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1.1 Attention 1

1 前言

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1.2 背包問題 [9457ef]

```
#include <bits/stdc++.h>
using namespace std;
// 考慮前 i 個,預算有 j 塊錢的最多 page
int main(){
    int n, bud;
cin >> n >> bud;
     vector
         <vector<int>>> dp(n + 1, vector<int>(bud + 1));
     vector<int> Page(n + 1, 0);
     vector<int> Price(n + 1, 0);
     for(int i = 1; i <= n; i++){</pre>
         cin >> Price[i];
     for(int i = 1; i <= n; i++){</pre>
         cin >> Page[i];
     for (int i = 1; i <= n; i++) {</pre>
         for (int j = 1; j <= bud; j++) {
    if (j >= Price[i]) { // 買得起
        // 不買或買
                   dp[i][j] = max(dp[i - 1][j],
                       dp[i - 1][j - Price[i]] + Page[i]);
              else {
                   dp[i][j] = dp[i - 1][j];
     cout << dp[n][bud] << "\n";
}
```