

# Guacarí modal

## Ejemplos lógica modal no normales $S2$

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## Ejemplos $S2$

	Fórmula modal	Guacarí Modal	Salida en $S2$
1	$\Box(\Diamond p \rightarrow \Diamond(p \vee q))$	NECESSARY{IMPLIES{POSSIBLE{P},POSSIBLE{OR{P,Q}}}}	válida
2	$\Diamond\Diamond p$	POSSIBLE{POSSIBLE{P}}	inválida
3	$\Box(\Box(p \rightarrow q) \rightarrow \Box(\Diamond q \rightarrow \Diamond p))$	NECESSARY{IMPLIES{NECESSARY{IMPLIES{P,Q}},NECESSARY{IMPLIES{POSSIBLE{Q},POSSIBLE{P}}}}}	inválida
4	$\Box(\Diamond(p \wedge q) \rightarrow \Diamond p)$	NECESSARY{IMPLIES{POSSIBLE{AND{P,Q}},POSSIBLE{Q}}}	válida
5	$\Box(\Box(p \rightarrow q) \rightarrow \Box(\neg\Diamond p \rightarrow \neg\Diamond q))$	NECESSARY{IMPLIES{NECESSARY{IMPLIES{P,Q}},NECESSARY{IMPLIES{NOT{POSSIBLE{P}},NOT{POSSIBLE{Q}}}}}}	inválida
6	$(\Diamond\Box p \wedge \Box q) \rightarrow \Diamond(p \wedge q)$	IMPLIES{AND{POSSIBLE{NECESSARY{P}},NECESSARY{Q}},POSSIBLE{AND{P,Q}}}	válida
7	$\Diamond\Box p \rightarrow \Box\Diamond p$	IMPLIES{POSSIBLE{NECESSARY{P}},NECESSARY{POSSIBLE{P}}}	inválida
8	$(\Box(p \rightarrow \Diamond\Diamond q) \wedge p) \rightarrow \Diamond q$	IMPLIES{AND{NECESSARY{IMPLIES{P,POSSIBLE{POSSIBLE{Q}}}},P},POSSIBLE{Q}}	inválida
9	$\Box(\Box(p \rightarrow q) \rightarrow \Box(\Box p \rightarrow \Box q))$	NECESSARY{IMPLIES{NECESSARY{IMPLIES{P,Q}},NECESSARY{IMPLIES{NECESSARY{P},NECESSARY{Q}}}}}	inválida
10	$\Box\Diamond\Diamond p$	NECESSARY{POSSIBLE{POSSIBLE{P}}}	inválida
11	$\Diamond p \rightarrow \Box\Diamond p$	IMPLIES{POSSIBLE{P},NECESSARY{POSSIBLE{P}}}	inválida