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# ST ASSIGNMENT 3

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**Question 1:**

**Perform Cause Effect testing for the following system:**

**A marketing company wishes to construct a decision table to decide how to treat clients according to three characteristics:**

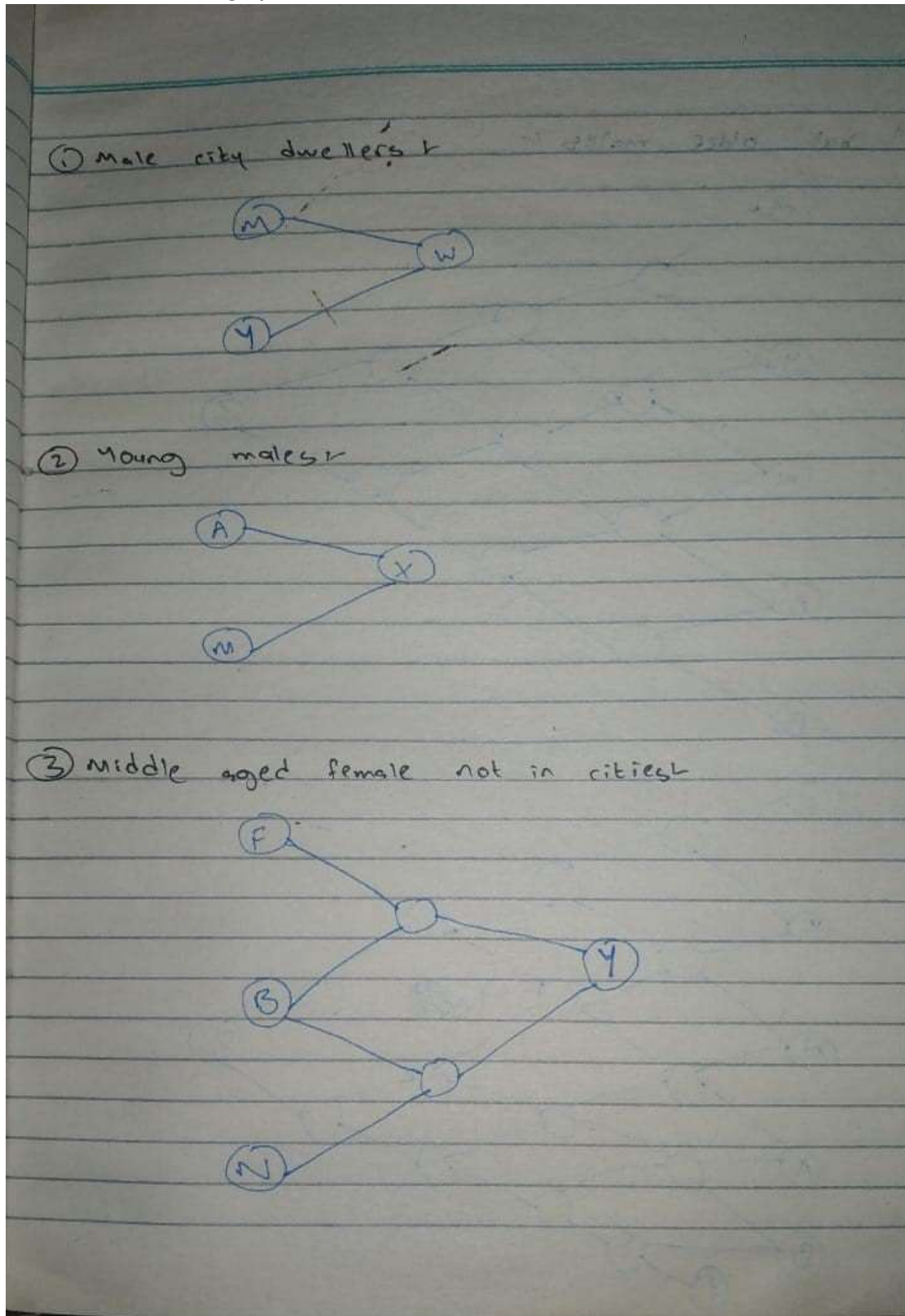
- **Gender (F and M)**
- **City Dweller(Y and N)**
- **Age group: A (under 30), B (between 30 and 60), C (over 60).**

