```
def max_weights(N, M, capacities, items):
               results = []
               for capacity in capacities:
                   total_weight = 0
                   for price, weight in items:
                       if price <= capacity:</pre>
                           total_weight += weight
                   results.append(total_weight)
               return results
           # Sample Input
           N, M = 3, 4
           capacities = [10, 20, 30]
           items = [
               (5, 10),
               (15, 20),
               (10, 25),
               (20, 30)
           ]
           # Calculate maximum weights
           result = max_weights(N, M, capacities, items)
           # Print the result
           print(" ".join(map(str, result))) # Output: "35 85 85"
RESULT
         1 / 5 Test Cases Passed | 20 %
```