$$
\begin{aligned}
P(A,\neg B,C|\neg D,\neg E) &= \frac{P(A,\neg B,C,\neg D,\neg E)}{P(\neg D,\neg E)} = \frac{P(\neg E|\neg D)\cdot P(\neg D|C)\cdot P(C|A,\neg B)\cdot P(A)\cdot P(\neg B)}{P(\neg E|\neg D)\cdot P(\neg D)} \\
&= \frac{P(\neg E|\neg D)\cdot P(\neg D|C)\cdot P(C|A,\neg B)\cdot P(A)\cdot P(\neg B)}{P(\neg E|\neg D)\cdot [P(\neg D|C)\cdot P(C) + P(\neg D|\neg C)\cdot P(\neg C)]}
\end{aligned}
$$

$$
\begin{aligned}
P(C) &= P(C|A,B)\cdot P(A)\cdot P(B) + P(C|\neg A,B)\cdot P(\neg A)\cdot P(B) + P(C|A,\neg B)\cdot P(A)\cdot P(\neg B) + P(C|\neg A,\neg B)\cdot P(\neg A)\cdot P(\neg B) \\
&= P(C|A,B)\cdot P(A)\cdot P(B) + P(C|\neg A,B)\cdot [1-P(A)]\cdot P(B) + P(C|A,\neg B)\cdot P(A)\cdot [1-P(B)] + P(C|\neg A,\neg B) \\
&\cdot [1-P(A)]\cdot [1-P(B)] = 0{,}9\cdot 0{,}8\cdot 0{,}3 + 0{,}4\cdot 0{,}2\cdot 0{,}3 + 0{,}7\cdot 0{,}8\cdot 0{,}7 + 0{,}2\cdot 0{,}2\cdot 0{,}7 = 0{,}66
\end{aligned}
$$

ciąg dalszy:

$$
\begin{aligned}
P(A,\neg B,C|\neg D,\neg E) &= \frac{\cancel{P(\neg E|\neg D)}\cdot P(\neg D|C)\cdot P(C|A,\neg B)\cdot P(A)\cdot P(\neg B)}{\cancel{P(\neg E|\neg D)}\cdot [P(\neg D|C)\cdot P(C) + P(\neg D|\neg C)\cdot P(\neg C)]} = \frac{[1-P(D|C)]\cdot P(C|A,\neg B)\cdot P(A)\cdot [1-P(B)]}{[1-P(D|C)]\cdot P(C) + [1-P(D|\neg C)]\cdot [1-P(C)]} \\
&= \frac{0{,}8\cdot 0{,}7\cdot 0{,}8\cdot 0{,}7}{0{,}8\cdot 0{,}66 + 0{,}3\cdot 0{,}34} = \frac{0{,}3136}{0{,}63} \approx 0{,}498
\end{aligned}
$$