```
#include <iostream>


using namespace std;


void bestFit(int blockSize[], int m, int processSize[], int n)
{
    int allocation[n];
    for (int i = 0; i < n; i++)
                allocation[i] = -1;

        for (int i = 0; i < n; i++)
        {

                int bestIdx = -1;
                for (int j = 0; j < m; j++)
                {
                        if (blockSize[j] >= processSize[i])
                        {
                                if (bestIdx == -1)
                                        bestIdx = j;
                                else if (blockSize[bestIdx] > blockSize[j])
                                        bestIdx = j;
                        }
                }


                if (bestIdx != -1)
                {
                        allocation[i] = bestIdx;

                        blockSize[bestIdx] -= processSize[i];
                }
        }

        cout << "\nP_No.\tSize\tB_No.\n";
        for (int i = 0; i < n; i++)
        {
                cout << " " << i+1 << "\t\t" << processSize[i] << "\t\t";
                if (allocation[i] != -1)
                        cout << allocation[i] + 1;
                else
                        cout << "Not Allocated";
                cout << endl;
        }
}
```

```
int main()
{
	int blockSize[] = {100, 300, 200, 350, 600};
	int processSize[] = {200, 400, 200, 500};
	int m = sizeof(blockSize) / sizeof(blockSize[0]);
	int n = sizeof(processSize) / sizeof(processSize[0]);

	cout<<" Block Sizes : ";
	for (int i =0; i< m; i++)
		cout<< blockSize[i]<< " ";

	cout<<"\n Process Sizes : ";
	for (int i =0; i< n; i++)
		cout<<processSize[i]<< " ";

	bestFit(blockSize, m, processSize, n);

	return 0 ;
}
```

```
(base) PS C:\Users\jatin\Desktop\J> cd "c:\Users\jatin\Desktop\J\" ; if ($?) { g++ bestfit.cpp -o best
32 -lole32 } ; if ($?) { .\bestfit }
 Block Sizes : 100 300 200 350 600
 Process Sizes : 200 400 200 500
P_No.   Size    B_No.
1       200     3
2       400     5
3       200     5
4       500     Not Allocated
(base) PS C:\Users\jatin\Desktop\J>
```