## Algorithm 1 Sensor Selection Algorithm

- 1: Initialize sensor set S, neighbor table N;
- 2: calculate the distance of every pair of neighbors and sort in ascending order.

```
3: for i=1:\lambda do
4:
5: end for
6: for j=1:\mu do
7: R:=R\cup(1+j*\lambda);
```

## 8: end for

## Algorithm 2 Sensor Mapping Algorithm

```
1: ;

2: for i = 1 : \lambda do

3: R := R \cup i;

4: end for

5: for j = 1 : \mu do

6: R := R \cup (1 + j * \lambda);

7: end for
```

## Algorithm 3 Logical Routing Algorithm

```
1: ;

2: for i = 1 : \lambda do

3: R := R \cup i;

4: end for

5: for j = 1 : \mu do

6: R := R \cup (1 + j * \lambda);

7: end for
```