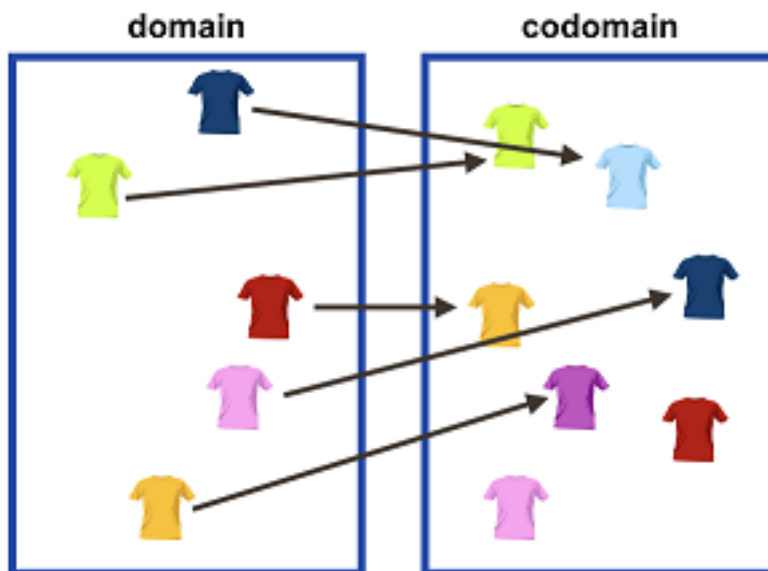


**Definition 1.** The relation *robin* is defined via the map below.



The domain, codomain, and pairs are all shown.

**Exercise 1** How many items are in the domain of robin?

**Exercise 2** How many items are in the codomain of robin?

**Exercise 3** Is every domain member paired with exactly one codomain member?

**Multiple Choice:**

- (a) Yes ✓
- (b) No

**Exercise 4** Is every codomain member paired with exactly one domain member?

**Multiple Choice:**

- (a) Yes

(b) No ✓

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**Exercise 5** *Is the robin relation a function?*

**Multiple Choice:**

(a) Yes ✓

(b) No

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