

\mathcal{R}_Z	Bound			
	θ_n^{0-}	θ_n^{1-}	θ_n^{0+}	θ_n^{1+}
Male-Male \cup Female-Female	[0.533, 0.721]	[0.189, 0.524]	[0.374, 0.524]	[0.533, 0.775]
Male-Female \cup Female-Male	[0.530, 0.723]	[0.187, 0.527]	[0.371, 0.527]	[0.530, 0.777]
Male-Male	[0.530, 0.731]	[0.182, 0.523]	[0.359, 0.523]	[0.530, 0.778]
Male-Female \cup Female-Male \cup Female-Female	[0.528, 0.733]	[0.179, 0.527]	[0.357, 0.527]	[0.528, 0.781]
Female-Female	[0.529, 0.729]	[0.196, 0.524]	[0.362, 0.524]	[0.529, 0.771]
Male-Male \cup Male-Female \cup Female-Male	[0.527, 0.731]	[0.193, 0.529]	[0.360, 0.529]	[0.527, 0.774]
Male-Male	[0.533, 0.721]	[0.196, 0.523]	[0.374, 0.523]	[0.533, 0.771]
Female-Female	[0.530, 0.723]	[0.192, 0.528]	[0.371, 0.528]	[0.530, 0.775]
Male-Female \cup Female-Male				
Male-Male	[0.536, 0.718]	[0.196, 0.523]	[0.376, 0.523]	[0.536, 0.771]
Female-Female	[0.531, 0.722]	[0.193, 0.528]	[0.372, 0.528]	[0.531, 0.775]
Male-Female				
Female-Male				
Multiple birth	[0.529, 0.733]	0.476		
Single birth	[0.526, 0.734]	[0.460, 0.498]		
Multiple birth	[0.534, 0.718]	0.476		
Single birth \cap (Male-Male \cup Female-Female)	[0.530, 0.721]	[0.460, 0.498]		
Single birth \cap (Male-Female \cup Female-Male)				
Multiple birth	[0.537, 0.716]	0.476		
Single birth \cap Male-Male	[0.532, 0.720]	[0.460, 0.498]		
Single birth \cap Female-Female				
Single birth \cap Male-Female				
Single birth \cap Female-Male				