

$$t_1 \wedge t_5$$

$$\vdots$$

$$\vdots$$

$$q_1 \leftarrow (t_1 \wedge t_5)$$

$$\vdots$$

$$\vdots$$

$$\neg t_2 \vee t_4$$

$$\textcircled{q_2} \leftarrow (\neg t_2 \vee t_4)$$

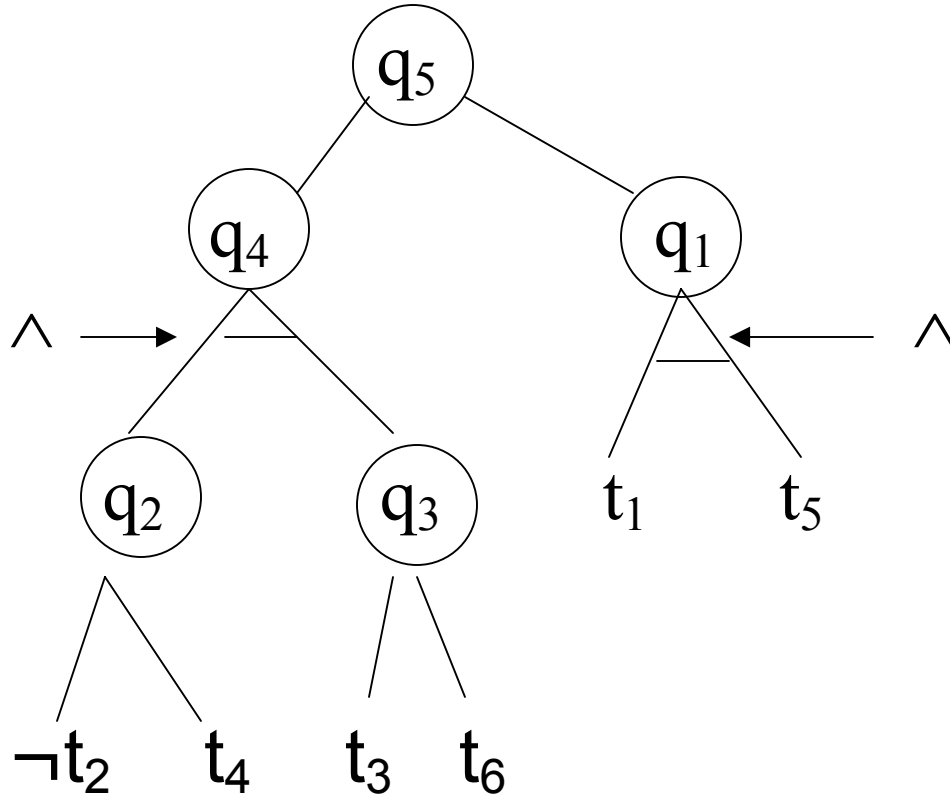
$$t_3 \vee t_6$$

$$\textcircled{q_3} \leftarrow (\neg t_3 \vee t_6)$$

$$q_4 \leftarrow q_2 \wedge q_3$$

$$q_5 \leftarrow \textcircled{q_4 \wedge q_1}$$

AND/OR



$$q_4 \rightarrow q_5$$

$$q_1 \rightarrow q_5$$

$$t_1 \& t_5 \rightarrow q_1$$

$$t_3 \rightarrow q_3$$

$$t_6 \rightarrow q_3$$

$$q_2 \& q_3 \rightarrow q_4$$

