

```
for _ in range(int(input())):
    n,k=map(int,input().split())
    location=list(map(int,input().split()))
    profit=list(map(int,input().split()))
    dp=[0]*n
    for i in range(n):
        dp[i]=profit[i]
    for i in range(1,n):
        for j in range(i):
            if location[i]-location[j]>k:
                dp[i]=max(dp[i],dp[j]+profit[i])
    print(max(dp))
```