Alan S. Thomas

CSI 130-01CA

Pg. 3-26: 15, 19ad

09/15/2014

15.) = , && , != , < , + , %, !

19a.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | B | C | A && !B | C || A && !B |
| T | T | T | T && F = F | T || F = T |
| T | T | F | T && F = F | F || F = F |
| T | F | T | T && T = T | T || F = T |
| T | F | F | T && T = T | F || T = T |
| F | T | T | F && F = F | T || F = T |
| F | T | F | F && F = F | F || F = F |
| F | F | T | F && T = F | T || F = T |
| F | F | F | F && F = F | F || F = F |

19d.)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A | B | C | B && !A | C || B&&!A | B || C | C&&!(B&&!A||C||B) |
| T | T | T | F && T = F | T || F = T | T || T = T | T && F = F |
| T | T | F | F && T = F | F || F = F | T || F = T | F && F = F |
| T | F | T | F && F = F | T || F = T | F || T = T | T && F = F |
| T | F | F | F && F = F | F || F = F | F || F = F | F && F = F |
| F | T | T | T && T = T | T || T = T | T || T = T | T && F = F |
| F | T | F | T && T = T | F || T = T | T || F = T | F && F = F |
| F | F | T | T && F = F | T || F = T | F || T = T | T && F = F |
| F | F | F | T && F = F | F || F = F | F || F = F | F && T = F |