

PFLOCK Report

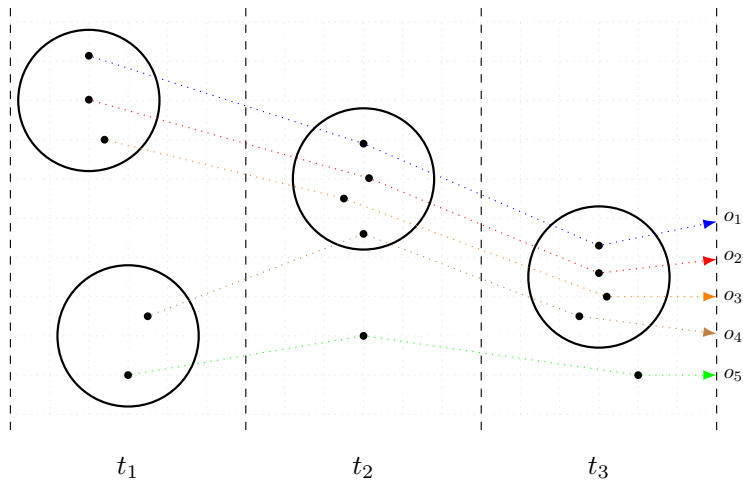
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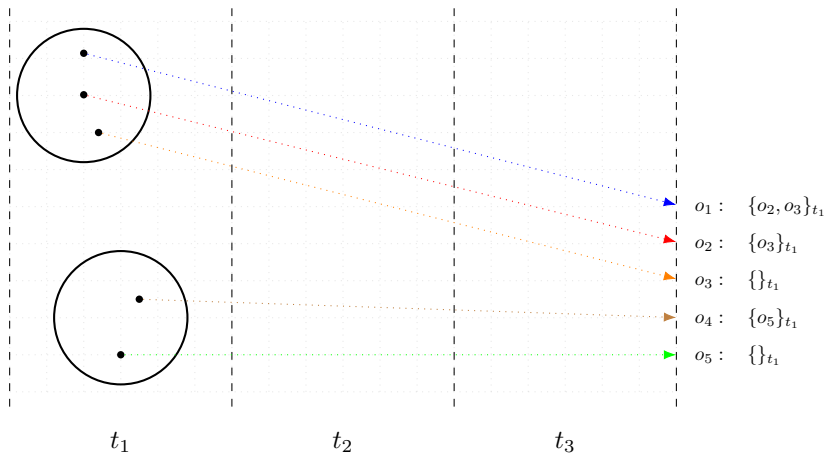
Pattern enumerator

