PROBLEMA 2

//Si es mayor de 25 y va implicito que trabaja y no estudia puede:

**Cobertura de Decisiones**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **A AND B AND C** | **Dominante** | **c.Trabaja** | **c.edad** | **c.VivePadres** |
| **T** | **T** | **T** | **T** | **A,B,C** | **True** | **24** | **False** |
| **T** | **T** | **F** | **F** | **C** | **True** | **26** | **False** |
| **T** | **F** | **T** | **F** | **B** | **True** | **24** | **True** |
| **T** | **F** | **F** | **F** | **B,C** | **True** | **24** | **False** |
| **F** | **T** | **T** | **F** | **A** | **False** | **26** | **True** |
| **F** | **T** | **F** | **F** | **A** | **False** | **26** | **False** |
| **F** | **F** | **T** | **F** | **A,B** | **False** | **26** | **True** |
| **F** | **F** | **F** | **F** | **A,B,C** | **False** | **26** | **True** |

MC/DC

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **A AND B AND C** | **Dominante** | **c.Trabaja** | **c.edad** | **c.VivePadres** |
| **T** | **T** | **T** | **T** | **A,B,C** | **True** | **24** | **False** |
| **T** | **T** | **F** | **F** | **C** | **True** | **26** | **False** |
| **T** | **F** | **T** | **F** | **B** | **True** | **24** | **True** |
| **T** | **F** | **F** | **F** | **B,C** | **True** | **24** | **False** |
| **F** | **T** | **T** | **F** | **A** | **False** | **26** | **True** |
| **F** | **T** | **F** | **F** | **A** | **False** | **26** | **False** |
| **F** | **F** | **T** | **F** | **A,B** | **False** | **26** | **True** |
| **F** | **F** | **F** | **F** | **A,B,C** | **False** | **26** | **True** |

//Si es mayor de 18 pero menor de 25, y va implicito que trabaja, puede:

**Cobertura de decisiones**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **A AND B AND C** | **Dominante** | **c.Trabaja** | **c.edad** | **c.VivePadres** |
| **T** | **T** | **T** | **T** | **A,B,C** | **True** | **19** | **True** |
| **T** | **T** | **F** | **F** | **C** | **True** | **19** | **False** |
| **T** | **F** | **T** | **F** | **B** | **True** | **18** | **True** |
| **T** | **F** | **F** | **F** | **B,C** | **True** | **18** | **False** |
| **F** | **T** | **T** | **F** | **A** | **False** | **19** | **True** |
| **F** | **T** | **F** | **F** | **A** | **False** | **19** | **False** |
| **F** | **F** | **T** | **F** | **A,B** | **False** | **18** | **True** |
| **F** | **F** | **F** | **F** | **A,B,C** | **False** | **18** | **True** |

**MC/DC**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **A AND B AND C** | **Dominante** | **c.Trabaja** | **c.edad** | **c.VivePadres** |
| **T** | **T** | **T** | **T** | **A,B,C** | **True** | **19** | **True** |
| **T** | **T** | **F** | **F** | **C** | **True** | **19** | **False** |
| **T** | **F** | **T** | **F** | **B** | **True** | **18** | **True** |
| **T** | **F** | **F** | **F** | **B,C** | **True** | **18** | **False** |
| **F** | **T** | **T** | **F** | **A** | **False** | **19** | **True** |
| **F** | **T** | **F** | **F** | **A** | **False** | **19** | **False** |
| **F** | **F** | **T** | **F** | **A,B** | **False** | **18** | **True** |
| **F** | **F** | **F** | **F** | **A,B,C** | **False** | **18** | **True** |

**//Menor de 18 años y vive con sus padres**

Para que estas pruebas se puedan ejecutar hay que poner la variable c.Trabaja= False

**Cobertura de Decisiones**

A= c.isEstudia=True B= c.getEdad<18 C= c.vivePadres=True

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | A AND B AND C | Dominante | c.isEstudia | c.getEdad | c.vivePadres |
| **T** | **T** | **T** | **T** | **A,B,C** | **True** | **17** | **True** |
| **T** | **T** | **F** | **F** | **C** | **True** | **19** | **False** |
| T | F | T | F | B |  |  |  |
| T | F | F | F | B,C |  |  |  |
| F | T | T | F | A |  |  |  |
| F | T | F | F | A |  |  |  |
| F | F | T | F | A,B |  |  |  |
| F | F | F | F | A,B,C |  |  |  |

**MC/DC**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | A AND B AND C | Dominante | c.isEstudia | c.getEdad | c.vivePadres |
| **T** | **T** | **T** | **T** | **A,B,C** | **True** | **17** | **True** |
| T | T | F | F | C |  |  |  |
| T | F | T | F | B |  |  |  |
| T | F | F | F | B,C |  |  |  |
| F | T | T | F | A |  |  |  |
| F | T | F | F | A |  |  |  |
| F | F | T | F | A,B |  |  |  |
| **F** | **F** | **F** | **F** | **A,B,C** | **False** | **19** | **False** |

**//Menor de 25 años y no vive con sus padres**

Para que estas pruebas se puedan ejecutar hay que poner la variable c.Trabaja= False

**Cobertura de Decisiones**

A= c.isEstudia=True B= c.getEdad<25 C= c.vivePadres=False

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | A AND B AND C | Dominante | c.isEstudia | c.getEdad | c.vivePadres |
| **T** | **T** | **T** | **T** | **A,B,C** | **True** | **19** | **True** |
| **T** | **T** | **F** | **F** | **C** | **True** | **17** | **False** |
| T | F | T | F | B |  |  |  |
| T | F | F | F | B,C |  |  |  |
| F | T | T | F | A |  |  |  |
| F | T | F | F | A |  |  |  |
| F | F | T | F | A,B |  |  |  |
| F | F | F | F | A,B,C |  |  |  |

**MC/DC**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | A AND B AND C | Dominante | c.isEstudia | c.getEdad | c.vivePadres |
| **T** | **T** | **T** | **T** | **A,B,C** | **True** | **24** | **False** |
| T | T | F | F | C |  |  |  |
| T | F | T | F | B |  |  |  |
| T | F | F | F | B,C |  |  |  |
| F | T | T | F | A |  |  |  |
| F | T | F | F | A |  |  |  |
| F | F | T | F | A,B |  |  |  |
| **F** | **F** | **F** | **F** | **A,B,C** | **False** | **26** | **True** |

**SetEdad**

A: Edad

Es la misma cobertura decisiones y modificada en este caso

|  |  |  |
| --- | --- | --- |
| A | Dominante | c.getEdad |
| **T** | **A** | **25** |
| **F** | **A** | **-1** |