

### Code:

`vertical(seg(point(X,_),point(X,_))).`

`horizontal(seg(point(_,Y),point(_,Y))).`

`oblique(seg(point(X1,Y1),point(X2,Y2))) :- X1 \== X2, Y1 \== Y2.`

### Output:

```
GNU Prolog console
File Edit Terminal Prolog Help
GNU Prolog 1.5.0 (64 bits)
Compiled Jul  8 2021, 12:22:53 with gcc
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compiling C:/Users/computer1/Documents/Aaryan/seg_line.pl for byte code...
C:/Users/computer1/Documents/Aaryan/seg_line.pl compiled, 2 lines read - 1296 bytes written, 5 ms
| ?- vertical(seg(point(10,20), point(10,30))).

yes
| ?- vertical(seg(point(10,20), point(15,30))).

no
| ?- oblique(seg(point(10,20), point(15,30))).

yes
| ?- oblique(seg(point(10,20), point(15,20))).

no
| ?- horizontal(seg(point(10,20), point(15,20))).

yes
| ?- |
```