***LOGICA 2018/19 - Test n. 2***

***( Tavole di verità )***

Cognome e Nome \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Matricola \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Corso di Studi \_\_\_\_\_\_\_\_\_\_\_\_\_ indirizzo)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **p** |  |  | **( p** | **v** | **─** | **p)** | **↔** | **─** | **( p** | **ꓥ** | **─** | **p)** |  | **esito** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **V** |  |  | **V** | **V** | **F** | **V** | **V** | **V** | **V** | **F** | **F** | **V** |  | **V** |
| **F** |  |  | **F** | **V** | **V** | **F** | **V** | **V** | **F** | **F** | **V** | **F** |  | **V** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

2)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **p** | **q** |  |  | **( p** | **v** | **q)** | **→** | **─** | **(─** | **p** | **v** | **─** | **q)** |  | **esito** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **V** | **V** |  |  | **V** | **V** | **V** | **V** | **V** | **F** | **V** | **F** | **F** | **V** |  | **V** |
| **V** | **F** |  |  | **V** | **V** | **F** | **F** | **F** | **F** | **V** | **V** | **V** | **F** |  | **F** |
| **F** | **V** |  |  | **F** | **V** | **V** | **F** | **F** | **V** | **F** | **V** | **F** | **V** |  | **F** |
| **F** | **F** |  |  | **F** | **F** | **F** | **V** | **F** | **V** | **F** | **V** | **V** | **F** |  | **V** |

3)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **p** | **q** |  | **─** | **((( p** | **→** | **q)** | **→** | **p)** | **→** | **p)** |  | **esito** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **V** | **V** |  | **F** | **V** | **V** | **V** | **V** | **V** | **V** | **V** |  | **F** |
| **V** | **F** |  | **F** | **V** | **F** | **F** | **V** | **V** | **V** | **V** |  | **F** |
| **F** | **V** |  | **F** | **F** | **V** | **V** | **F** | **F** | **V** | **F** |  | **F** |
| **F** | **F** |  | **F** | **F** | **V** | **F** | **F** | **F** | **V** | **F** |  | **F** |

4)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **p** | **q** | **r** |  | **( p** | **→** | **q)** | **ꓥ** | **─** | **r )** | **ꓦ** | **─** | **q** |  | **esito** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **V** | **V** | **V** |  | **V** | **V** | **V** | **F** | **F** | **V** | **F** | **F** | **V** |  | **F** |
| **V** | **V** | **F** |  | **V** | **V** | **V** | **V** | **V** | **F** | **V** | **F** | **V** |  | **V** |
| **V** | **F** | **V** |  | **V** | **F** | **F** | **F** | **F** | **V** | **V** | **V** | **F** |  | **V** |
| **V** | **F** | **F** |  | **V** | **F** | **F** | **F** | **V** | **F** | **V** | **V** | **F** |  | **V** |
| **F** | **V** | **V** |  | **F** | **V** | **V** | **F** | **F** | **V** | **F** | **F** | **V** |  | **F** |
| **F** | **V** | **F** |  | **F** | **V** | **V** | **V** | **V** | **F** | **V** | **F** | **V** |  | **V** |
| **F** | **F** | **V** |  | **F** | **V** | **F** | **F** | **F** | **V** | **V** | **V** | **F** |  | **V** |
| **F** | **F** | **F** |  | **F** | **V** | **F** | **V** | **V** | **F** | **V** | **V** | **F** |  | **V** |