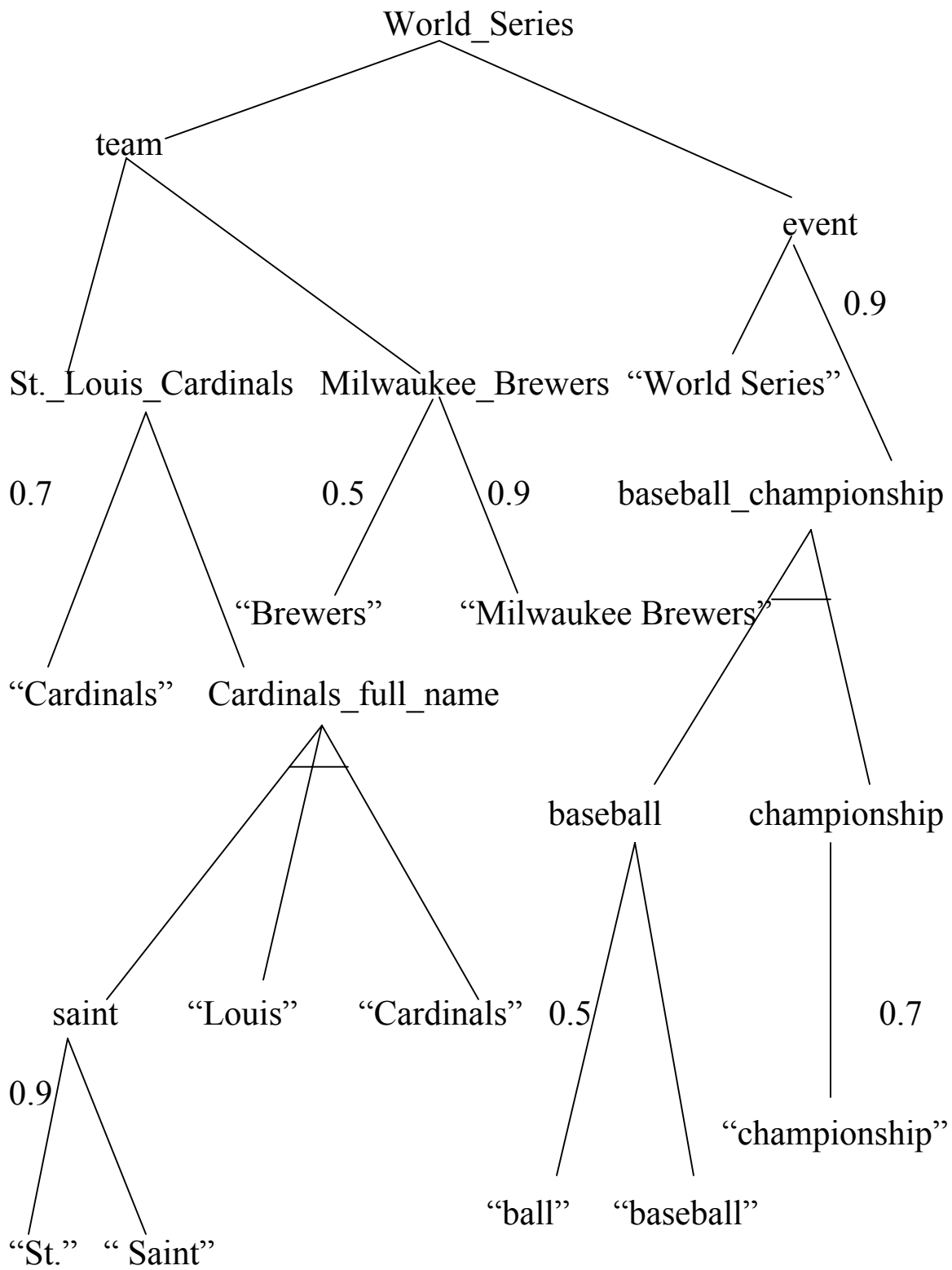
$$\neg t_2 \rightarrow q_2$$

$$t_4 \rightarrow q_2$$

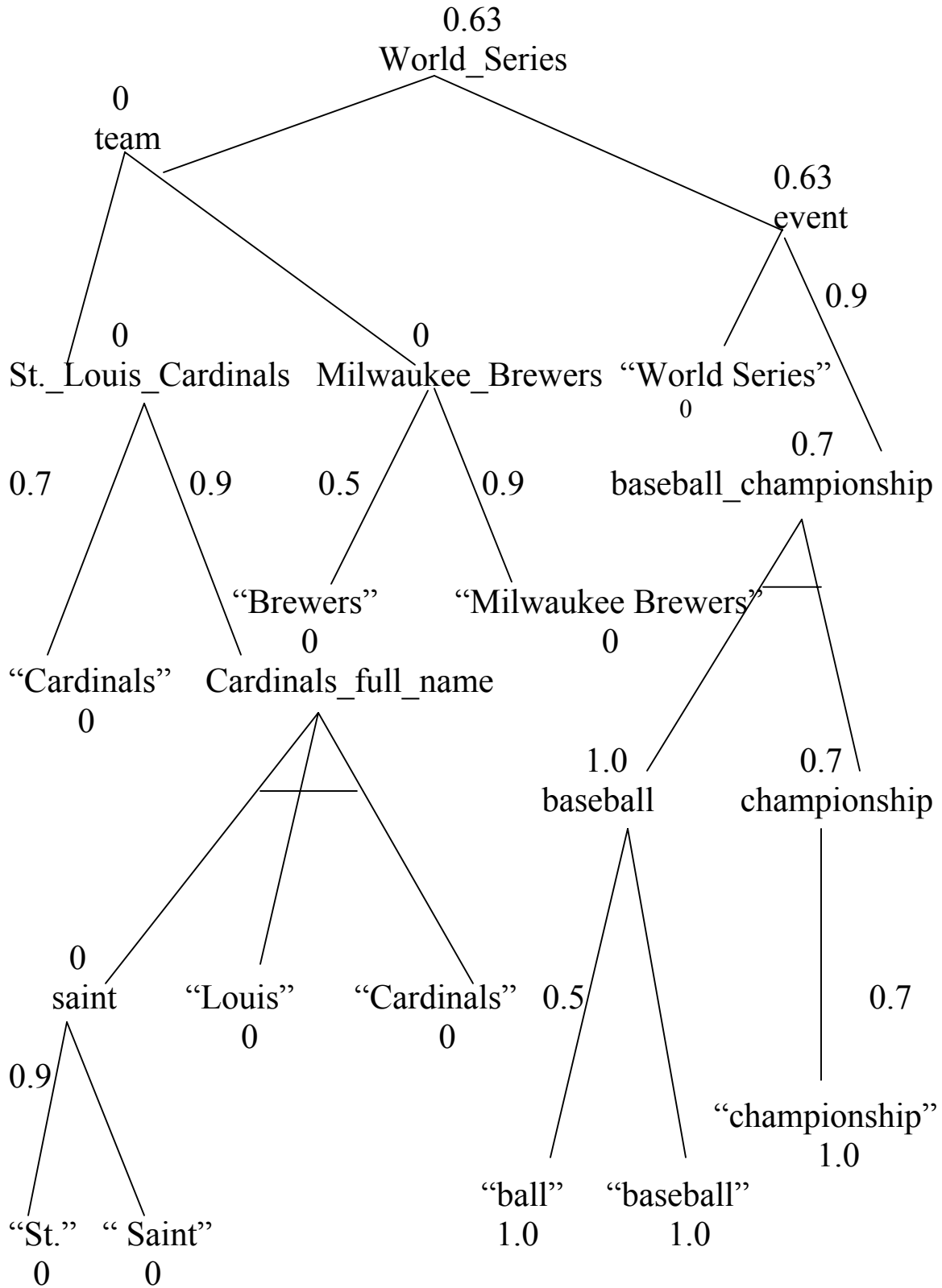
Rules

1. team / event → World_Series
2. St._Louis_Cardinals / Milwaukee_Brewers
→ team
3. “Cardinals” → St._Louis_Cardinals (0.7)
4. Cardianls_full_name →
St._Louis_Cardinals (0.9)
5. Saint & “Louis” & “Cardinals” →
Cardinals_full_name
6. “St.” → saint (0.9)
7. “Saint” → saint
8. “Brewers” → Milwaukee_Brewers (0.5)
9. “Milwaukee Brewers” →
Milwaukee_Brewers (0.9)
10. “World Series” → event
11. baseball_championship →
baseball_championship
12. baseball & championship →
baseball_championship
13. “ball” → baseball (0.5)
14. “baseball” → baseball
15. “championship” → championship (0.7)

RULE BASE for (1982) World_Series



THE RULE BASE in a tree structure



Document: (“ball”, “baseball”, “Championship”)
 THE RULE BASE in a tree structure

Query: (World_Series)

Document	RSV
“ World Series”	1.0
“Saint”, “Louis”, “Cardinals”	0.9 ←
“Milwaukee Brewers”	0.9
“St.”, “Louis”, “Cardinals”	0.81
“Cardinals”	0.7
→“baseball”, “championship”	0.63
“Brewers”	0.5
→“Ball”, “championship”	0.45
others	0.0

Minimal Term Sets (MTS)