**public** **class** Rodcutting {

**public** **static** **int** maxProfit(**int**[] myval, **int** length) {

**int**[] cost = **new** **int**[length + 1];

cost[0] = 0;

**for** (**int** i = 1; i <= length; i++) {

**int** max = -1;

**for** (**int** j = 0; j < i; j++) {

max = Math.*max*(max, myval[j] + cost[i - (j + 1)]);

cost[i] = max;

}

System.***out***.println("Maximum cost for cutting rod of len "+i+" is : "+cost[i]);

}

**return** cost[length];

}

**public** **static** **void** main(String[] args) {

**int**[] myval = {2, 5, 7, 8, 10, 12, 15, 12};

**int** rodlen = 8;

System.***out***.println("Maximum cost for length is " + rodlen + " : "

+ *maxProfit*(myval, rodlen));

}

}