## Start

## **Michael Austin** CS 310 $S_0$ Unit 1: FSA for Lexer OPEN\_PAREN $S_1$ $S_2$ CLOSE\_PARE S₃ ASSIGNMENT S<sub>4</sub> END\_TEST $S_5$ END\_BOOL TRUE\_LITERAL $S_6$ S<sub>7</sub> FALSE\_LITERAL CONJUNCTION $S_9$ NEGATION $S_{10}$ DISJUNCTION S<sub>14</sub> BEGIN\_TEST S<sub>12</sub> S<sub>13</sub> S<sub>11</sub> e or E→ s or S→ -t orT-S<sub>15</sub> S<sub>17</sub> S<sub>16</sub> −b or B<del>→</del> o or O→ o or O→ l or L S<sub>18</sub> BEGIN\_BOOL S<sub>20</sub> S<sub>19</sub> S<sub>21</sub> **EQUIVALENCE** S<sub>22</sub> ${\rm S}_{23}\\ {\rm IMPLICATION}$