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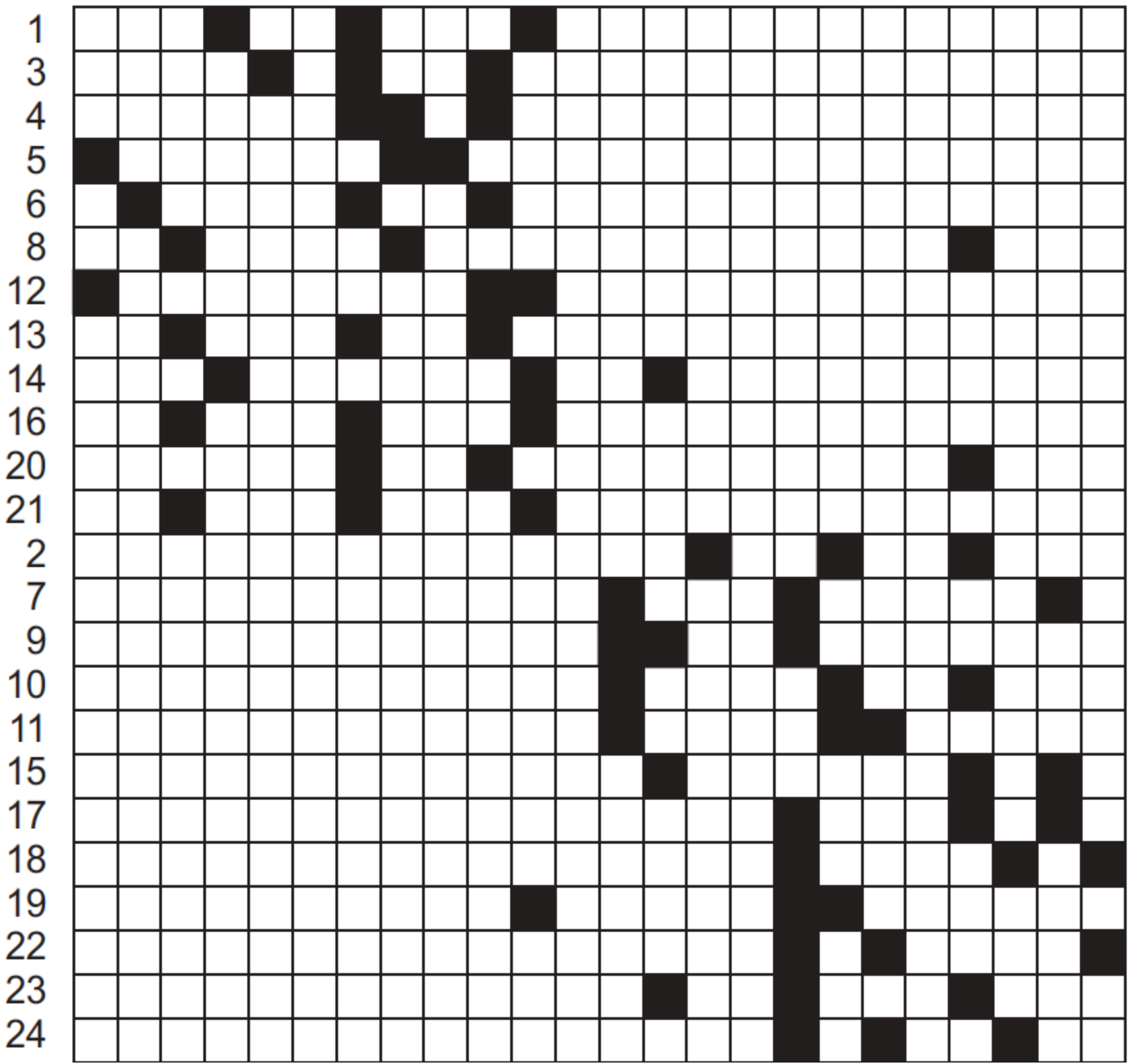


Radboud University Nijmegen

Behavioural Science Institute

15

Sociale networks

https://www.distributed-systems.net/index.php/books/gtcn/

Clusters (communities, subgraphs, modules)

