

CoCoA-5 - Design #1728

Refine Poset impl & doc

20 Mar 2023 11:15 - John Abbott

Status:	In Progress	Start date:	20 Mar 2023
Priority:	Normal	Due date:	
Assignee:		% Done:	10%
Category:	enhancing/improving	Estimated time:	0.00 hour
Target version:	CoCoA-5.4.4	Spent time:	0.25 hour
Description Review the Poset implementation in light of experience at COCOA 2023. Refine the manual entries. Consider porting to C++; would need a poset type in CoCoA-5.			

History

#1 - 21 Mar 2023 03:33 - Anna Maria Bigatti

- Status changed from New to In Progress

- % Done changed from 0 to 10

We have used (probably I had pushed this choice)

```
P1 := [ [], // < 1
      [ 1 ], // < 2
      [ 1, 2 ], // < 3
      [ 1, 2 ], // < 4
      [ 1, 2, 3, 4 ] // < 5
    ];
```

Now I'm wondering, for flexibility on the labels names, we should have something like

```
P1 := [ record(X=1, LessThanX = []),
      record(X=2, LessThanX = [1]),
      record(X=3, LessThanX = [1, 2]),
      record(X=4, LessThanX = [1, 2]),
      record(X=5, LessThanX = [1, 2, 3, 4])
    ];
```

what do you think? so labels could be strings, indets, or simply numbers, whatever numbers