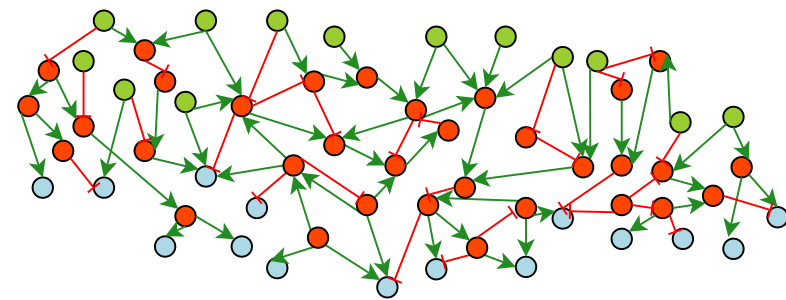


## PKN reconstruction

ARG2  
BCL3  
CDX1  
EGR1  
GATA3  
NANOG  
...

## Gene list



## PKN construction



PKN

## PKN reduction

# Python

## Pytho

Readout difference maximization

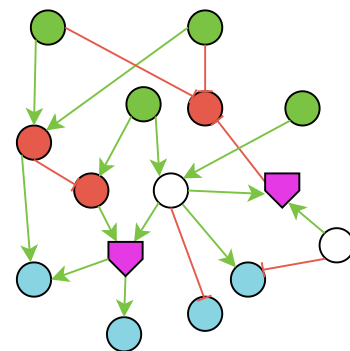
Reduced  
PKN

Experiment design

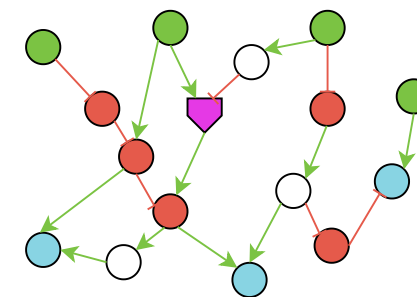
BNs inference

Diagram illustrating the Caspo tool, represented by a blue diamond shape with the text "Caspo tool" inside.

## Families of Boolean Networks



### BNs for Class A



### BNs for Classe B

## Experimental design construction

Gene expression data

Cell	5S RNA	7SK	A1BG	...	ZZZ3
E3.1.443					
E3.1.444					
E3.1.445					
E3.1.447					
E3.1.448					
...					
E3.53.34					

ASP

Pseudo-perturbation  
generation

Pseudo-perturbations

Cell	Class	Inputs	Intermediates
E5.3.55	A		
...	A		
E7.9.573	A		
E6.8.771	B		
...	B		
E7.9.568	B		

Class A

Class B

Cell	Class	Inputs	Intermediates	Readouts
E5.3.55	A			
...	A			
E7.9.573	A			
E6.8.771	B			
...	B			
E7.9.568	B			

Class A
---------

Class B

## BNs inference