

Section A:

```
def unit_distance_pairs(point_set):  
    """Computes all the unit distance pairs in a given half convex point set."""  
    unit_distance_pairs = []  
    for point1 in point_set:  
        for point2 in point_set:  
            if point1 != point2 and distance(point1, point2) == 1:  
                unit_distance_pairs.append((point1, point2))  
    return unit_distance_pairs
```

```
def distance(point1, point2):  
    """Computes the distance between two points."""  
    x1, y1 = point1  
    x2, y2 = point2  
    return ((x1 - x2)**2 + (y1 - y2)**2)**0.5
```

Section B:

```
def call_me(input):  
    """Calls the API and returns the response."""  
    if len(call_queue) >= 15:  
        # We are over the call limit, so we need to wait.  
        time.sleep(60)  
    call_queue.append(input)  
    response = api_call(input)  
    call_queue.popleft()  
    return response
```