**TAD – Graph**

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| TAD Graph |
| G = (V, E) |
| Invariant:   * (Vi , Vj) 🡪 (i j) = An already existing vertex can’t be added. |
| Operations:   * Graph 🡪 Graph * addVertex Graph x vertex 🡪 boolean * addEdge Graph x int x element x element 🡪 boolean * searchVertex Graph x value 🡪 element * searchEdge Graph x value x value2 🡪 element * BFS Graph x index 🡪 element * DFS Graph 🡪 int * DFS Graph x element 🡪 void * dijkstra Graph x element 🡪 Integer[] * floydWarshall Graph 🡪 int[][] * prim Graph 🡪void * kruskal Graph x Arraylist<Integer[]> x Arraylist<Integer[]> 🡪 Arraylist<Integer[]> |