

# Untitled

February 1, 2023

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[13]: import random

def random_request():
    "generates a single random request"
    return sorted(random.sample(range(0,100), 2))

def make_requests(n):
    "generates n random requests"
    # slower version
    #requests = []
    #for i in range(n):
    #    requests.append(random_request())
    #return requests
    # faster version:
    return [random_request() for i in range(n)]

def greedy_solution(requests):
    """
    input is a set of requests, output is the
    greedy solution where best = earliest end
    time
    """
    sorted_requests = sorted(requests, key=lambda x : x[1])

    solution = []
    solution.append(sorted_requests.pop(0))
    # when you call L.pop(i) for a list L, it removes
    # the element at index i and returns it for you

    # TODO: remove conflicts with this chosen meeting
    # and repeat until there are no sorted_requests
    # left
```

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[14]: make_requests(3)
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[14]: [[39, 73], [29, 55], [4, 88]]
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[ ]:
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