



Bird Watcher Advanced

You're an avid bird watcher that keeps track of how many birds have visited your garden in the last seven days.

Solve the following tasks using high-order functions.

1. Check what the counts were last week

For comparison purposes, you always keep a copy of last week's counts nearby, which were: 0, 2, 5, 3, 7, 8 and 4. Create a *vector* containing last week's counts.

2. Calculate the number of visiting birds for the first number of days

Implement the *n-days-count* function that returns the number of birds that have visited your garden from the start of the week but limit the count to the specified number of days from the start of the week.

3. Calculate the average number of visiting birds for days of visiting only

Implement the *average-count* function that returns the average number of birds that have visited your garden. Skip days without birds.