

This is a vector $\{(5, 1), (6, 2), (7, 2), (8, 1), (8, 1), (8, 1), (8, 1)\}$

This is a map $\{(1 \rightarrow 2), (2 \rightarrow 3), (3 \rightarrow 4), (4 \rightarrow 5), (5 \rightarrow 6)\}$