Knapsack Problem

}

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#include<stdio.h>
int max(int a, int b) { return (a > b)? a : b; }
int knapSack(int W, int wt[], int val[], int n)
if (n == 0 || W == 0)
         return 0;
if (wt[n-1] > W)
         return knapSack(W, wt, val, n-1);
else return max( val[n-1] + knapSack(W-wt[n-1], wt, val, n-1),
                                              knapSack(W, wt, val, n-1)
                                    );
}
int main()
         int val[] = \{60, 100, 120\};
         int wt[] = \{10, 20, 30\};
         int W = 50;
         int n = sizeof(val)/sizeof(val[0]);
         printf("%d", knapSack(W, wt, val, n));
         return 0;
```

