(a)

Assumptions: I assume that unknown terrain (?) is passable.

Map with Path:

```
S  *  *  ?  .  #  .  G
#  #  *  #  .  ?  .  *
.  .  *  *  #  *  *  *
.  #  ?  *  ?  *  #  #
.  .  #  *  *  *  ?  .
```

coords: (0,1)->(0,2)->(1,2)->(2,2)->(2,3)->(3,3)->(4,3)->(4,4)
->(4,5)->(3,5)->(2,5)->(2,6)->(2,7)->(1,7)->(0,7)

(b)

Assumptions: I assume that unknown terrain (?) is passable.

Map with Path:

```
S  *  *  *  *  #  *  G
#  #  .  #  *  *  *  .
.  .  .  .  #  .  ?  .
.  #  ?  .  ?  .  #  #
.  .  #  .  .  .  ?  .
```

coords: (0,1)->(0,2)->(0,3)->(0,4)->(1,4)->(1,5)->(1,6)->(0,6)->(0,7)

(c)

Assumptions: I assume that unknown terrain (?) is passable.

Map with Path:

```
S  *  *  *  *  #  .  G
#  #  .  #  *  *  *  *
.  .  .  .  #  .  ?  .
.  #  ?  .  ?  .  #  #
.  .  #  .  .  .  ?  .
```

coords: (0,1)->(0,2)->(0,3)->(0,4)->(1,4)->(1,5)->(1,6)->(1,7)->(0,7)

(d)

Assumptions: I assume that unknown terrain (?) is not passable.

Map with Path:

```
S  .  .  ?  .  #  .  G
#  #  .  #  .  ?  .  .
.  .  .  .  #  .  ?  .
.  #  ?  .  ?  .  #  #
.  .  #  .  .  .  ?  .
```

coords: none(nosafepathfromStoGunderthisassumption)