Part A

two-dimensional array called donations that is size D * L

```
TotalDifferentDonations(D, L)
      if D is zero
            then return one

      else if donations[D, L] exists
            return donations[D, L]

      different is 0
      j is L

      while j greater than 0
            increment different by TotalDifferentDonations(D, L)
            decrement j

      donations[D,j] is different

      return donation[D, different]
```

This solution should run in O(D * L) because it is only dependent upon traversal of the two-dimensional array `donations`, which is size D * L.