 5. $\exists x (\text{Cube}(x) \wedge \forall y (\text{Tet}(y) \rightarrow \exists z (\text{LeftOf}(y, z) \wedge \text{Larger}(z, x))))$

Exemplo1_World_A .wld

Exemplo1_World_B .wld ✕Exemplo1.sen ✕

T 1. $\forall x \exists y ((x \neq y \wedge \neg \text{SameShape}(x, y)) \rightarrow \text{RightOf}(x, y))$

F 2. $\exists x \forall y (x \neq y \rightarrow \text{RightOf}(y, x))$

T 3. $\exists x (\text{Cube}(x) \wedge \forall y (\text{Tet}(y) \rightarrow \exists z (\text{Smaller}(x, z) \wedge \text{RightOf}(z, y))))$

F 4. $\forall x \exists y (x \neq y \wedge (\text{SameShape}(x, y) \vee \text{LeftOf}(y, x)))$

T 5. $\exists x (\text{Cube}(x) \wedge \forall y (\text{Tet}(y) \rightarrow \exists z (\text{LeftOf}(y, z) \wedge \text{Larger}(z, x))))$