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IMPLEMENTATION OF TOY PROBLEM: SELLING MOVIE TICKET PROBLEM

In [3]:

```python
def maxAmount(M, N,seats): q = []
        for i in range(M):
                q.append(seats[i])
        ticketSold = 0
        ans = 0 q.sort(reverse =True)
        while (ticketSold < N and q[0] > 0): ans = ans + q[0]
                temp = q[0] q =
                q[1:]
                q.append(temp - 1)
                q.sort(reverse =True) ticketSold
                += 1
        return ans

if_name == '_main_': seats = []
        rows = int(input("Enter number of rows available : "))
        for i  in  range(0, rows):  empty =
                int(input())
                seats.append(empty)
print(seats) M =
len(seats)
N = int(input("Enter the number of People standing in the queue : ")) print("Maximum Profit
generated = ", maxAmount(N, M,seats))
```

Enter number of rows available :53
4
2
5
1
[3, 4, 2, 5, 1]
Enter the number of People standing in the queue : 4Maximum Profit
generated =   19

In [ ]: