stadiumoreventvenue united center $\xrightarrow{\text{TEAMHOMESTADIUM}^{-1}}$ sportsteam chicago bulls $\xrightarrow{\text{TEAMHOMESTADIUM}^{-1}}$ stadiumoreventvenue united center, $(V(s_T) = 0.383, \text{False})$ b) coach andrew brunette $\xrightarrow{\text{ATHLETEPLAYSFORTEAM}}$ sportsteam blackhawks $\xrightarrow{\text{ATHLETEPLAYSFORTEAM}^{-1}}$ athlete rich hill

a) coach andrew brunette $\xrightarrow{\text{ATHLETEPLAYSFORTEAM}}$ sportsteam blackhawks $\xrightarrow{\text{ATLOCATION}}$ county chicago $\xrightarrow{\text{ATLOCATION}^{-1}}$

 $\xrightarrow{\text{ATHLETEPLAYSFORTEAM}} \text{ sportsteam blackhawks} \xrightarrow{\text{TEAMHOMESTADIUM}} \text{ stadiumoreventvenue wrigley field, } (V(s_T) = 0.909, \text{ True})$ ii) Search over multiple paths to the target entity: ceo evan williams $\xrightarrow{\text{PERSONLEADSORGANIZATION}}?$

(i) Search different paths after a dead end: coach andrew brunette ATHLETEHOMESTADIUM?

stadiumoreventvenue orchestra hall $\xrightarrow{\text{ATLOCATION}}$ county chicago $\xrightarrow{\text{STADIUMLOCATEDINCITY}^{-1}}$

a) ceo evan williams $\xrightarrow{\text{WORKSFOR}}$ company twitter, $(V(s_T)$ =0.917, True)

b) ceo evan williams $\xrightarrow{\text{WORKSFOR}}$ company twitter $\xrightarrow{\text{ORGANIZATIONTERMINATEDPERSON}}$ ceo jack dorsey $\xrightarrow{\text{CEOOF}}$ company twitter, $(V(s_T)=0.869, \text{True})$

iii) worksfor \iff organizationhiredperson⁻¹: ceo garo h armen $\xrightarrow{\text{WORKSFOR}}$?

ceo garo h armen $\xrightarrow{\text{ORGANIZATIONHIREDPERSON}^{-1}}$ biotechcompany antigenics inc. $(V(s_T)=0.935, \text{True})$