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CS 477
HW 6
1)
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This problem requires us to work from the last day to the first in order to find the best plan for revenue. We start of by defining the base cases for day 0 we return 0 and day 1 we can pic the most profitable job. For everything else we have to find recursively the best paying jobs. This is done by having 2 calls one to see if construction that takes up 2 days is more profitable or is repairs that only take one day are. Ones we get both values calculated we return the best-case scenario.

```
Int maximum_revenue (r, c, day)

If(day == 0)

return 0;

else if(day == 1)

if(r[day] > c[day])

return r[day];

else

return c[day];

else

r_val = maximum_revenue(r, c, day - 2) + r[day];

c_val = maximum_revenue(r, c, day - 1) + c[day];

if(r_val > c_val)

return r_val;

else
```