



**BlueRule:** traverses `MyVertexList` linearly and compares *Inserted* vertex against all vertices in the list. Finds the vertex with either minimum distance from *Inserted* vertex or with the minimum distance recorded so far for that vertex and returns it out of `BlueRule()` to be the next *Inserted* vertex. For all vertices algorithm records the minimum discovered distances.

```
if (distance(Inserted, vertex) < min_dist) {  
    min_dist = distance(Inserted, vertex);  
    ret = vertex  
    vertex.min_dist = min_dist;  
}
```