

b)

[illegible]

Above I have solution to subproblems

Answer is:

M_low:	10	11	60	70
M_none:	0	10	50	60
M_high:	5	50	15	51
Maximum revenue:	70			

And below I have code to obtain the result.

```
int main()
{
    int size=0;

    cout<<endl<<"input as"<<endl;
    cout<<"input size:4"<<endl;
    cout<<"low:10 1 10 10"<<endl;
    cout<<"high:5 50 5 1"<<endl<<endl;

    cout<<"input size:";
    cin>>size;
    int low[size];
    int high[size];
    int none[size]={0};

    cout<<"low:";
    for(int i=0; i<size; i++)
        cin>>low[i];

    cout<<"high:";
    for(int i=0; i<size; i++)
        cin>>high[i];

    part_b(low, high, none, size);

    return 0;
}
```

[illegible]

[illegible]

Answer is:

here l, h, n, stands for low, high, none respectively.

And below I have code to obtain the result.

[illegible]

d)

[illegible]

Above I have solution to subproblems

Answer is:

w: none high low low

which corresponds to

w:	0(none)	50(high)	60(low)	70(low)
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And below I have code to obtain the result.

[illegible]