

Exercise 2 (drawing line diagrams)

Given the formal context in Table 2, draw an additive line diagram of its concept lattice using the mapping

$$vec : \left\{ \begin{array}{l} \text{older} \mapsto (-5, -2) \\ \text{middle} \mapsto (3, -2) \\ \text{younger} \mapsto (-1, -2) \\ \text{male} \mapsto (1, -2) \\ \text{female} \mapsto (-1, -2) \\ \text{rich} \mapsto (1, -2) \\ \text{carefree} \mapsto (-1, -2) \\ \text{indebted} \mapsto (1, -2) \end{array} \right.$$

You may adjust the position the lattice's bottom element.

Tabelle 2: Grobian Gans: *Die Ducks. Psychogramm einer Sippe*. Rowohlt, Reinbek bei Hamburg 1972, ISBN 3-499-11481-X

	generation			sex		financial status		
	older	middle	younger	male	female	rich	carefree	indebted
Tick			×	×			×	
Trick			×	×			×	
Track			×	×			×	
Donald		×		×				×
Daisy		×			×		×	
Gustav		×		×			×	
Dagobert	×			×		×		
Annette	×				×		×	
Primus v. Quack	×			×			×	