

Frame 1

Detection 1:  
xpos, ypos, radius, id1

Detection 2:  
xpos, ypos, radius, id2

⋮

Detection n

Frame 2

⋮

Frame m

Time series of bees

	Frame 1	Frame 2	Frame 3	⋮	Frame m
id 1	0	0	1	...	1
id 2	1	1	1	...	0
id 3	1	0	1	...	1
...					
id x					

Time series of bee pairs

	Frame 1	Frame 2	Frame 3	⋮	Frame m
(id 1, id 2)	0	0	1	...	0
(id 2, id 3)	1	0	1	...	0
...					
...					
(id x, id y)					