RCC Relation	Polynomial Encoding
contact (C)	$\Delta(c_1, c_2) \leq (r_1 + r_2)^2$
discrete from (DR)	$\Delta(c_1, c_2) \geq (r_1 + r_2)^2$
disconnects (DC)	$\Delta(c_1, c_2) > (r_1 + r_2)^2$
externally connects (EC)	$\Delta(c_1, c_2) = (r_1 + r_2)^2$
overlaps (O)	$\Delta(c_1, c_2) < (r_1 + r_2)^2$
partially overlaps (PO)	$(r_1 - r_2)^2 < \Delta(c_1, c_2) < (r_1 + r_2)^2$
part of (P)	$\Delta(c_1, c_2) \leq (r_1 - r_2)^2 \wedge (r_1 \leq r_2)$
proper part of (PP)	$\Delta(c_1, c_2) \leq (r_1 - r_2)^2 \wedge (r_1 < r_2)$
tangential proper part (TPP)	$\Delta(c_1, c_2) = (r_1 - r_2)^2 \wedge (r_1 < r_2)$
nontangential proper part (NTPP)	$\Delta(c_1, c_2) < (r_1 - r_2)^2 \wedge (r_1 < r_2)$
equal (EQ)	$x_1 = x_2 \wedge y_1 = y_2 \wedge r_1 = r_2$