

1) (5 pts) DSN (Recursive Coding)

Write a recursive function that returns the product of the digits of its integer input parameter, n . You may assume that n is non-negative. For example, `productDigits(274)` should return 56, since $2 \times 7 \times 4 = 56$.

```
int productDigits(int n) {
```

```
}
```