

combosets.pro demo

Welcome to SWI-Prolog (Multi-threaded, 64 bits, Version 7.2.2)
Copyright (c) 1990-2015 University of Amsterdam, VU Amsterdam
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software,
and you are welcome to redistribute it under certain conditions.
Please visit <http://www.swi-prolog.org> for details.

For help, use ?- help(Topic). or ?- apropos(Word).

```
?- consult('combosets.pro').
```

true.

```
?- combos(set(0,1,2),X,Y),write(X),write(Y),nl,fail.
```

```
combo(0,1)extras(2)
```

```
combo(1,2)extras(0)
```

```
combo(0,2)extras(1)
```

false.

```
?- combos(set(1,3,5,7),X,Y),write(X),write(Y),nl,fail.
```

```
combo(1,3)extras(5,7)
```

```
combo(1,5)extras(3,7)
```

```
combo(1,7)extras(3,5)
```

```
combo(3,5)extras(1,7)
```

```
combo(3,7)extras(1,5)
```

```
combo(5,7)extras(1,3)
```

false.

```
?- combos(set(2,4,6,8,10),X,Y),write(X),write(Y),nl,fail.
```

```
combo(2,4)extras(6,8,10)
```

```
combo(2,6)extras(4,8,10)
```

```
combo(2,8)extras(4,6,10)
```

```
combo(2,10)extras(4,6,8)
```

```
combo(4,6)extras(2,8,10)
```

```
combo(4,8)extras(2,6,10)
```

```
combo(4,10)extras(2,6,8)
```

```
combo(6,8)extras(2,4,10)
```

```
combo(6,10)extras(2,4,8)
```

```
combo(8,10)extras(2,4,6)
```

false.

```
?- perm(s(1,0),X),write(X),nl,fail.
```

```
p(1,0)
```

```
p(0,1)
```

false.