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| a | b | Expression |
| F | F | T |
| F | T | T |
| T | F | F |
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| (A)   |  |  |  | | --- | --- | --- | | P | q | E(p,q,r) | | F | F | F | | F | T | F | | T | F | T | | T | T | T |   (B)   |  |  |  | | --- | --- | --- | | p | q | E(p,q,r) | | F | F | T | | F | T | F | | T | F | T | | T | T | F | | (C)   |  |  |  | | --- | --- | --- | | P | q | E(p,q,r) | | F | F | T | | F | T | T | | T | F | T | | T | T | T |   (D)   |  |  |  | | --- | --- | --- | | P | q | E(p,q,r) | | F | F | F | | F | T | T | | T | F | T | | T | T | T | |