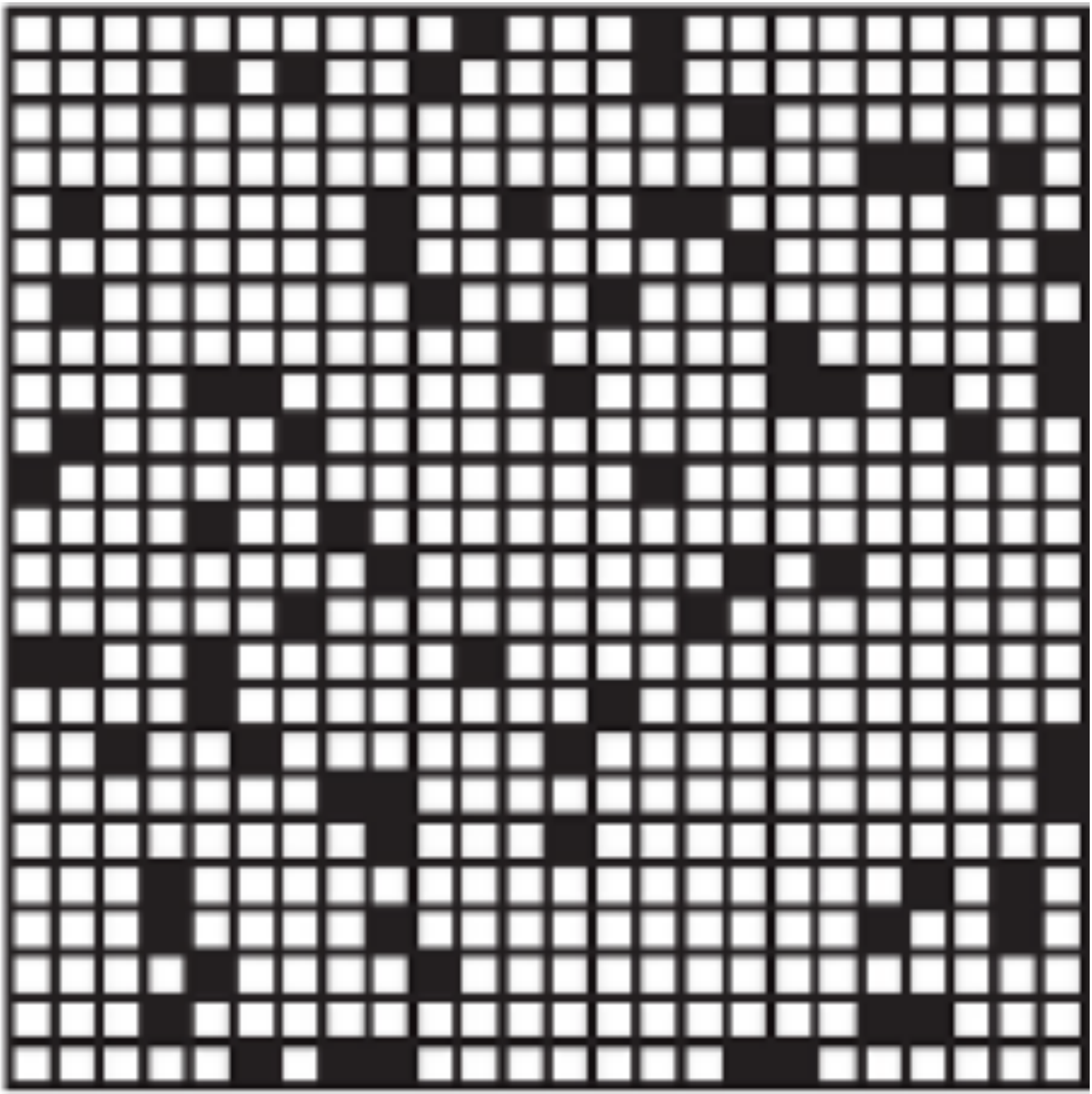
“hubs”

