2. (a)

| stack | buffer | new dependency | transition |
| --- | --- | --- | --- |
| [ROOT] | [I, parsed, this, sentence, correctly] | | Initial Configuration |
| [ROOT, I] | [parsed, this, sentence, correctly] | | SHIFT |
| [ROOT, I, parsed] | [this, sentence, correctly] | | SHIFT |
| [ROOT, parsed] | [this, sentence, correctly] | parsed →I | LEFT-ARC |
| [ROOT, parsed, this] | [sentence, correctly] | | SHIFT |
| [ROOT, parsed, this, sentence] | [correctly] | | SHIFT |
| [ROOT, parsed, sentence] | [correctly] | sentence →this | LEFT-ARC |
| [ROOT, parsed] | [correctly] | parsed →sentence | RIGHT-ARC |
| [ROOT, parsed, correctly] | [] | | SHIFT |
| [ROOT, parsed] | [] | parsed →correctly | RIGHT-ARC |
| [ROOT] | [] | ROOT →parsed | RIGHT-ARC |