**The company has four products (W, X, Y and Z) to test market.**

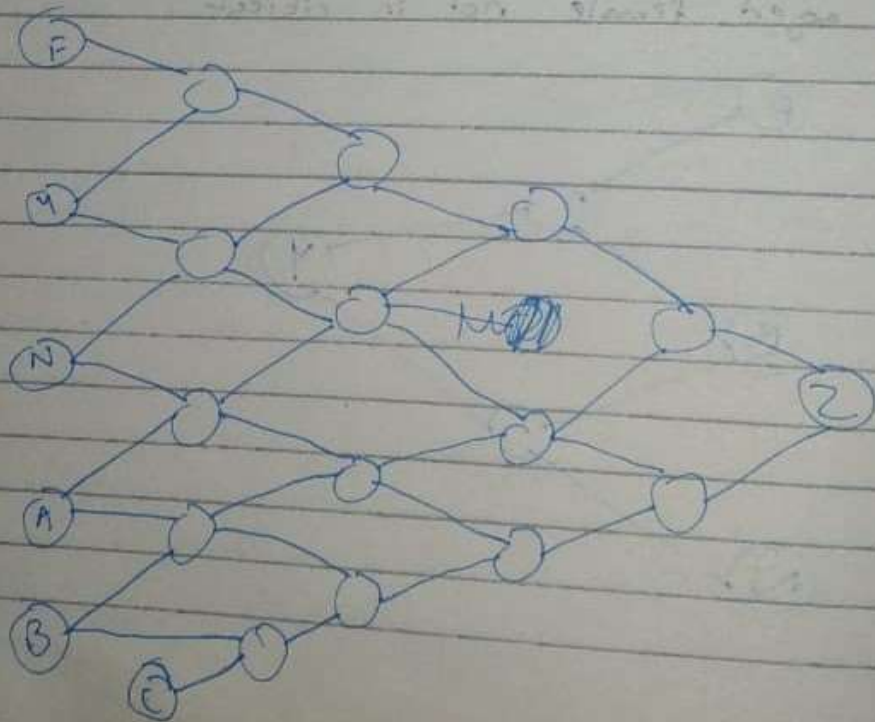
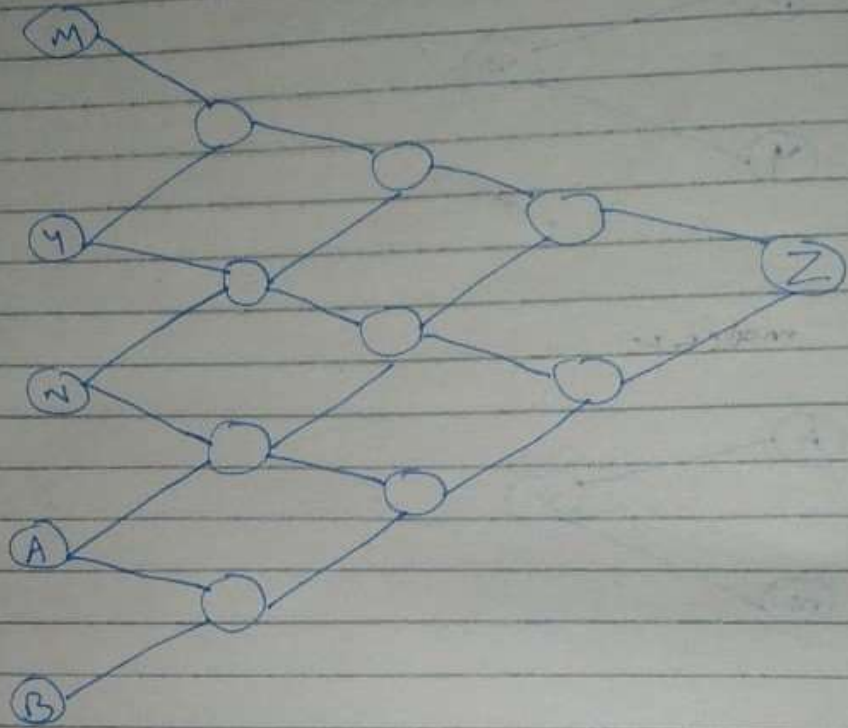
- **Product W will appeal to male city dwellers.**
- **Product X will appeal to young males.**
- **Product Y will appeal to Female middle aged shoppers who do not live in cities.**
- **Product Z will appeal to all but older males**

**Provide the following for the above system:**

a) Draw the cause effect graph.



④ All but older males in



b) Construct Decision table.

	1	2	3	4	5	6	7	8	9	10
<b>Gender</b>	M	F	M	F	M	M	F	M	M	F
<b>City</b>	Y	Y	N	N	Y	N	N	Y	N	N
<b>Age</b>	A		A	A	B	B	B	C	C	C
<b>W</b>	X				X			X		
<b>X</b>	X		X							
<b>Y</b>							X			
<b>Z</b>	X	X	X	X	X	X	X			X

c) Write test cases.

Test	Test Case	Risk	Why this test is powerful	Expected Results
1	Male, 36, City	Program may return wrong product	It is to test the correct product return	W, Z
2	Female, 27, Non-City	Program may set the wrong block	It is to test the correct product return	Z
3	Female, 40, Non-City	Program may set the wrong block	It is to test the correct product return	Y, Z