Meisjes

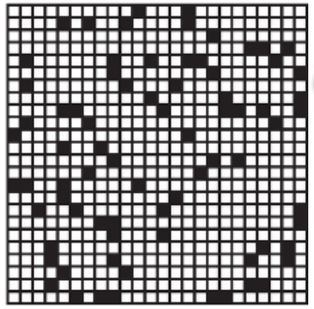
Jongens

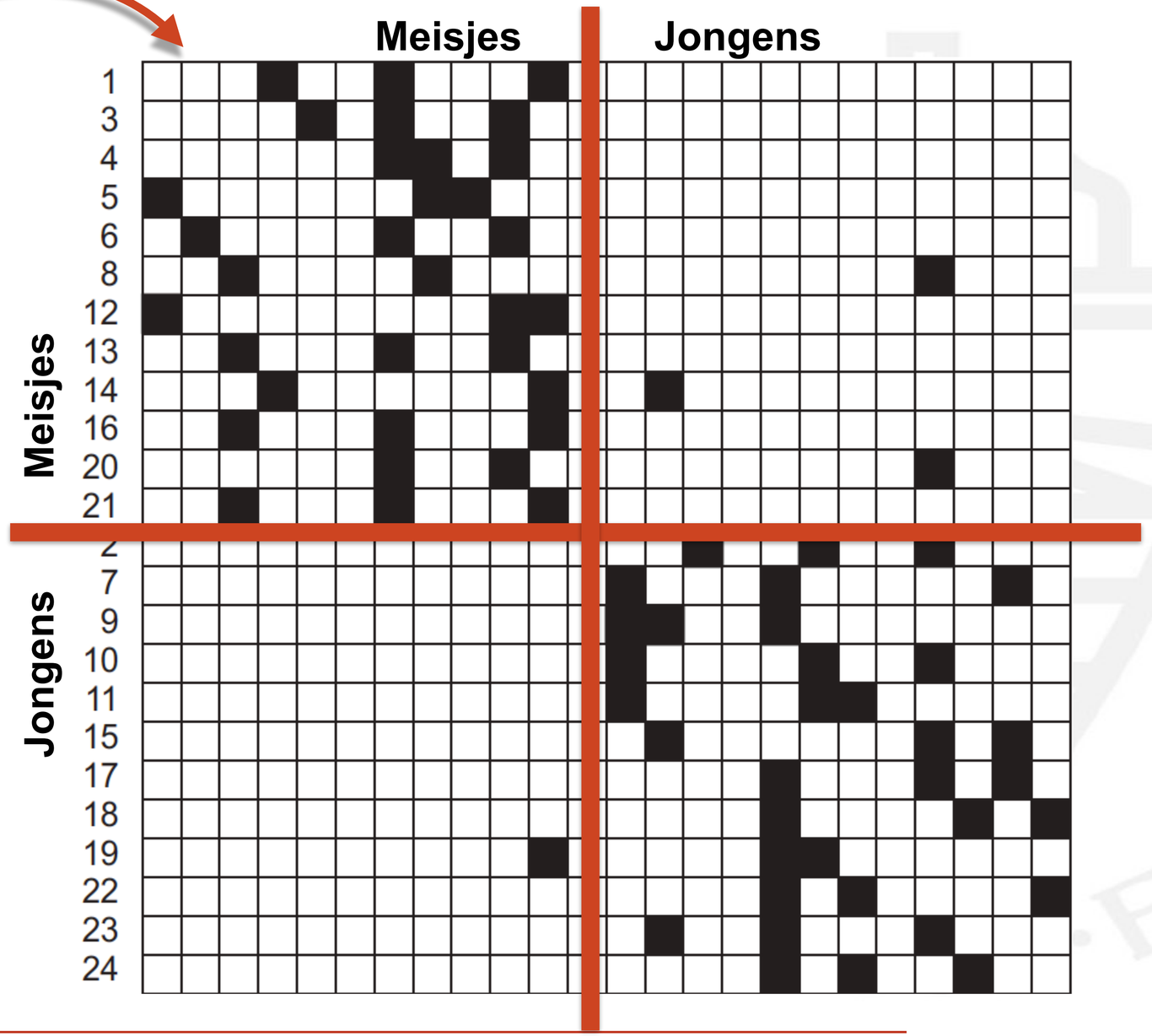
Jongens

Meisjes



Sociale networks





Clusters (communities, subgraphs, modules)

“hubs”

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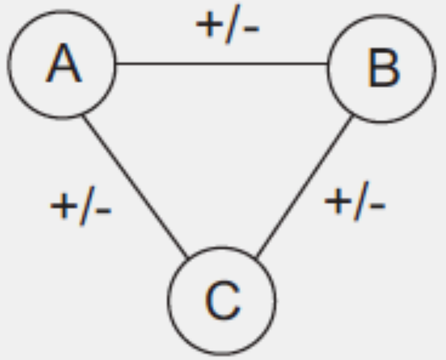
Structural balance

https://www.distributed-systems.net/index.php/books/gtcn/

Basic idea

Consider **triads**: potential relationships between triples of social entities, and label every relationship as positive or negative. We then consider **balanced** triads.



A–B	B–C	A–C	B/I	Description
+	+	+	**B**	Everyone likes each other
+	+	−	**I**	Dislike A–C stresses relation B has with either of them
+	−	+	**I**	Dislike B–C stresses relation A has with either of them
+	−	−	**B**	A and B like each other, and both dislike C
−	+	+	**I**	Dislike A–B stresses relation C has with either of them
−	+	−	**B**	B and C like each other, and both dislike A
−	−	+	**B**	A and C like each other, and both dislike B
−	−	−	**I**	Nobody likes each other