Example 1



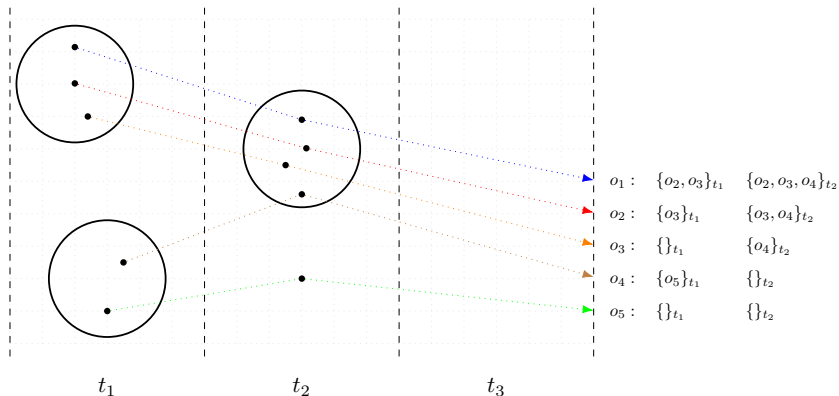
Pattern enumerator

Example 1



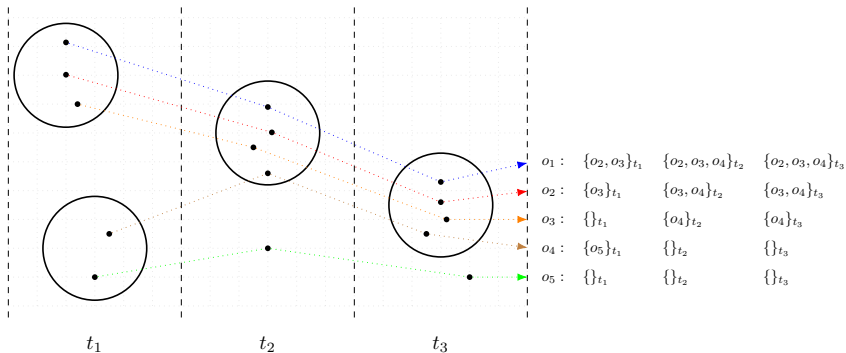
Pattern enumerator

Example 1



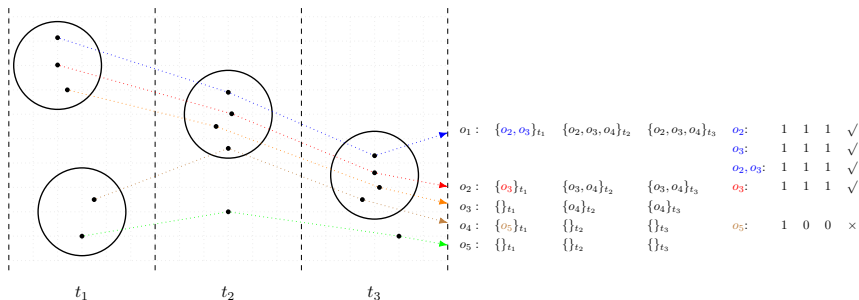
Pattern enumerator

Example 1



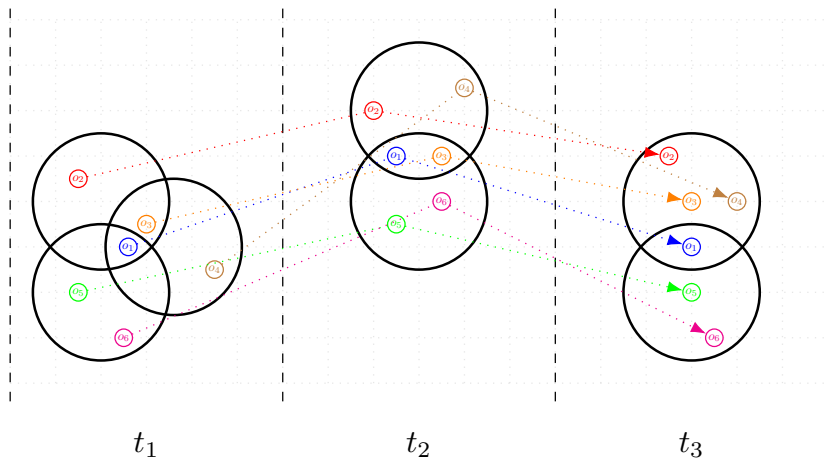
Pattern enumerator

Example 1: Redundant flocks



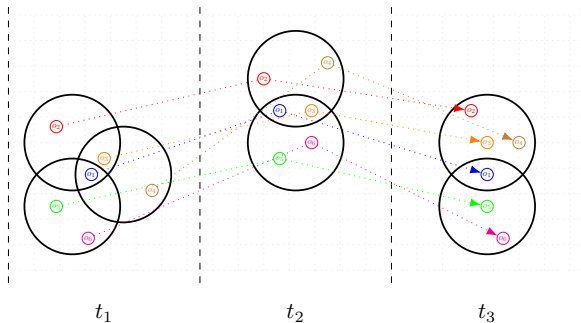
Pattern enumerator

Example 2



Pattern enumerator

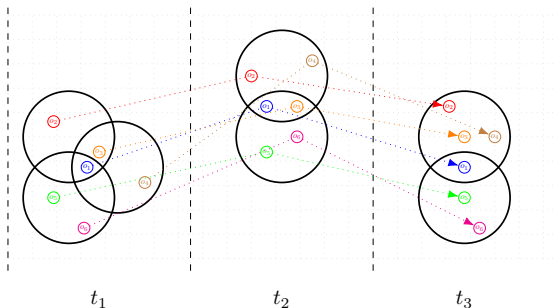
Example 2: Overlapping



$o_1 :$	$\{o_2, o_3\}_{t_1}$	$\{o_2, o_3, o_4\}_{t_2}$	$\{o_2, o_3, o_4\}_{t_3}$
	$\{o_3, o_4\}_{t_1}$	$\{o_3, o_5, o_6\}_{t_2}$	$\{o_5, o_6\}_{t_3}$
	$\{o_5, o_6\}_{t_1}$		
$o_2 :$	$\{o_3\}_{t_1}$	$\{o_3, o_4\}_{t_2}$	$\{o_3, o_4\}_{t_3}$
$o_3 :$	$\{\}_{t_1}$	$\{o_4\}_{t_2}$	$\{o_4\}_{t_3}$
	$\{o_4\}_{t_1}$	$\{o_5, o_6\}_{t_2}$	
o_4	$\{\}_{t_1}$	$\{\}_{t_2}$	$\{\}_{t_3}$
o_5	$\{o_6\}_{t_1}$	$\{o_6\}_{t_2}$	$\{o_6\}_{t_3}$
o_6	$\{\}_{t_1}$	$\{\}_{t_2}$	$\{\}_{t_3}$

Pattern enumerator

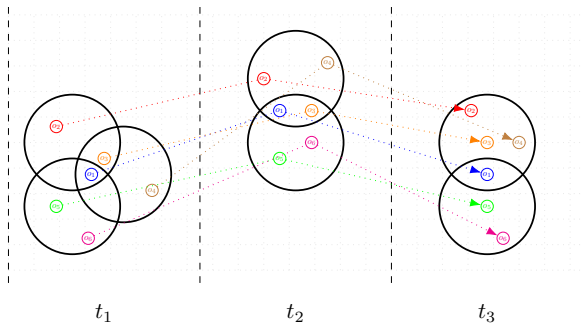
Combinations



$o_1 :$	$\{o_2, o_3\}_{t_1}$	$\{o_2, o_3, o_4\}_{t_2}$	$\{o_2, o_3, o_4\}_{t_3}$
