

Appendix B

| Sub-modular | Dev | Test |
|-------------------|------|------|
| select-column | 98.5 | 98.3 |
| select-aggregator | 91.5 | 91.1 |
| where-column | 94.9 | 95.1 |
| where-operator | 98.0 | 97.9 |
| where-value | 97.0 | 97.1 |

Table 1: Breakdown result of Logical Form accuracy under WikiSQL dev set

| Question ID | Category | Description |
|-------------|---|--|
| 4842 | Question Table ID Table schema Ground truth query Predicted query Ground truth result Predicted result Error | How many people are in the crowd in south melbourne ? 2-10775038-12 [”Home team”, ”Home team score”, ”Away team”, ”Away team score”, ”Venue”, ”Crowd”, ”Date”] SELECT COUNT(Crowd) FROM (2-10775038-12) WHERE (Home team) == (south melbourne) SELECT (Crowd) FROM (2-10775038-12) WHERE (Home team) == (south melbourne) 1 40,000 Ground truth error |
| 3509 | Question Table ID Table schema Ground truth query Predicted query Ground truth result Predicted result Error | How many times is the ends lost 49 ? 1-26209210-2 [”Locale”, ”Skip”, ”W”, ”L”, ”PF”, ”PA”, ”Ends Won”, ”Ends Lost”, ”Blank Ends”, ”Stolen Ends”, ”Shot Pct.”] SELECT COUNT(L) FROM (1-26209210-2) WHERE (Ends Lost) == (49) SELECT COUNT(W) FROM (1-26209210-2) WHERE (Ends Lost) == (49) 1 1 Ambiguous question and schema |
| 15448 | Question Table ID Table schema Ground truth query Predicted query Ground truth result Predicted result Error | What is the Left Office of cabinet secretary for culture and external affairs named ? 2-12441599-1 [”Name”, ”Entered Office”, ”Left Office”, ”Party”, ”First Minister”] SELECT (Name) FROM (2-12441599-1) WHERE (Left Office) == (cabinet secretary for culture and external affairs) SELECT (Left Office) FROM (1-26209210-2) WHERE (Name) == (cabinet secretary for culture and external affairs) 1 1 Prediction error (column prediction failed) |

Table 2: Examples of mismatched predictions

Appendix C

| Category | Description |
|-------------------|-------------------|
| Machine instance | Azure DSVM NC6s |
| Core | 6 |
| RAM | 112GB |
| GPU | V100 (single GPU) |
| Inference samples | 15,870 |

Table 3: System configuration