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[37]: # Maximal set
[38]: \# [x,k] = list(map(int, input().split("")))
      x,k = 6, 3
[39]: # arr = list(map(int, input().split(" ")))
      arr = [1,2,3,4,5,6]
[40]: # lis = []
      # for i in range(k):
      # k,l = list(map(int, input().split(" ")))
           lis.extend([k, l])
      lis = [[3,0],[5,2],[4,1]]
[41]: lis = list(map(sorted, lis))
[42]: mp = {}
      for i in lis:
          if i[0] != i[1]:
              mp[i[0]] = i[1]
[43]: def getList(i):
          res = [i]
          while True:
              try:
                  res.append(mp[i])
                  i = mp[i]
              except KeyError:
                  return res
[44]: getList(1)
[44]: [1, 4]
[45]: def getValues(arr, indices):
          res = []
          for i in indices:
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res.append(arr[i])
return res

[46]: def putValues(arr, indices, put):
    for putIndex, arrIndex in enumerate(indices):
        arr[arrIndex] = put[putIndex]
    return arr

[50]: for i in mp.keys():
    indices = getList(i)
    arr = putValues(arr, indices, sorted(getValues(arr, indices), reverse=True))

[51]: arr

[51]: [4, 5, 6, 1, 2, 3]
```