Let

$$P(I) = \frac{1}{300}, P(F) = \frac{1}{125},$$

where P(I) is the probability of being an identical twin, and P(F) is the probability of being a fraternal twin. We want to find the probability that Elvis is an identical twin, given that he is some type of twin. We can express this as the conditional probability P(I|I or F), which is the probability that a twin is identical given that they're either a fraternal or identical twin. Using Bayes' rule, we can calculate this probability as follows:

$$P(I|I \text{ or } F) = \frac{P(I)P(I \text{ or } F|I)}{P(I \text{ or } F)}$$

From here, we can use that it is not possible for a twin to be both fraternal and identical by definition. In other words, the probability of being a fraternal and identical twin is disjoint, and therefore,

$$P(I \text{ or } F) = P(I) + P(F).$$

Furthermore, the probability P(I or F|I) that a person is a fraternal or identical twin given that they're an identical twin is exactly one. Using both of these, we obtain the following:

$$P(I|I \text{ or } F) = \frac{P(I)}{P(I) + P(F)}$$

By substituting in the values for P(I) and P(F), we obtain that the probability Elvis is an identical twin is $\frac{5}{17}$.