```
while (!found&&!informed) {
    Tuple t = query( gpsTemplate , Self.SELF );
    x = t.getDoubleAt(1);
    y = t.getDoubleAt(2);
    if ((x==0)||(y==0)||(x==maxX)||(y==maxY)) {
    put( new Tuple( "DIR" , r.nextDouble()*2*Math.PI ) ,  Self.SELF );
    t = query( targetTemplate , Self.SELF );
    found =  t.getBooleanAt(1);
    t = query( informedTemplate , Self.SELF );
    informed = t.getBooleanAt(1);
}
```