Problem 4

d)

For $i = 6, 7$, we have 7 starts

Otherwise,

If i = 1, then print n starts
If i = 2, then print 2n starts
If i = 3, then print 3n-1 starts
If i = 4, then print 4n-1 starts
If i = 5, then print 5n-2 starts

Generally, the expected number of starts should be $\frac{2}{7} * 7 + \frac{1}{7} * n + \frac{1}{7} * 2n + \frac{1}{7} * (3n - 1) + \frac{1}{7} * (4n - 1) + \frac{1}{7} * (5n - 2) = \frac{15n+9}{7}$ starts