

```
luisestevez@Luiss-MacBook-Air Dotsville % pwd
/Users/luisestevez/Desktop/CSC366/Assignments/Dotsville
luisestevez@Luiss-MacBook-Air Dotsville % swipl
Welcome to SWI-Prolog (threaded, 64 bits, version 8.3.6)
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```

For online help and background, visit <https://www.swi-prolog.org>
For built-in help, use ?- help(Topic). or ?- apropos(Word).

```
?- consult('dotsville.pro').
true.
```

```
?- demo1.
```

```
- - - - -
```

```
:- dynamic dot/2.
```

```
dot(cell(0, 1), color(table)).
dot(cell(0, 2), color(table)).
dot(cell(0, 3), color(table)).
dot(cell(0, 4), color(table)).
dot(cell(0, 5), color(table)).
dot(cell(0, 6), color(table)).
```

```
true .
```

```
?- demo2.
```

```
R B Y G P O
```

```
- - - - -
```

```
:- dynamic dot/2.
```

```
dot(cell(0, 1), color(table)).
dot(cell(0, 2), color(table)).
dot(cell(0, 3), color(table)).
dot(cell(0, 4), color(table)).
dot(cell(0, 5), color(table)).
dot(cell(0, 6), color(table)).
dot(cell(1, 1), color(red)).
dot(cell(1, 2), color(blue)).
dot(cell(1, 3), color(yellow)).
dot(cell(1, 4), color(green)).
dot(cell(1, 5), color(purple)).
dot(cell(1, 6), color(orange)).
```

true .

?- demo3.

R B Y G P O

- - - - -

:- dynamic dot/2.

```
dot(cell(0, 1), color(table)).
dot(cell(0, 2), color(table)).
dot(cell(0, 3), color(table)).
dot(cell(0, 4), color(table)).
dot(cell(0, 5), color(table)).
dot(cell(0, 6), color(table)).
dot(cell(1, 1), color(red)).
dot(cell(1, 2), color(blue)).
dot(cell(1, 3), color(yellow)).
dot(cell(1, 4), color(green)).
dot(cell(1, 5), color(purple)).
dot(cell(1, 6), color(orange)).
```

- - - - -

:- dynamic dot/2.

```
dot(cell(0, 1), color(table)).
dot(cell(0, 2), color(table)).
dot(cell(0, 3), color(table)).
dot(cell(0, 4), color(table)).
dot(cell(0, 5), color(table)).
dot(cell(0, 6), color(table)).
```

true .

?- demo4.

Cannot add dot: cell is already filled.

R B

- - - - -

true .

?- demo5.

```
### Cannot add dot: dots cannot float.  
### Cannot add dot: dots cannot float.  
### Cannot add dot: dots cannot float.
```

```
R B      0  
- - - - -  
true .
```

```
?- halt.  
luisestevez@Luiss-MacBook-Air Dotsville %
```