Example 8: A marketing analysis shows that 63% of the consumers who currently drink Coke will purchase Coke the next time, and 12% of consumers who drink Pepsi will switch to Coke. Find the steady state vector.

$$\frac{(0)-(12)(-37)}{-37}=-12$$

Example 9: A an extensive survey of customers of three major cable companies (A, B and C) found the following:

Company A will keep 71% of its customers, 12% will move to B and the rest will move to C.

Company B will lose 32% of its customer to **A** and 34% to **C**.

Company C will keep 96% of its customers with half of the rest moving to A and half to B.

Find the steady state vector

$$A = B = C \times Y = C \times Y$$