Computing the union gives us: $\left(\operatorname{Init} \subseteq I_{1} \cup I_{2}\right) \wedge\left(s p\left(I_{1}, r\right) \cup s p\left(I_{2}, r\right) \subseteq I_{1} \cup I_{2}\right) \wedge\left(I_{1} \cup I_{2} \subseteq G o o d\right)$

