Previous integration request	Incoming integration request
$Q_{p} \mbox{ (disease?, doctor?; p_information!) :=} \\ A_{1} \mbox{ (disease?; p!),} \\ A_{3} \mbox{ (doctor?; p!),} \\ A_{2} \mbox{ (p?; p_information!),} \\ \\ \left\{ \\ availability > 97\%, \\ response time < 3s, \\ price per call < 0.2\$, \\ provenance = certified, \\ freshness = no, \\ total \ response time < 10; \\ total \ cost < 5\$ \\ \}$	$Q_{n} \text{ (disease?, doctor?, hospital?; p_information!)} := \\ A_{1} \text{ (disease?; p!),} \\ A_{3} \text{ (doctor?; p!),} \\ A_{4} \text{ (hospital?; p!)} \\ A_{2} \text{ (p?; p_information!),} \\ \{ \\ \textit{less restrict requirement} \\ \textit{less restrict requirement} \\ \textit{less restrict requirement} \\ \text{price per call} < 0.2\$, \\ provenance = certified, \\ freshness = no, \\ total response time < 10s, \\ total cost < 5\$ \\ \}$