```
int P = 2;
int L_{count} = 3;
int K_count = 3;
range P_num = 1..P;
range Locations = 1..L count;
range ReferencePoints = 1..K_count;
float L[Locations][1..2] = [[2,6],[1,2],[3,3]];
float K[P_num][ReferencePoints][1..2] = [[[2,5.3],[1,2],[]], [[2,3], [],[]]];
int x[Locations] = [0, 0, 0];
dvar boolean xy[P_num][Locations];
dvar float+ total_distance;
minimize total_distance;
subject to {
  sum(p in P_num, i in Locations) xy[p][i] == P;
  forall(p in P_num) {
     sum(i in Locations) xy[p][i] == 1;
  }
  forall(i in Locations) {
     sum(p in P_num) xy[p][i] <= 1;
  }
  total_distance == sum(p in P_num, i in Locations, j in ReferencePoints) (xy[p][i] * pow(pow(L[i][1] -
K[p][j][1], 2) + pow(L[i][2] - K[p][j][2], 2), 0.5));
execute DISPLAY {
  for (i in Locations) {
     for (p in P_num) {
        if (xyz[p][i] == 1) {
          x[i] = 1;
        }
     }
  }
  writeln("Minimalna suma odległości: ", total_distance);
  write("Wybrane lokacje: ");
  for (i in Locations) {
     write(x[i], " ");
  }
}
```