	$\{o_3, o_4\}_{t_1} \times$	$\{o_3, o_5, o_6\}_{t_2} \times$	$\{o_5, o_6\}_{t_3}$
	$\{o_5, o_6\}_{t_1}$		
$o_2 :$	$\{o_3\}_{t_1}$	$\{o_3, o_4\}_{t_2}$	$\{o_3, o_4\}_{t_3}$
$o_3 :$	$\{\}_{t_1}$	$\{o_4\}_{t_2}$	$\{o_4\}_{t_3}$
	$\{o_4\}_{t_1} \times$	$\{o_5, o_6\}_{t_2} \times$	
$o_4 :$	$\{\}_{t_1}$	$\{\}_{t_2}$	$\{\}_{t_3}$
$o_5 :$	$\{o_6\}_{t_1}$	$\{o_6\}_{t_2}$	$\{o_6\}_{t_3}$
$o_6 :$	$\{\}_{t_1}$	$\{\}_{t_2}$	$\{\}_{t_3}$

Pattern enumerator

Maximal patterns



o_1 :	$\{o_2, o_3\}_{t_1}$	$\{o_2, o_3, o_4\}_{t_2}$	$\{o_2, o_3, o_4\}_{t_3}$
	$\{o_3, o_4\}_{t_1}$	$\{o_3, o_5, o_6\}_{t_2}$	$\{o_5, o_6\}_{t_3}$
	$\{o_5, o_6\}_{t_1}$		
o_2 :	$\{o_3\}_{t_1}$	$\{o_3, o_4\}_{t_2}$	$\{o_3, o_4\}_{t_3}$
o_3 :	$\{\}$ _{t1}	$\{o_4\}_{t_2}$	$\{o_4\}_{t_3}$
	$\{o_4\}_{t_1}$	$\{o_5, o_6\}_{t_2}$	
o_4	$\{\}$ _{t1}	$\{\}$ _{t2}	$\{\}$ _{t3}
o_5	$\{o_6\}_{t_1}$	$\{o_6\}_{t_2}$	$\{o_6\}_{t_3}$
o_6	$\{\}$ _{t1}	$\{\}$ _{t2}	$\{\}$ _{t3}

Partition	Maximal Pattern	Support (μ)
o_1	$\{o_2, o_3\}$	3
	$\{o_3, o_4\}$	3
	$\{o_5, o_6\}$	3
o_2	$\{o_3\}$	3
o_5	$\{o_6\}$	3

What is next?

- ▶ Explore volumes.
- ▶ Extent pattern enumeration with one of the alternatives.
- ▶ Perform tests.