THE WORKING OF THE ALGORITHMS

BOARD

STARTBUTTONSTART ONCLICK PRESSED? — No → **PLEASE SELECT AN ALGORITHM TO EXECUTE**

Yes ↓

ALGORITHM SELECTED IS BIRDIRECTIONAL? — No → **ALGORITHM SELECTED IS ASTAR ALGORITHM?** — No → **ALGORITHM SELECTED IS UNWEIGHTED SEARCH ALGORITHM?** — No → **ALGORITHM SELECTED IS WEIGHTED SEARCH ALGORITHM?**

Yes ↓ | Yes ↓ | Yes ↓ | Yes ↓

CALLS BIDIRECTIONAL ALGORITHM | **CALLS ASTAR SEARCH ALGORITHM** | **CALLS UNWEIGHTED SEARCH ALGORITHM** | **CALLS WEIGHTED SEARCH ALGORITHM**

HOW THE ALGORITHMS WORK INTERNALLY

- **UPDATE NEIGHBORS**
- **GET NEIGHBORS**
- **UPDATE NODES**
- **GET DISTANCE**

LAUNCH ANIMATIONS